1 Addendum II

1.1 TPX-Tabellen: Duale Koexpression

Im folgenden finden sich in tabellarischer Zusammenfassung die Ergebnisse der dualen Epitop-Koexpression für die Kompartimente

- Gesamthaut
- Epidermis
- Kapillaren
- extrakapilläre Dermis
- basale Epidermis
- Th17-Zellen

und für

- das Gesamtkollektiv (n=6)
- die Etanercept-Therapie-Responder (n=4)
- die Etanerecept-Therapie-Non-Responder (n=2)

Aufgeführt sind Mittelwert ± Standardabweichung. Beim Vergleich der Bedingungen sind die im Bezug auf APS signifikant unterschiedlichen Ergebnisse grün unterlegt. Dabei ist zu betonen, dass es sich um eine rein deskriptive statistische Analyse mittels gepaartem t-Test auf einem Signifikanzniveau von $p < 0,05$ mit einer Bonferroni-Adjustierung für 4-maligen Vergleich handelt ($\alpha < 0,0125$).

1.1.1 Duale Koexpression der Gesamthaut für alle Patienten

Tabelle 1: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	259 ± 229	24 ± 27	758 ± 1329	122 ± 298	45 ± 50
Aktin + CCR6	276 ± 341	214 ± 375	83 ± 108	38 ± 46	54 ± 80
Aktin + CD11a	500 ± 351	97 ± 102	154 ± 187	108 ± 117	133 ± 246
Aktin + CD11b	283 ± 203	231 ± 446	99 ± 139	533 ± 614	467 ± 787
Aktin + CD120a	4 ± 5	1 ± 2	2 ± 3	2 ± 5	2 ± 3
Aktin + CD120b	67 ± 53	41 ± 41	13 ± 13	101 ± 194	11 ± 11
Aktin + CD138	158 ± 249	1029 ± 2383	77 ± 100	10 ± 15	60 ± 128
Aktin + CD15	115 ± 149	70 ± 108	22 ± 28	76 ± 93	39 ± 51
Aktin + CD1a	3 ± 6	37 ± 92	0 ± 0	0 ± 0	3 ± 7
Aktin + CD2	922 ± 728	96 ± 164	99 ± 127	811 ± 1123	137 ± 143
Aktin + CD207	16 ± 30	24 ± 59	1 ± 1	2 ± 3	1 ± 2
Aktin + CD24	57 ± 66	33 ± 22	43 ± 54	33 ± 26	17 ± 24
Aktin + CD28	893 ± 696	37 ± 57	124 ± 173	381 ± 501	166 ± 318
Aktin + CD29	9133 ± 3063	3268 ± 1226	6653 ± 4302	5721 ± 3127	5629 ± 3615
Aktin + CD3	987 ± 706	590 ± 431	316 ± 342	1222 ± 1269	400 ± 424
Aktin + CD31	5639 ± 2373	2005 ± 1232	4548 ± 2997	5244 ± 3769	3719 ± 2332
Aktin + CD4	2205 ± 1574	600 ± 634	366 ± 385	1968 ± 2352	1573 ± 1545
Aktin + CD44	1731 ± 2193	1520 ± 1225	971 ± 922	1955 ± 1744	1069 ± 638
Aktin + CD45	553 ± 332	59 ± 53	77 ± 91	189 ± 217	31 ± 38
Aktin + CD45RA	340 ± 344	213 ± 174	103 ± 91	122 ± 109	125 ± 128
Aktin + CD45RO	262 ± 378	96 ± 175	119 ± 137	121 ± 167	60 ± 133
Aktin + CD52	1335 ± 919	147 ± 248	490 ± 872	711 ± 1231	151 ± 241
Aktin + CD54	8104 ± 2978	2440 ± 1328	4995 ± 3396	5053 ± 3530	4798 ± 3026
Aktin + CD56	628 ± 786	405 ± 629	134 ± 128	90 ± 141	153 ± 206
Aktin + CD58	1481 ± 910	1028 ± 1200	753 ± 449	1470 ± 2339	1313 ± 913
Aktin + CD62E	1425 ± 1174	69 ± 116	1633 ± 1837	767 ± 957	436 ± 391
Aktin + CD62P	2929 ± 2194	854 ± 620	2495 ± 1959	2586 ± 1841	2140 ± 1404

Epitop	APS	UPS	W02	W06	W12
Aktin + CD68	2240 ± 2135	723 ± 552	1661 ± 1242	1548 ± 1119	1419 ± 1053
Aktin + CD7	423 ± 467	208 ± 235	226 ± 259	272 ± 267	166 ± 331
Aktin + CD8a	127 ± 89	116 ± 150	56 ± 58	149 ± 120	38 ± 35
Aktin + CK14	47 ± 104	911 ± 2132	33 ± 60	4 ± 10	17 ± 29
Aktin + CLA	87 ± 80	32 ± 43	50 ± 53	70 ± 92	16 ± 24
Aktin + c-myc	3154 ± 4969	1504 ± 2609	2238 ± 3453	43 ± 104	961 ± 2089
Aktin + Collagen IV	5789 ± 2055	2571 ± 941	5963 ± 3681	5682 ± 3900	4715 ± 3260
Aktin + FXIIIA	427 ± 437	261 ± 247	373 ± 656	296 ± 314	475 ± 790
Aktin + HLA-DR	4200 ± 1298	2361 ± 1075	2347 ± 1645	3293 ± 3172	3235 ± 1933
Aktin + IL-22R	0 ± 0	9 ± 19	1 ± 2	1 ± 4	3 ± 4
Aktin + IL-23R	119 ± 164	112 ± 292	41 ± 72	236 ± 328	8 ± 10
Aktin + Ki67	9 ± 17	3 ± 7	10 ± 12	0 ± 0	0 ± 1
Aktin + PI	4359 ± 1614	2018 ± 1046	3045 ± 1974	3765 ± 2810	2918 ± 1920
Aktin + Podoplanin	395 ± 459	734 ± 1047	62 ± 68	12 ± 21	96 ± 125
Aktin + SNA1	7824 ± 3543	3243 ± 999	6033 ± 4020	5042 ± 3089	4749 ± 2976
Aktin + STAT3	239 ± 380	1095 ± 2404	102 ± 121	23 ± 34	86 ± 138
Aktin + TIA1	240 ± 274	185 ± 158	141 ± 122	247 ± 280	79 ± 78
Aktin + Vimentin	4722 ± 1532	1622 ± 738	3426 ± 2214	2563 ± 1620	2149 ± 1746

Tabelle 2: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	259 ± 229	24 ± 27	758 ± 1329	122 ± 298	45 ± 50
BCL2 + CCR6	496 ± 530	189 ± 386	815 ± 929	754 ± 1115	141 ± 148
BCL2 + CD11a	2378 ± 2211	172 ± 244	3842 ± 3443	2682 ± 4524	518 ± 348
BCL2 + CD11b	405 ± 436	72 ± 56	328 ± 480	1389 ± 2464	379 ± 180
BCL2 + CD120a	44 ± 45	66 ± 166	19 ± 28	27 ± 62	46 ± 48
BCL2 + CD120b	633 ± 1189	50 ± 106	272 ± 166	1905 ± 3649	24 ± 37
BCL2 + CD138	7962 ± 9595	2079 ± 3995	2211 ± 2655	419 ± 312	2557 ± 3115
BCL2 + CD15	83 ± 176	39 ± 83	14 ± 12	35 ± 47	67 ± 83
BCL2 + CD1a	121 ± 96	351 ± 633	48 ± 88	104 ± 198	81 ± 97
BCL2 + CD2	2746 ± 2365	200 ± 267	3966 ± 3365	3400 ± 5702	644 ± 501
BCL2 + CD207	181 ± 138	443 ± 922	143 ± 154	158 ± 277	148 ± 193
BCL2 + CD24	7 ± 8	0 ± 1	15 ± 19	8 ± 10	4 ± 5
BCL2 + CD28	2044 ± 2237	96 ± 248	2434 ± 2489	2886 ± 5073	318 ± 300
BCL2 + CD29	5000 ± 3416	766 ± 1142	2527 ± 2723	869 ± 622	1482 ± 1204
BCL2 + CD3	2417 ± 2362	269 ± 406	4006 ± 3668	3377 ± 5651	558 ± 451
BCL2 + CD31	270 ± 258	20 ± 34	852 ± 1359	205 ± 358	66 ± 47
BCL2 + CD4	2123 ± 1810	175 ± 303	3169 ± 2791	3254 ± 5598	563 ± 364
BCL2 + CD44	4210 ± 2884	927 ± 1218	4824 ± 4219	1843 ± 1889	1936 ± 2001
BCL2 + CD45	2538 ± 2454	150 ± 210	3475 ± 2866	2748 ± 4585	389 ± 378
BCL2 + CD45RA	608 ± 532	45 ± 32	789 ± 712	765 ± 1416	160 ± 129
BCL2 + CD45RO	1695 ± 1664	77 ± 130	3149 ± 2990	2992 ± 5236	203 ± 253
BCL2 + CD52	1917 ± 2172	132 ± 193	2897 ± 2940	2763 ± 5045	276 ± 359
BCL2 + CD54	2900 ± 2613	226 ± 472	2862 ± 2164	1804 ± 3147	473 ± 389
BCL2 + CD56	104 ± 48	30 ± 54	156 ± 134	58 ± 82	34 ± 29
BCL2 + CD58	2807 ± 4574	1465 ± 3062	934 ± 1354	1546 ± 2975	1162 ± 1544
BCL2 + CD62E	85 ± 99	5 ± 6	493 ± 921	6 ± 7	20 ± 25
BCL2 + CD62P	104 ± 98	4 ± 6	443 ± 827	5 ± 9	42 ± 48
BCL2 + CD68	1260 ± 848	403 ± 362	1802 ± 1447	902 ± 614	840 ± 528
BCL2 + CD7	1395 ± 992	53 ± 56	2701 ± 2094	2422 ± 4165	332 ± 331
BCL2 + CD8a	528 ± 342	88 ± 92	1005 ± 789	1894 ± 3573	223 ± 159
BCL2 + CK14	10523 ± 9108	2186 ± 3713	4422 ± 4488	1245 ± 694	3640 ± 3730
BCL2 + CLA	694 ± 503	100 ± 95	976 ± 811	568 ± 625	265 ± 123
BCL2 + c-myc	4456 ± 3366	2389 ± 5105	1340 ± 1309	422 ± 333	2560 ± 3755
BCL2 + Collagen IV	597 ± 414	91 ± 77	1183 ± 1277	267 ± 225	314 ± 223
BCL2 + FXIIIA	294 ± 350	59 ± 56	973 ± 1055	326 ± 402	236 ± 169
BCL2 + HLA-DR	3798 ± 2691	492 ± 731	3294 ± 3624	1586 ± 1764	1006 ± 341
BCL2 + IL-22R	497 ± 310	1128 ± 2756	116 ± 119	115 ± 92	1663 ± 2820
BCL2 + IL-23R	1499 ± 1263	546 ± 1063	258 ± 232	376 ± 232	687 ± 845
BCL2 + Ki67	2467 ± 2362	191 ± 334	1683 ± 2596	81 ± 66	232 ± 242
BCL2 + PI	13641 ± 9659	2205 ± 3437	9122 ± 9632	3792 ± 4220	2958 ± 1587
BCL2 + Podoplanin	1095 ± 1239	77 ± 131	304 ± 214	53 ± 100	57 ± 61
BCL2 + SNA1	2313 ± 2250	231 ± 324	1733 ± 2351	313 ± 312	313 ± 147
BCL2 + STAT3	3163 ± 3484	2202 ± 4590	143 ± 173	211 ± 169	1595 ± 1996
BCL2 + TIA1	241 ± 290	21 ± 27	208 ± 153	415 ± 741	66 ± 71
BCL2 + Vimentin	4311 ± 1536	677 ± 835	4804 ± 3676	1525 ± 1045	1152 ± 502

Tabelle 3: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	276 ± 341	214 ± 375	83 ± 108	38 ± 46	54 ± 80
CCR6 + BCL2	496 ± 530	189 ± 386	815 ± 929	754 ± 1115	141 ± 148
CCR6 + CD11a	1149 ± 1233	58 ± 56	2173 ± 2332	1234 ± 1480	449 ± 614
CCR6 + CD11b	343 ± 616	50 ± 72	98 ± 67	934 ± 814	344 ± 420
CCR6 + CD120a	11 ± 9	13 ± 14	10 ± 12	47 ± 40	6 ± 5
CCR6 + CD120b	288 ± 458	19 ± 26	212 ± 192	731 ± 1270	53 ± 119
CCR6 + CD138	529 ± 296	698 ± 463	308 ± 233	736 ± 730	131 ± 102
CCR6 + CD15	52 ± 69	65 ± 123	48 ± 55	27 ± 27	17 ± 21
CCR6 + CD1a	32 ± 21	57 ± 72	48 ± 55	92 ± 51	18 ± 18
CCR6 + CD2	1071 ± 1155	53 ± 57	1949 ± 2171	1626 ± 1850	467 ± 624
CCR6 + CD207	97 ± 93	68 ± 96	72 ± 81	147 ± 64	33 ± 37
CCR6 + CD24	47 ± 57	20 ± 26	28 ± 29	48 ± 72	10 ± 3
CCR6 + CD28	887 ± 963	10 ± 8	1556 ± 1744	1198 ± 1728	329 ± 491
CCR6 + CD29	736 ± 664	366 ± 333	417 ± 364	418 ± 216	180 ± 78
CCR6 + CD3	1213 ± 1346	93 ± 79	2260 ± 2403	1729 ± 1949	478 ± 651
CCR6 + CD31	55 ± 69	31 ± 69	21 ± 22	37 ± 44	11 ± 10
CCR6 + CD4	919 ± 914	40 ± 31	1910 ± 2296	1536 ± 1837	435 ± 582
CCR6 + CD44	1653 ± 1605	297 ± 215	2234 ± 1946	2163 ± 1121	635 ± 630
CCR6 + CD45	1258 ± 1354	50 ± 37	2107 ± 2264	1307 ± 1421	401 ± 544
CCR6 + CD45RA	533 ± 499	252 ± 320	528 ± 474	442 ± 366	258 ± 168
CCR6 + CD45RO	851 ± 739	117 ± 190	1657 ± 1647	1266 ± 1798	278 ± 414
CCR6 + CD52	918 ± 1112	87 ± 141	1789 ± 1924	1290 ± 1703	383 ± 561
CCR6 + CD54	1342 ± 1593	44 ± 31	1612 ± 1906	998 ± 1322	353 ± 473
CCR6 + CD56	360 ± 410	295 ± 369	271 ± 277	197 ± 214	131 ± 121
CCR6 + CD58	231 ± 143	208 ± 262	693 ± 1128	666 ± 1050	141 ± 154
CCR6 + CD62E	26 ± 38	9 ± 26	5 ± 10	7 ± 7	3 ± 4
CCR6 + CD62P	50 ± 76	13 ± 26	7 ± 10	14 ± 22	16 ± 15
CCR6 + CD68	614 ± 560	109 ± 94	777 ± 803	571 ± 363	320 ± 397
CCR6 + CD7	691 ± 614	27 ± 25	1619 ± 1747	1059 ± 1259	300 ± 439
CCR6 + CD8a	301 ± 293	34 ± 36	588 ± 641	687 ± 818	201 ± 259
CCR6 + CK14	547 ± 267	496 ± 306	471 ± 299	1068 ± 583	156 ± 125
CCR6 + CLA	417 ± 506	42 ± 56	497 ± 452	421 ± 276	185 ± 195
CCR6 + c-myc	444 ± 285	784 ± 577	231 ± 205	504 ± 480	137 ± 111
CCR6 + Collagen IV	65 ± 56	25 ± 40	147 ± 144	175 ± 216	43 ± 59
CCR6 + FXIIIA	427 ± 448	257 ± 298	504 ± 491	411 ± 235	178 ± 81
CCR6 + HLA-DR	1687 ± 1403	423 ± 365	1714 ± 1501	1726 ± 950	655 ± 563
CCR6 + IL-22R	108 ± 141	264 ± 364	21 ± 13	376 ± 410	56 ± 72
CCR6 + IL-23R	88 ± 67	38 ± 32	70 ± 62	409 ± 241	53 ± 86
CCR6 + Ki67	18 ± 21	4 ± 4	21 ± 17	34 ± 50	3 ± 3
CCR6 + PI	1191 ± 1156	285 ± 179	1485 ± 1609	1550 ± 1176	485 ± 502
CCR6 + Podoplanin	456 ± 475	439 ± 548	331 ± 325	143 ± 151	178 ± 141
CCR6 + SNA1	671 ± 559	219 ± 236	408 ± 248	437 ± 349	206 ± 124
CCR6 + STAT3	386 ± 382	688 ± 504	194 ± 157	548 ± 430	111 ± 104
CCR6 + TIA1	237 ± 189	159 ± 241	152 ± 155	196 ± 168	117 ± 104
CCR6 + Vimentin	1427 ± 1248	278 ± 325	1778 ± 1658	1274 ± 686	467 ± 641

Tabelle 4: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	500 ± 351	97 ± 102	154 ± 187	108 ± 117	133 ± 246
CD11a + BCL2	2378 ± 2211	172 ± 244	3842 ± 3443	2682 ± 4524	518 ± 348
CD11a + CCR6	1149 ± 1233	58 ± 56	2173 ± 2332	1234 ± 1480	449 ± 614
CD11a + CD11b	3524 ± 2077	506 ± 490	1530 ± 929	3776 ± 3839	3266 ± 2864
CD11a + CD120a	137 ± 228	3 ± 4	267 ± 391	140 ± 241	32 ± 44
CD11a + CD120b	2839 ± 3252	166 ± 220	1406 ± 472	4519 ± 7993	428 ± 581
CD11a + CD138	1087 ± 1419	1 ± 1	279 ± 156	52 ± 58	150 ± 285
CD11a + CD15	595 ± 511	17 ± 24	461 ± 518	26 ± 27	32 ± 35
CD11a + CD1a	163 ± 145	229 ± 622	112 ± 172	207 ± 365	110 ± 136
CD11a + CD2	15808 ± 9695	796 ± 541	15465 ± 8745	9809 ± 12731	5490 ± 5720
CD11a + CD207	443 ± 536	213 ± 564	442 ± 431	414 ± 518	283 ± 318
CD11a + CD24	505 ± 407	81 ± 122	692 ± 389	280 ± 240	303 ± 414
CD11a + CD28	13563 ± 8912	270 ± 542	11465 ± 9011	8774 ± 12559	4039 ± 4342
CD11a + CD29	3552 ± 2203	228 ± 238	1927 ± 1675	530 ± 318	1026 ± 776
CD11a + CD3	18291 ± 11245	1420 ± 988	22141 ± 13433	10983 ± 13074	6838 ± 6032
CD11a + CD31	376 ± 374	76 ± 84	382 ± 485	186 ± 285	160 ± 214
CD11a + CD4	14678 ± 6840	753 ± 567	18036 ± 13947	9745 ± 13053	6178 ± 5979
CD11a + CD44	13983 ± 6535	1427 ± 848	21013 ± 8699	6787 ± 4778	6109 ± 4075
CD11a + CD45	19588 ± 11244	736 ± 468	21716 ± 13493	8752 ± 10958	4548 ± 4486
CD11a + CD45RA	4172 ± 1389	279 ± 207	4526 ± 2736	2130 ± 2787	1521 ± 1516
CD11a + CD45RO	10271 ± 5102	219 ± 219	12457 ± 7023	8569 ± 12698	2256 ± 3724
CD11a + CD52	12666 ± 9578	399 ± 460	14038 ± 10981	7801 ± 12071	3661 ± 4721
CD11a + CD54	16271 ± 12668	856 ± 903	13882 ± 11674	4913 ± 6496	4731 ± 4213
CD11a + CD56	477 ± 279	29 ± 28	447 ± 219	110 ± 97	110 ± 64
CD11a + CD58	1510 ± 2160	310 ± 744	3826 ± 8370	3215 ± 5880	977 ± 1171
CD11a + CD62E	148 ± 102	6 ± 12	92 ± 104	16 ± 22	18 ± 39
CD11a + CD62P	222 ± 228	27 ± 12	92 ± 99	13 ± 13	42 ± 70
CD11a + CD68	1338 ± 932	89 ± 68	2933 ± 1799	697 ± 1052	992 ± 1727
CD11a + CD7	8315 ± 3897	473 ± 541	13924 ± 8456	6863 ± 9054	3515 ± 3468
CD11a + CD8a	4352 ± 1333	587 ± 388	5877 ± 2997	5182 ± 7030	2820 ± 2411
CD11a + CK14	1611 ± 2057	5 ± 6	1011 ± 555	118 ± 139	424 ± 599
CD11a + CLA	4209 ± 2182	295 ± 255	4507 ± 1838	1941 ± 1175	1692 ± 929
CD11a + c-myc	900 ± 584	14 ± 14	854 ± 1111	47 ± 72	162 ± 238
CD11a + Collagen IV	1840 ± 1746	235 ± 174	2602 ± 1407	600 ± 335	980 ± 1071
CD11a + FXIIIA	319 ± 237	74 ± 29	1212 ± 905	432 ± 413	314 ± 321
CD11a + HLA-DR	15562 ± 6336	1407 ± 869	15472 ± 7258	6070 ± 4591	6140 ± 4239
CD11a + IL-22R	72 ± 77	1 ± 2	61 ± 106	38 ± 52	81 ± 111
CD11a + IL-23R	138 ± 230	12 ± 31	194 ± 291	52 ± 65	11 ± 14
CD11a + Ki67	63 ± 82	5 ± 10	84 ± 175	22 ± 34	28 ± 39
CD11a + PI	15451 ± 7341	873 ± 504	16794 ± 9452	7763 ± 8081	5912 ± 5318
CD11a + Podoplanin	1120 ± 1237	175 ± 359	1132 ± 1101	213 ± 304	324 ± 592
CD11a + SNA1	5544 ± 5189	571 ± 398	3283 ± 1216	805 ± 369	1092 ± 724
CD11a + STAT3	248 ± 227	5 ± 9	63 ± 106	11 ± 12	17 ± 16
CD11a + TIA1	1504 ± 719	130 ± 120	1351 ± 700	1211 ± 1239	758 ± 856
CD11a + Vimentin	7255 ± 3334	591 ± 364	9158 ± 4837	2022 ± 1224	2388 ± 3298

Tabelle 5: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	283 ± 203	231 ± 446	99 ± 139	533 ± 614	467 ± 787
CD11b + BCL2	405 ± 436	72 ± 56	328 ± 480	1389 ± 2464	379 ± 180
CD11b + CCR6	343 ± 616	50 ± 72	98 ± 67	934 ± 814	344 ± 420
CD11b + CD11a	3524 ± 2077	506 ± 490	1530 ± 929	3776 ± 3839	3266 ± 2864
CD11b + CD120a	50 ± 42	3 ± 4	89 ± 139	247 ± 476	40 ± 80
CD11b + CD120b	408 ± 522	130 ± 166	119 ± 106	2139 ± 3191	374 ± 346
CD11b + CD138	103 ± 110	5 ± 7	90 ± 136	42 ± 31	186 ± 384
CD11b + CD15	1749 ± 1541	73 ± 95	3413 ± 4859	214 ± 108	122 ± 125
CD11b + CD1a	14 ± 13	44 ± 102	14 ± 27	65 ± 98	57 ± 106
CD11b + CD2	2363 ± 1832	369 ± 357	724 ± 492	5420 ± 5113	2708 ± 2544
CD11b + CD207	77 ± 158	12 ± 21	50 ± 73	148 ± 123	120 ± 211
CD11b + CD24	601 ± 538	154 ± 214	2910 ± 3802	644 ± 443	431 ± 391
CD11b + CD28	1628 ± 1274	41 ± 40	458 ± 321	3603 ± 4670	1634 ± 1687
CD11b + CD29	1351 ± 703	499 ± 555	770 ± 631	1693 ± 1416	2153 ± 1552
CD11b + CD3	2643 ± 2135	724 ± 715	1370 ± 1049	6638 ± 6400	3266 ± 2540
CD11b + CD31	395 ± 378	178 ± 318	690 ± 1192	505 ± 383	634 ± 901
CD11b + CD4	2789 ± 2214	652 ± 820	894 ± 458	6142 ± 5688	4745 ± 2735
CD11b + CD44	4099 ± 2152	1798 ± 1057	3047 ± 1681	9921 ± 3019	7690 ± 2849
CD11b + CD45	3614 ± 2559	308 ± 280	1479 ± 1006	4290 ± 3820	2080 ± 1870
CD11b + CD45RA	636 ± 288	261 ± 272	309 ± 163	1513 ± 1201	1314 ± 1008
CD11b + CD45RO	2226 ± 1694	93 ± 73	1804 ± 1517	4387 ± 5847	1070 ± 1770
CD11b + CD52	1928 ± 1754	131 ± 152	913 ± 747	3577 ± 5074	1619 ± 2320
CD11b + CD54	4544 ± 3569	813 ± 785	1997 ± 1718	5066 ± 4930	5035 ± 3354
CD11b + CD56	183 ± 101	109 ± 118	93 ± 67	406 ± 236	417 ± 204
CD11b + CD58	172 ± 165	108 ± 161	289 ± 510	1763 ± 3216	769 ± 845
CD11b + CD62E	316 ± 369	19 ± 22	852 ± 1320	120 ± 134	128 ± 210
CD11b + CD62P	274 ± 302	56 ± 89	348 ± 384	134 ± 91	262 ± 417
CD11b + CD68	1140 ± 978	277 ± 147	1123 ± 626	2561 ± 1925	2821 ± 2659
CD11b + CD7	1313 ± 1116	273 ± 390	609 ± 285	3101 ± 3061	1604 ± 1662
CD11b + CD8a	467 ± 266	296 ± 301	286 ± 256	2262 ± 2627	1116 ± 1014
CD11b + CK14	291 ± 200	1 ± 2	556 ± 1013	189 ± 290	320 ± 665
CD11b + CLA	1079 ± 560	140 ± 119	1374 ± 1769	1192 ± 407	891 ± 486
CD11b + c-myc	523 ± 202	46 ± 32	376 ± 355	185 ± 182	464 ± 707
CD11b + Collagen IV	861 ± 841	423 ± 503	1180 ± 1511	2070 ± 1819	1872 ± 1552
CD11b + FXIIIA	1279 ± 784	931 ± 789	1069 ± 652	4119 ± 1114	3821 ± 2504
CD11b + HLA-DR	5611 ± 2069	2393 ± 1694	2813 ± 1594	10994 ± 4532	10986 ± 3668
CD11b + IL-22R	4 ± 6	0 ± 0	4 ± 6	19 ± 34	44 ± 107
CD11b + IL-23R	238 ± 326	65 ± 127	499 ± 783	336 ± 158	105 ± 68
CD11b + Ki67	6 ± 9	2 ± 5	8 ± 21	48 ± 82	28 ± 41
CD11b + PI	3610 ± 1448	984 ± 818	2116 ± 1904	7141 ± 3173	5771 ± 3130
CD11b + Podoplanin	309 ± 340	299 ± 498	104 ± 116	213 ± 151	423 ± 321
CD11b + SNA1	3162 ± 2135	1348 ± 736	2401 ± 1955	2887 ± 976	3779 ± 1546
CD11b + STAT3	285 ± 373	16 ± 15	869 ± 1549	23 ± 34	54 ± 56
CD11b + TIA1	992 ± 841	104 ± 127	2211 ± 2588	805 ± 578	530 ± 813
CD11b + Vimentin	3001 ± 1446	1196 ± 470	2049 ± 1485	5643 ± 1482	4791 ± 3351

Tabelle 6: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	4 ± 5	1 ± 2	2 ± 3	2 ± 5	2 ± 3
CD120a + BCL2	44 ± 45	66 ± 166	19 ± 28	27 ± 62	46 ± 48
CD120a + CCR6	11 ± 9	13 ± 14	10 ± 12	47 ± 40	6 ± 5
CD120a + CD11a	137 ± 228	3 ± 4	267 ± 391	140 ± 241	32 ± 44
CD120a + CD11b	50 ± 42	3 ± 4	89 ± 139	247 ± 476	40 ± 80
CD120a + CD120b	20 ± 36	5 ± 10	35 ± 49	115 ± 240	12 ± 16
CD120a + CD138	334 ± 215	178 ± 165	154 ± 122	466 ± 686	236 ± 148
CD120a + CD15	16 ± 19	7 ± 16	45 ± 93	6 ± 7	9 ± 8
CD120a + CD1a	185 ± 204	137 ± 159	158 ± 131	246 ± 206	153 ± 64
CD120a + CD2	36 ± 38	1 ± 2	58 ± 71	142 ± 238	44 ± 49
CD120a + CD207	202 ± 147	150 ± 125	203 ± 141	260 ± 187	191 ± 109
CD120a + CD24	7 ± 9	0 ± 0	58 ± 103	22 ± 45	13 ± 16
CD120a + CD28	80 ± 125	6 ± 11	103 ± 157	143 ± 276	14 ± 17
CD120a + CD29	98 ± 58	93 ± 112	87 ± 87	163 ± 264	118 ± 67
CD120a + CD3	66 ± 89	4 ± 6	173 ± 245	240 ± 462	27 ± 31
CD120a + CD31	9 ± 11	1 ± 2	16 ± 24	5 ± 9	5 ± 8
CD120a + CD4	181 ± 328	4 ± 5	224 ± 320	204 ± 377	28 ± 23
CD120a + CD44	319 ± 291	144 ± 175	543 ± 547	619 ± 362	266 ± 94
CD120a + CD45	184 ± 185	14 ± 18	349 ± 498	203 ± 255	41 ± 46
CD120a + CD45RA	36 ± 55	0 ± 0	16 ± 25	38 ± 71	8 ± 14
CD120a + CD45RO	78 ± 101	4 ± 7	191 ± 245	212 ± 413	19 ± 41
CD120a + CD52	59 ± 92	2 ± 4	79 ± 137	165 ± 377	8 ± 11
CD120a + CD54	300 ± 445	6 ± 12	410 ± 543	213 ± 433	69 ± 133
CD120a + CD56	4 ± 5	1 ± 2	23 ± 38	4 ± 8	2 ± 2
CD120a + CD58	143 ± 134	106 ± 156	211 ± 245	280 ± 313	151 ± 136
CD120a + CD62E	4 ± 5	0 ± 1	4 ± 5	6 ± 13	1 ± 1
CD120a + CD62P	4 ± 6	1 ± 1	1 ± 1	0 ± 0	2 ± 5
CD120a + CD68	67 ± 53	71 ± 65	107 ± 96	161 ± 72	140 ± 90
CD120a + CD7	30 ± 33	0 ± 0	84 ± 90	104 ± 178	12 ± 11
CD120a + CD8a	24 ± 45	0 ± 1	12 ± 11	71 ± 151	13 ± 27
CD120a + CK14	419 ± 393	269 ± 277	277 ± 147	626 ± 905	398 ± 145
CD120a + CLA	133 ± 105	4 ± 9	103 ± 69	107 ± 178	61 ± 76
CD120a + c-myc	175 ± 232	135 ± 157	124 ± 179	53 ± 36	96 ± 45
CD120a + Collagen IV	113 ± 166	7 ± 7	135 ± 179	50 ± 23	38 ± 34
CD120a + FXIIIA	8 ± 7	6 ± 8	23 ± 19	22 ± 32	10 ± 10
CD120a + HLA-DR	708 ± 664	195 ± 260	577 ± 527	521 ± 248	323 ± 98
CD120a + IL-22R	140 ± 102	132 ± 188	37 ± 26	319 ± 491	173 ± 104
CD120a + IL-23R	278 ± 306	112 ± 286	191 ± 270	138 ± 143	68 ± 69
CD120a + Ki67	18 ± 15	13 ± 10	10 ± 18	22 ± 17	20 ± 21
CD120a + PI	179 ± 77	143 ± 146	144 ± 90	324 ± 290	180 ± 92
CD120a + Podoplanin	13 ± 17	4 ± 4	37 ± 53	5 ± 5	9 ± 20
CD120a + SNA1	271 ± 314	50 ± 72	161 ± 154	135 ± 60	77 ± 44
CD120a + STAT3	229 ± 341	132 ± 175	26 ± 39	163 ± 335	94 ± 109
CD120a + TIA1	12 ± 18	0 ± 1	15 ± 23	12 ± 20	1 ± 2
CD120a + Vimentin	312 ± 154	135 ± 123	338 ± 186	366 ± 229	228 ± 98

Tabelle 7: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	67 ± 53	41 ± 41	13 ± 13	101 ± 194	11 ± 11
CD120b + BCL2	633 ± 1189	50 ± 106	272 ± 166	1905 ± 3649	24 ± 37
CD120b + CCR6	288 ± 458	19 ± 26	212 ± 192	731 ± 1270	53 ± 119
CD120b + CD11a	2839 ± 3252	166 ± 220	1406 ± 472	4519 ± 7993	428 ± 581
CD120b + CD11b	408 ± 522	130 ± 166	119 ± 106	2139 ± 3191	374 ± 346
CD120b + CD120a	20 ± 36	5 ± 10	35 ± 49	115 ± 240	12 ± 16
CD120b + CD138	56 ± 59	17 ± 24	31 ± 40	6 ± 8	14 ± 20
CD120b + CD15	627 ± 1126	191 ± 281	87 ± 109	328 ± 314	101 ± 128
CD120b + CD1a	57 ± 48	120 ± 318	29 ± 27	230 ± 393	18 ± 30
CD120b + CD2	2135 ± 3303	101 ± 186	932 ± 343	5143 ± 9347	278 ± 504
CD120b + CD207	155 ± 264	92 ± 253	78 ± 71	339 ± 557	38 ± 71
CD120b + CD24	2579 ± 3001	1122 ± 647	1242 ± 766	2436 ± 1487	1698 ± 1200
CD120b + CD28	2593 ± 3235	102 ± 240	1183 ± 534	5396 ± 9614	361 ± 514
CD120b + CD29	2370 ± 1458	670 ± 528	1143 ± 541	1393 ± 674	927 ± 472
CD120b + CD3	3110 ± 3359	433 ± 343	1825 ± 572	6399 ± 10651	571 ± 645
CD120b + CD31	46 ± 53	26 ± 27	51 ± 80	221 ± 342	19 ± 15
CD120b + CD4	2440 ± 3029	129 ± 256	1185 ± 442	5543 ± 9991	357 ± 527
CD120b + CD44	4410 ± 2537	1430 ± 763	2795 ± 970	5429 ± 4697	1979 ± 1160
CD120b + CD45	2847 ± 3265	155 ± 235	1526 ± 720	4702 ± 8202	297 ± 453
CD120b + CD45RA	1164 ± 684	74 ± 63	379 ± 175	1569 ± 2413	438 ± 350
CD120b + CD45RO	1667 ± 2453	45 ± 89	923 ± 343	4837 ± 9055	177 ± 412
CD120b + CD52	2260 ± 3228	162 ± 233	1108 ± 581	4946 ± 9424	383 ± 569
CD120b + CD54	3417 ± 3378	346 ± 413	1117 ± 582	3633 ± 6407	628 ± 508
CD120b + CD56	65 ± 48	31 ± 35	27 ± 14	73 ± 57	33 ± 23
CD120b + CD58	386 ± 656	145 ± 300	409 ± 616	2857 ± 5694	148 ± 199
CD120b + CD62E	14 ± 12	8 ± 13	11 ± 16	19 ± 31	1 ± 1
CD120b + CD62P	382 ± 882	65 ± 88	27 ± 35	21 ± 19	19 ± 24
CD120b + CD68	243 ± 240	14 ± 20	229 ± 141	432 ± 673	91 ± 173
CD120b + CD7	1493 ± 1565	66 ± 80	1380 ± 443	3994 ± 7306	320 ± 512
CD120b + CD8a	458 ± 459	72 ± 49	301 ± 151	2634 ± 5156	186 ± 256
CD120b + CK14	74 ± 77	17 ± 25	92 ± 128	31 ± 32	28 ± 50
CD120b + CLA	563 ± 707	41 ± 40	412 ± 129	787 ± 1109	97 ± 140
CD120b + c-myc	124 ± 77	27 ± 36	59 ± 84	32 ± 37	23 ± 44
CD120b + Collagen IV	412 ± 357	197 ± 137	331 ± 106	598 ± 227	256 ± 225
CD120b + FXIIIA	39 ± 48	29 ± 39	43 ± 28	213 ± 301	25 ± 13
CD120b + HLA-DR	3804 ± 1935	1109 ± 707	1818 ± 589	4337 ± 3777	1445 ± 952
CD120b + IL-22R	4 ± 6	13 ± 28	10 ± 14	28 ± 52	6 ± 7
CD120b + IL-23R	31 ± 69	4 ± 7	25 ± 48	40 ± 73	2 ± 2
CD120b + Ki67	2 ± 3	3 ± 5	2 ± 5	9 ± 24	2 ± 3
CD120b + PI	3277 ± 2310	507 ± 275	1329 ± 756	4549 ± 6082	869 ± 675
CD120b + Podoplanin	217 ± 144	123 ± 225	147 ± 156	167 ± 221	78 ± 72
CD120b + SNA1	1331 ± 945	595 ± 272	562 ± 299	985 ± 365	672 ± 403
CD120b + STAT3	64 ± 94	41 ± 43	6 ± 5	5 ± 5	5 ± 5
CD120b + TIA1	234 ± 363	17 ± 21	78 ± 73	480 ± 893	46 ± 74
CD120b + Vimentin	851 ± 855	108 ± 151	552 ± 228	772 ± 1073	136 ± 299

Tabelle 8: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	158 ± 249	1029 ± 2383	77 ± 100	10 ± 15	60 ± 128
CD138 + BCL2	7962 ± 9595	2079 ± 3995	2211 ± 2655	419 ± 312	2557 ± 3115
CD138 + CCR6	529 ± 296	698 ± 463	308 ± 233	736 ± 730	131 ± 102
CD138 + CD11a	1087 ± 1419	1 ± 1	279 ± 156	52 ± 58	150 ± 285
CD138 + CD11b	103 ± 110	5 ± 7	90 ± 136	42 ± 31	186 ± 384
CD138 + CD120a	334 ± 215	178 ± 165	154 ± 122	466 ± 686	236 ± 148
CD138 + CD120b	56 ± 59	17 ± 24	31 ± 40	6 ± 8	14 ± 20
CD138 + CD15	81 ± 89	78 ± 140	29 ± 43	47 ± 84	41 ± 34
CD138 + CD1a	2252 ± 2131	936 ± 651	1019 ± 917	2030 ± 1708	709 ± 355
CD138 + CD2	1521 ± 1857	1 ± 2	480 ± 247	237 ± 187	237 ± 340
CD138 + CD207	1555 ± 698	1100 ± 620	1125 ± 347	1364 ± 548	748 ± 435
CD138 + CD24	35 ± 65	12 ± 23	22 ± 24	79 ± 142	164 ± 398
CD138 + CD28	886 ± 1562	4 ± 5	72 ± 40	31 ± 52	32 ± 50
CD138 + CD29	23520 ± 17199	4783 ± 3675	7508 ± 4631	5310 ± 2989	5167 ± 4709
CD138 + CD3	1126 ± 1412	28 ± 48	559 ± 392	204 ± 277	144 ± 299
CD138 + CD31	12 ± 14	81 ± 193	30 ± 59	9 ± 17	2 ± 4
CD138 + CD4	608 ± 1286	4 ± 5	80 ± 94	35 ± 41	38 ± 55
CD138 + CD44	34774 ± 24818	5855 ± 3417	26262 ± 5220	18269 ± 14566	9648 ± 9952
CD138 + CD45	1502 ± 2369	16 ± 14	440 ± 370	217 ± 383	70 ± 93
CD138 + CD45RA	263 ± 329	123 ± 215	109 ± 107	26 ± 21	126 ± 158
CD138 + CD45RO	1066 ± 1578	119 ± 206	374 ± 242	177 ± 298	115 ± 172
CD138 + CD52	204 ± 212	66 ± 120	414 ± 844	33 ± 35	22 ± 25
CD138 + CD54	2799 ± 4161	11 ± 11	406 ± 451	96 ± 117	453 ± 1124
CD138 + CD56	186 ± 261	541 ± 752	132 ± 151	39 ± 39	120 ± 134
CD138 + CD58	26895 ± 32955	3417 ± 3914	7156 ± 6424	5979 ± 8687	7277 ± 7374
CD138 + CD62E	25 ± 26	24 ± 50	35 ± 71	11 ± 14	14 ± 14
CD138 + CD62P	54 ± 78	25 ± 48	37 ± 57	16 ± 27	32 ± 39
CD138 + CD68	552 ± 497	603 ± 331	315 ± 165	615 ± 486	707 ± 526
CD138 + CD7	1020 ± 1360	6 ± 9	590 ± 241	89 ± 78	120 ± 259
CD138 + CD8a	469 ± 389	7 ± 13	160 ± 122	108 ± 130	122 ± 276
CD138 + CK14	101412 ± 47388	14535 ± 4258	55357 ± 13645	36307 ± 25360	24773 ± 22181
CD138 + CLA	925 ± 344	43 ± 74	402 ± 276	492 ± 655	340 ± 489
CD138 + c-myc	16313 ± 11052	10320 ± 6633	1735 ± 1001	4417 ± 3110	6714 ± 4052
CD138 + Collagen IV	1291 ± 1825	302 ± 348	656 ± 347	252 ± 199	187 ± 265
CD138 + FXIIIA	176 ± 249	214 ± 322	139 ± 177	33 ± 24	101 ± 119
CD138 + HLA-DR	21733 ± 18761	3157 ± 2005	5828 ± 5487	7326 ± 8411	4281 ± 5403
CD138 + IL-22R	11497 ± 5108	2974 ± 2548	2419 ± 2902	4995 ± 3899	8095 ± 5634
CD138 + IL-23R	5521 ± 4408	3451 ± 5846	559 ± 505	3951 ± 2451	2244 ± 2350
CD138 + Ki67	3804 ± 2449	503 ± 502	1535 ± 1796	910 ± 1208	811 ± 1031
CD138 + PI	22778 ± 8995	6491 ± 2221	10097 ± 5266	11256 ± 8856	6212 ± 4821
CD138 + Podoplanin	5865 ± 9666	813 ± 1208	2488 ± 3782	99 ± 209	586 ± 1332
CD138 + SNA1	11039 ± 15217	884 ± 985	1571 ± 1703	1106 ± 1408	495 ± 767
CD138 + STAT3	27815 ± 14945	10393 ± 5172	4266 ± 6168	8407 ± 4053	7389 ± 6322
CD138 + TIA1	132 ± 113	134 ± 197	56 ± 28	23 ± 21	54 ± 66
CD138 + Vimentin	6135 ± 3232	1381 ± 836	2821 ± 1045	2762 ± 1225	1507 ± 1801

Tabelle 9: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	115 ± 149	70 ± 108	22 ± 28	76 ± 93	39 ± 51
CD15 + BCL2	83 ± 176	39 ± 83	14 ± 12	35 ± 47	67 ± 83
CD15 + CCR6	52 ± 69	65 ± 123	48 ± 55	27 ± 27	17 ± 21
CD15 + CD11a	595 ± 511	17 ± 24	461 ± 518	26 ± 27	32 ± 35
CD15 + CD11b	1749 ± 1541	73 ± 95	3413 ± 4859	214 ± 108	122 ± 125
CD15 + CD120a	16 ± 19	7 ± 16	45 ± 93	6 ± 7	9 ± 8
CD15 + CD120b	627 ± 1126	191 ± 281	87 ± 109	328 ± 314	101 ± 128
CD15 + CD138	81 ± 89	78 ± 140	29 ± 43	47 ± 84	41 ± 34
CD15 + CD1a	17 ± 31	19 ± 27	1 ± 3	11 ± 14	11 ± 10
CD15 + CD2	437 ± 427	14 ± 28	170 ± 185	51 ± 35	42 ± 71
CD15 + CD207	17 ± 26	18 ± 40	14 ± 31	13 ± 18	16 ± 13
CD15 + CD24	1086 ± 1166	274 ± 370	2402 ± 3276	411 ± 302	140 ± 168
CD15 + CD28	337 ± 349	4 ± 4	157 ± 211	35 ± 37	16 ± 24
CD15 + CD29	913 ± 1134	318 ± 353	279 ± 276	477 ± 395	239 ± 215
CD15 + CD3	657 ± 644	79 ± 71	615 ± 731	151 ± 129	58 ± 58
CD15 + CD31	84 ± 78	38 ± 73	289 ± 628	101 ± 148	40 ± 65
CD15 + CD4	548 ± 571	28 ± 66	277 ± 313	68 ± 93	54 ± 65
CD15 + CD44	1139 ± 999	370 ± 378	1202 ± 1499	654 ± 587	315 ± 216
CD15 + CD45	594 ± 574	13 ± 24	578 ± 799	72 ± 128	22 ± 25
CD15 + CD45RA	192 ± 158	64 ± 121	97 ± 82	59 ± 38	48 ± 44
CD15 + CD45RO	660 ± 687	48 ± 98	849 ± 1017	41 ± 49	15 ± 16
CD15 + CD52	503 ± 546	63 ± 91	373 ± 501	61 ± 35	22 ± 31
CD15 + CD54	1090 ± 839	85 ± 129	785 ± 1128	182 ± 144	133 ± 162
CD15 + CD56	65 ± 87	65 ± 140	44 ± 51	18 ± 32	14 ± 23
CD15 + CD58	57 ± 46	48 ± 84	145 ± 243	23 ± 31	39 ± 31
CD15 + CD62E	123 ± 194	12 ± 20	580 ± 1236	98 ± 159	13 ± 11
CD15 + CD62P	491 ± 1029	85 ± 131	135 ± 250	99 ± 127	47 ± 27
CD15 + CD68	201 ± 212	100 ± 171	306 ± 382	110 ± 208	101 ± 105
CD15 + CD7	399 ± 459	9 ± 10	165 ± 167	49 ± 39	23 ± 34
CD15 + CD8a	122 ± 112	18 ± 19	143 ± 191	29 ± 25	7 ± 6
CD15 + CK14	106 ± 88	70 ± 118	164 ± 343	113 ± 191	61 ± 53
CD15 + CLA	563 ± 632	34 ± 33	1120 ± 1835	59 ± 30	34 ± 33
CD15 + c-myc	203 ± 136	106 ± 162	232 ± 327	79 ± 108	52 ± 44
CD15 + Collagen IV	360 ± 345	73 ± 66	657 ± 1109	246 ± 231	65 ± 59
CD15 + FXIIIA	204 ± 196	64 ± 128	375 ± 475	46 ± 41	37 ± 32
CD15 + HLA-DR	1352 ± 861	327 ± 382	1018 ± 1000	560 ± 620	284 ± 188
CD15 + IL-22R	8 ± 13	21 ± 39	3 ± 7	31 ± 65	27 ± 41
CD15 + IL-23R	75 ± 129	5 ± 11	230 ± 502	33 ± 70	14 ± 18
CD15 + Ki67	2 ± 4	7 ± 19	1 ± 3	5 ± 7	1 ± 1
CD15 + PI	1000 ± 772	136 ± 157	895 ± 1425	373 ± 274	136 ± 92
CD15 + Podoplanin	134 ± 120	85 ± 152	68 ± 87	23 ± 25	36 ± 27
CD15 + SNA1	1210 ± 1162	316 ± 326	1172 ± 1619	416 ± 451	184 ± 119
CD15 + STAT3	249 ± 336	95 ± 149	270 ± 602	30 ± 70	26 ± 24
CD15 + TIA1	692 ± 804	68 ± 145	1763 ± 2266	50 ± 45	57 ± 115
CD15 + Vimentin	459 ± 629	206 ± 269	580 ± 1094	309 ± 520	255 ± 372

Tabelle 10: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	3 ± 6	37 ± 92	0 ± 0	0 ± 0	3 ± 7
CD1a + BCL2	121 ± 96	351 ± 633	48 ± 88	104 ± 198	81 ± 97
CD1a + CCR6	32 ± 21	57 ± 72	48 ± 55	92 ± 51	18 ± 18
CD1a + CD11a	163 ± 145	229 ± 622	112 ± 172	207 ± 365	110 ± 136
CD1a + CD11b	14 ± 13	44 ± 102	14 ± 27	65 ± 98	57 ± 106
CD1a + CD120a	185 ± 204	137 ± 159	158 ± 131	246 ± 206	153 ± 64
CD1a + CD120b	57 ± 48	120 ± 318	29 ± 27	230 ± 393	18 ± 30
CD1a + CD138	2252 ± 2131	936 ± 651	1019 ± 917	2030 ± 1708	709 ± 355
CD1a + CD15	17 ± 31	19 ± 27	1 ± 3	11 ± 14	11 ± 10
CD1a + CD2	175 ± 167	177 ± 495	86 ± 75	305 ± 430	125 ± 150
CD1a + CD207	1045 ± 806	925 ± 1018	933 ± 617	1417 ± 1172	571 ± 130
CD1a + CD24	13 ± 21	21 ± 41	2 ± 3	23 ± 38	8 ± 12
CD1a + CD28	163 ± 138	238 ± 661	45 ± 51	244 ± 423	83 ± 110
CD1a + CD29	265 ± 249	416 ± 531	224 ± 298	338 ± 422	228 ± 191
CD1a + CD3	154 ± 134	429 ± 1169	110 ± 104	320 ± 490	116 ± 147
CD1a + CD31	2 ± 2	24 ± 64	0 ± 0	26 ± 68	3 ± 7
CD1a + CD4	176 ± 163	366 ± 1002	116 ± 111	290 ± 455	102 ± 125
CD1a + CD44	832 ± 546	1180 ± 1915	828 ± 572	1846 ± 1421	605 ± 283
CD1a + CD45	404 ± 427	251 ± 622	214 ± 193	370 ± 389	120 ± 114
CD1a + CD45RA	45 ± 55	23 ± 39	6 ± 7	16 ± 33	13 ± 24
CD1a + CD45RO	165 ± 170	84 ± 225	123 ± 142	310 ± 562	71 ± 126
CD1a + CD52	77 ± 79	201 ± 537	34 ± 50	211 ± 332	71 ± 106
CD1a + CD54	316 ± 309	559 ± 1546	154 ± 145	223 ± 345	186 ± 350
CD1a + CD56	4 ± 5	7 ± 10	0 ± 0	3 ± 5	1 ± 2
CD1a + CD58	1230 ± 1263	1142 ± 1721	597 ± 839	1444 ± 1485	576 ± 351
CD1a + CD62E	0 ± 0	30 ± 80	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	3 ± 7	15 ± 33	0 ± 0	0 ± 0	0 ± 1
CD1a + CD68	106 ± 107	212 ± 172	61 ± 53	234 ± 191	288 ± 221
CD1a + CD7	121 ± 117	26 ± 63	120 ± 127	165 ± 207	95 ± 144
CD1a + CD8a	23 ± 14	39 ± 88	32 ± 44	72 ± 88	46 ± 70
CD1a + CK14	2306 ± 2177	976 ± 707	1456 ± 977	2384 ± 1881	879 ± 377
CD1a + CLA	379 ± 324	50 ± 90	239 ± 242	375 ± 477	131 ± 147
CD1a + c-myc	619 ± 1111	732 ± 692	25 ± 30	393 ± 437	396 ± 352
CD1a + Collagen IV	19 ± 24	59 ± 148	19 ± 37	19 ± 33	13 ± 22
CD1a + FXIIIA	4 ± 6	14 ± 26	1 ± 1	4 ± 6	2 ± 5
CD1a + HLA-DR	1879 ± 1622	1176 ± 2013	707 ± 604	1634 ± 1391	644 ± 288
CD1a + IL-22R	558 ± 552	464 ± 457	54 ± 42	670 ± 870	432 ± 260
CD1a + IL-23R	320 ± 307	447 ± 811	30 ± 37	357 ± 395	166 ± 235
CD1a + Ki67	41 ± 33	24 ± 30	23 ± 43	30 ± 40	32 ± 53
CD1a + PI	413 ± 279	564 ± 747	236 ± 215	757 ± 833	280 ± 172
CD1a + Podoplanin	47 ± 68	15 ± 29	43 ± 82	4 ± 9	18 ± 46
CD1a + SNA1	261 ± 245	440 ± 1001	111 ± 101	302 ± 413	62 ± 82
CD1a + STAT3	1338 ± 1513	816 ± 733	149 ± 205	732 ± 988	366 ± 372
CD1a + TIA1	13 ± 15	10 ± 12	7 ± 6	16 ± 18	3 ± 4
CD1a + Vimentin	797 ± 499	610 ± 882	559 ± 379	1150 ± 635	475 ± 334

Tabelle 11: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	922 ± 728	96 ± 164	99 ± 127	811 ± 1123	137 ± 143
CD2 + BCL2	2746 ± 2365	200 ± 267	3966 ± 3365	3400 ± 5702	644 ± 501
CD2 + CCR6	1071 ± 1155	53 ± 57	1949 ± 2171	1626 ± 1850	467 ± 624
CD2 + CD11a	15808 ± 9695	796 ± 541	15465 ± 8745	9809 ± 12731	5490 ± 5720
CD2 + CD11b	2363 ± 1832	369 ± 357	724 ± 492	5420 ± 5113	2708 ± 2544
CD2 + CD120a	36 ± 38	1 ± 2	58 ± 71	142 ± 238	44 ± 49
CD2 + CD120b	2135 ± 3303	101 ± 186	932 ± 343	5143 ± 9347	278 ± 504
CD2 + CD138	1521 ± 1857	1 ± 2	480 ± 247	237 ± 187	237 ± 340
CD2 + CD15	437 ± 427	14 ± 28	170 ± 185	51 ± 35	42 ± 71
CD2 + CD1a	175 ± 167	177 ± 495	86 ± 75	305 ± 430	125 ± 150
CD2 + CD207	492 ± 571	172 ± 464	358 ± 253	606 ± 674	330 ± 411
CD2 + CD24	115 ± 105	18 ± 16	135 ± 77	303 ± 274	99 ± 94
CD2 + CD28	12872 ± 9123	231 ± 468	8673 ± 6565	11493 ± 17466	3637 ± 4471
CD2 + CD29	3586 ± 2304	218 ± 194	1350 ± 690	1773 ± 1692	1016 ± 593
CD2 + CD3	16330 ± 11094	1153 ± 744	15665 ± 8685	16778 ± 20707	6077 ± 6414
CD2 + CD31	663 ± 509	93 ± 128	226 ± 202	1083 ± 1129	234 ± 165
CD2 + CD4	12842 ± 6551	645 ± 462	13215 ± 9867	14719 ± 19848	5849 ± 6352
CD2 + CD44	9317 ± 5647	935 ± 463	12499 ± 4388	9581 ± 5589	4757 ± 3902
CD2 + CD45	16428 ± 11335	501 ± 296	14584 ± 8659	10446 ± 12413	4047 ± 4436
CD2 + CD45RA	2655 ± 1221	169 ± 153	2710 ± 1980	2328 ± 3108	1153 ± 1153
CD2 + CD45RO	10155 ± 5304	257 ± 231	11140 ± 5904	12394 ± 18517	2527 ± 4152
CD2 + CD52	12076 ± 9397	315 ± 320	9910 ± 6969	10778 ± 17246	3275 ± 4713
CD2 + CD54	13773 ± 12455	545 ± 565	8694 ± 7303	6777 ± 8598	4003 ± 4154
CD2 + CD56	533 ± 374	38 ± 27	397 ± 239	266 ± 188	99 ± 70
CD2 + CD58	1330 ± 1805	225 ± 564	2436 ± 5391	4113 ± 7938	804 ± 945
CD2 + CD62E	308 ± 234	14 ± 25	47 ± 67	82 ± 96	37 ± 41
CD2 + CD62P	443 ± 428	35 ± 51	50 ± 91	222 ± 329	64 ± 69
CD2 + CD68	1424 ± 1013	79 ± 57	2467 ± 1756	1450 ± 1499	1222 ± 1820
CD2 + CD7	7648 ± 3592	336 ± 295	10497 ± 5417	8301 ± 10173	3018 ± 3289
CD2 + CD8a	3938 ± 1169	510 ± 304	4679 ± 2025	6749 ± 8767	2623 ± 2480
CD2 + CK14	1976 ± 2324	9 ± 15	1110 ± 624	440 ± 319	569 ± 651
CD2 + CLA	3826 ± 2242	287 ± 278	3390 ± 1136	2856 ± 1451	1637 ± 951
CD2 + c-myc	657 ± 294	43 ± 84	274 ± 287	90 ± 101	141 ± 175
CD2 + Collagen IV	1388 ± 1104	204 ± 140	1366 ± 572	1929 ± 1876	816 ± 627
CD2 + FXIIIA	310 ± 252	91 ± 65	1044 ± 894	1127 ± 999	344 ± 261
CD2 + HLA-DR	10287 ± 5253	997 ± 655	8364 ± 3069	8100 ± 5075	4928 ± 3958
CD2 + IL-22R	100 ± 91	1 ± 3	50 ± 80	79 ± 68	87 ± 103
CD2 + IL-23R	104 ± 168	9 ± 20	115 ± 164	165 ± 147	25 ± 32
CD2 + Ki67	54 ± 55	5 ± 10	56 ± 89	38 ± 45	28 ± 34
CD2 + PI	13585 ± 7987	731 ± 392	11538 ± 5983	11926 ± 11844	5481 ± 5511
CD2 + Podoplanin	912 ± 922	103 ± 176	719 ± 867	317 ± 366	285 ± 546
CD2 + SNA1	3746 ± 3425	514 ± 351	2260 ± 1096	1815 ± 1034	1010 ± 659
CD2 + STAT3	294 ± 269	6 ± 10	85 ± 138	60 ± 47	48 ± 67
CD2 + TIA1	1287 ± 679	81 ± 68	991 ± 447	1514 ± 1424	710 ± 877
CD2 + Vimentin	6845 ± 3344	589 ± 321	7709 ± 4326	4164 ± 1638	2721 ± 3456

Tabelle 12: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	16 ± 30	24 ± 59	1 ± 1	2 ± 3	1 ± 2
CD207 + BCL2	181 ± 138	443 ± 922	143 ± 154	158 ± 277	148 ± 193
CD207 + CCR6	97 ± 93	68 ± 96	72 ± 81	147 ± 64	33 ± 37
CD207 + CD11a	443 ± 536	213 ± 564	442 ± 431	414 ± 518	283 ± 318
CD207 + CD11b	77 ± 158	12 ± 21	50 ± 73	148 ± 123	120 ± 211
CD207 + CD120a	202 ± 147	150 ± 125	203 ± 141	260 ± 187	191 ± 109
CD207 + CD120b	155 ± 264	92 ± 253	78 ± 71	339 ± 557	38 ± 71
CD207 + CD138	1555 ± 698	1100 ± 620	1125 ± 347	1364 ± 548	748 ± 435
CD207 + CD15	17 ± 26	18 ± 40	14 ± 31	13 ± 18	16 ± 13
CD207 + CD1a	1045 ± 806	925 ± 1018	933 ± 617	1417 ± 1172	571 ± 130
CD207 + CD2	492 ± 571	172 ± 464	358 ± 253	606 ± 674	330 ± 411
CD207 + CD24	10 ± 16	1 ± 2	14 ± 20	21 ± 28	9 ± 12
CD207 + CD28	396 ± 503	219 ± 615	266 ± 258	515 ± 715	229 ± 298
CD207 + CD29	331 ± 271	344 ± 339	357 ± 244	343 ± 285	338 ± 350
CD207 + CD3	432 ± 587	386 ± 1047	485 ± 378	652 ± 690	314 ± 414
CD207 + CD31	10 ± 15	13 ± 33	9 ± 20	51 ± 127	3 ± 7
CD207 + CD4	430 ± 456	317 ± 872	434 ± 281	616 ± 696	350 ± 479
CD207 + CD44	865 ± 366	1091 ± 1016	1490 ± 464	1649 ± 662	861 ± 287
CD207 + CD45	725 ± 660	237 ± 578	573 ± 393	586 ± 479	266 ± 272
CD207 + CD45RA	90 ± 61	14 ± 17	39 ± 66	53 ± 51	22 ± 40
CD207 + CD45RO	326 ± 295	70 ± 192	433 ± 347	489 ± 752	151 ± 270
CD207 + CD52	360 ± 553	191 ± 524	361 ± 397	434 ± 500	223 ± 337
CD207 + CD54	761 ± 762	397 ± 1093	518 ± 425	372 ± 315	307 ± 483
CD207 + CD56	15 ± 27	3 ± 5	6 ± 9	4 ± 5	0 ± 1
CD207 + CD58	535 ± 508	808 ± 1178	339 ± 228	799 ± 808	559 ± 435
CD207 + CD62E	2 ± 4	20 ± 52	1 ± 2	0 ± 0	0 ± 0
CD207 + CD62P	9 ± 15	10 ± 28	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	188 ± 197	274 ± 156	98 ± 57	243 ± 161	357 ± 226
CD207 + CD7	191 ± 125	23 ± 61	394 ± 318	340 ± 283	179 ± 248
CD207 + CD8a	32 ± 44	35 ± 75	73 ± 55	168 ± 146	79 ± 120
CD207 + CK14	1539 ± 760	1330 ± 863	1980 ± 999	1782 ± 647	1112 ± 381
CD207 + CLA	684 ± 561	53 ± 82	602 ± 385	496 ± 447	226 ± 208
CD207 + c-myc	346 ± 474	1077 ± 968	48 ± 39	213 ± 179	430 ± 325
CD207 + Collagen IV	23 ± 18	37 ± 71	77 ± 61	37 ± 44	41 ± 86
CD207 + FXIIIA	21 ± 33	8 ± 15	15 ± 23	16 ± 16	4 ± 8
CD207 + HLA-DR	1753 ± 746	1160 ± 1234	1598 ± 832	1786 ± 758	1097 ± 252
CD207 + IL-22R	346 ± 187	501 ± 607	84 ± 60	424 ± 353	564 ± 405
CD207 + IL-23R	205 ± 182	145 ± 233	43 ± 43	274 ± 194	158 ± 228
CD207 + Ki67	70 ± 42	70 ± 54	49 ± 50	63 ± 70	48 ± 40
CD207 + PI	764 ± 354	748 ± 619	724 ± 379	1020 ± 584	661 ± 287
CD207 + Podoplanin	52 ± 34	4 ± 5	106 ± 120	4 ± 10	66 ± 169
CD207 + SNA1	313 ± 297	351 ± 679	263 ± 153	254 ± 196	66 ± 66
CD207 + STAT3	762 ± 670	801 ± 747	254 ± 386	404 ± 295	387 ± 473
CD207 + TIA1	29 ± 31	7 ± 10	27 ± 35	42 ± 42	17 ± 36
CD207 + Vimentin	997 ± 573	720 ± 562	1081 ± 427	1199 ± 283	722 ± 310

Tabelle 13: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	57 ± 66	33 ± 22	43 ± 54	33 ± 26	17 ± 24
CD24 + BCL2	7 ± 8	0 ± 1	15 ± 19	8 ± 10	4 ± 5
CD24 + CCR6	47 ± 57	20 ± 26	28 ± 29	48 ± 72	10 ± 3
CD24 + CD11a	505 ± 407	81 ± 122	692 ± 389	280 ± 240	303 ± 414
CD24 + CD11b	601 ± 538	154 ± 214	2910 ± 3802	644 ± 443	431 ± 391
CD24 + CD120a	7 ± 9	0 ± 0	58 ± 103	22 ± 45	13 ± 16
CD24 + CD120b	2579 ± 3001	1122 ± 647	1242 ± 766	2436 ± 1487	1698 ± 1200
CD24 + CD138	35 ± 65	12 ± 23	22 ± 24	79 ± 142	164 ± 398
CD24 + CD15	1086 ± 1166	274 ± 370	2402 ± 3276	411 ± 302	140 ± 168
CD24 + CD1a	13 ± 21	21 ± 41	2 ± 3	23 ± 38	8 ± 12
CD24 + CD2	115 ± 105	18 ± 16	135 ± 77	303 ± 274	99 ± 94
CD24 + CD207	10 ± 16	1 ± 2	14 ± 20	21 ± 28	9 ± 12
CD24 + CD28	352 ± 333	10 ± 9	295 ± 166	412 ± 326	229 ± 359
CD24 + CD29	1941 ± 1851	831 ± 698	1547 ± 650	1458 ± 844	1295 ± 700
CD24 + CD3	734 ± 714	364 ± 363	961 ± 394	1116 ± 707	448 ± 409
CD24 + CD31	36 ± 41	19 ± 19	277 ± 419	117 ± 176	36 ± 67
CD24 + CD4	263 ± 339	23 ± 18	282 ± 243	370 ± 329	194 ± 178
CD24 + CD44	3036 ± 3348	1685 ± 1066	2896 ± 763	3231 ± 1899	2744 ± 1875
CD24 + CD45	620 ± 602	62 ± 100	718 ± 656	379 ± 241	150 ± 147
CD24 + CD45RA	779 ± 598	73 ± 54	292 ± 171	647 ± 284	512 ± 264
CD24 + CD45RO	270 ± 285	15 ± 20	870 ± 1009	200 ± 226	27 ± 31
CD24 + CD52	398 ± 358	74 ± 127	640 ± 385	456 ± 459	291 ± 406
CD24 + CD54	1193 ± 1061	259 ± 231	953 ± 791	592 ± 393	691 ± 671
CD24 + CD56	51 ± 77	52 ± 60	40 ± 22	50 ± 45	56 ± 44
CD24 + CD58	46 ± 24	34 ± 34	153 ± 229	233 ± 441	139 ± 190
CD24 + CD62E	53 ± 68	5 ± 13	706 ± 1323	50 ± 96	0 ± 1
CD24 + CD62P	421 ± 943	69 ± 116	196 ± 264	51 ± 73	33 ± 53
CD24 + CD68	57 ± 51	8 ± 14	332 ± 310	48 ± 50	59 ± 48
CD24 + CD7	309 ± 383	57 ± 95	324 ± 185	346 ± 241	181 ± 281
CD24 + CD8a	100 ± 149	63 ± 48	187 ± 113	214 ± 111	143 ± 155
CD24 + CK14	53 ± 71	7 ± 12	131 ± 197	100 ± 149	146 ± 366
CD24 + CLA	281 ± 269	39 ± 38	1003 ± 1558	122 ± 40	55 ± 31
CD24 + c-myc	103 ± 97	28 ± 40	182 ± 172	16 ± 15	23 ± 39
CD24 + Collagen IV	298 ± 252	283 ± 204	911 ± 822	589 ± 323	378 ± 452
CD24 + FXIIIA	59 ± 68	41 ± 43	292 ± 405	59 ± 41	53 ± 55
CD24 + HLA-DR	2359 ± 2091	1158 ± 657	2173 ± 693	2416 ± 1776	1957 ± 1540
CD24 + IL-22R	6 ± 14	0 ± 0	4 ± 4	3 ± 4	18 ± 45
CD24 + IL-23R	54 ± 110	1 ± 1	275 ± 458	17 ± 31	4 ± 6
CD24 + Ki67	2 ± 4	0 ± 0	0 ± 0	19 ± 29	15 ± 39
CD24 + PI	1886 ± 2313	598 ± 373	1648 ± 1111	1566 ± 623	1157 ± 1122
CD24 + Podoplanin	170 ± 124	201 ± 294	83 ± 48	185 ± 174	177 ± 187
CD24 + SNA1	1188 ± 1094	670 ± 434	1467 ± 1246	984 ± 517	848 ± 623
CD24 + STAT3	200 ± 256	49 ± 90	364 ± 603	4 ± 4	7 ± 8
CD24 + TIA1	354 ± 487	39 ± 65	1867 ± 2332	43 ± 42	35 ± 33
CD24 + Vimentin	108 ± 121	98 ± 123	560 ± 822	295 ± 329	60 ± 68

Tabelle 14: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	893 ± 696	37 ± 57	124 ± 173	381 ± 501	166 ± 318
CD28 + BCL2	2044 ± 2237	96 ± 248	2434 ± 2489	2886 ± 5073	318 ± 300
CD28 + CCR6	887 ± 963	10 ± 8	1556 ± 1744	1198 ± 1728	329 ± 491
CD28 + CD11a	13563 ± 8912	270 ± 542	11465 ± 9011	8774 ± 12559	4039 ± 4342
CD28 + CD11b	1628 ± 1274	41 ± 40	458 ± 321	3603 ± 4670	1634 ± 1687
CD28 + CD120a	80 ± 125	6 ± 11	103 ± 157	143 ± 276	14 ± 17
CD28 + CD120b	2593 ± 3235	102 ± 240	1183 ± 534	5396 ± 9614	361 ± 514
CD28 + CD138	886 ± 1562	4 ± 5	72 ± 40	31 ± 52	32 ± 50
CD28 + CD15	337 ± 349	4 ± 4	157 ± 211	35 ± 37	16 ± 24
CD28 + CD1a	163 ± 138	238 ± 661	45 ± 51	244 ± 423	83 ± 110
CD28 + CD2	12872 ± 9123	231 ± 468	8673 ± 6565	11493 ± 17466	3637 ± 4471
CD28 + CD207	396 ± 503	219 ± 615	266 ± 258	515 ± 715	229 ± 298
CD28 + CD24	352 ± 333	10 ± 9	295 ± 166	412 ± 326	229 ± 359
CD28 + CD29	3343 ± 1943	39 ± 37	1062 ± 984	993 ± 749	793 ± 836
CD28 + CD3	14642 ± 9369	388 ± 811	12425 ± 9022	13555 ± 19137	4623 ± 4879
CD28 + CD31	700 ± 507	24 ± 42	246 ± 223	699 ± 871	207 ± 289
CD28 + CD4	12061 ± 5645	336 ± 720	10361 ± 8662	12911 ± 19165	4411 ± 5012
CD28 + CD44	8496 ± 4218	357 ± 747	9973 ± 6536	7168 ± 7025	3432 ± 3020
CD28 + CD45	13980 ± 9643	260 ± 534	11468 ± 8791	8793 ± 12767	3106 ± 3452
CD28 + CD45RA	2336 ± 986	19 ± 15	1779 ± 1750	1896 ± 3141	642 ± 727
CD28 + CD45RO	7809 ± 4665	103 ± 223	7625 ± 5365	10111 ± 16181	1759 ± 2951
CD28 + CD52	11089 ± 8683	196 ± 476	8950 ± 7506	9716 ± 16890	2956 ± 3916
CD28 + CD54	12301 ± 10499	330 ± 765	8040 ± 7966	5894 ± 8863	3315 ± 3441
CD28 + CD56	330 ± 193	6 ± 7	124 ± 114	150 ± 144	59 ± 50
CD28 + CD58	1217 ± 1549	278 ± 741	2620 ± 5531	4044 ± 7740	793 ± 1005
CD28 + CD62E	273 ± 209	19 ± 51	57 ± 67	58 ± 110	18 ± 33
CD28 + CD62P	408 ± 396	16 ± 28	69 ± 77	68 ± 87	51 ± 90
CD28 + CD68	999 ± 630	10 ± 10	1370 ± 1078	928 ± 1240	550 ± 894
CD28 + CD7	6627 ± 2945	73 ± 63	8331 ± 6399	6981 ± 10175	2509 ± 2679
CD28 + CD8a	2431 ± 1164	66 ± 91	2666 ± 2079	4765 ± 7751	1368 ± 1534
CD28 + CK14	1029 ± 1907	9 ± 9	137 ± 126	66 ± 80	76 ± 122
CD28 + CLA	2503 ± 1830	38 ± 66	1922 ± 1289	1510 ± 1438	647 ± 545
CD28 + c-myc	471 ± 307	7 ± 8	161 ± 132	40 ± 55	53 ± 98
CD28 + Collagen IV	1454 ± 1032	51 ± 73	1079 ± 766	1112 ± 750	806 ± 999
CD28 + FXIIIA	189 ± 111	10 ± 9	536 ± 582	634 ± 777	191 ± 239
CD28 + HLA-DR	9268 ± 4563	360 ± 794	7001 ± 4714	6318 ± 6177	3433 ± 3039
CD28 + IL-22R	56 ± 82	6 ± 11	39 ± 69	39 ± 67	18 ± 28
CD28 + IL-23R	114 ± 205	7 ± 18	89 ± 136	90 ± 138	5 ± 5
CD28 + Ki67	21 ± 27	3 ± 9	29 ± 64	12 ± 27	6 ± 8
CD28 + PI	10695 ± 6410	213 ± 437	7596 ± 6306	8659 ± 11057	3681 ± 3957
CD28 + Podoplanin	745 ± 750	22 ± 23	671 ± 707	319 ± 469	294 ± 664
CD28 + SNA1	3148 ± 2708	206 ± 465	1446 ± 881	1220 ± 830	720 ± 534
CD28 + STAT3	168 ± 199	5 ± 6	28 ± 51	7 ± 10	7 ± 9
CD28 + TIA1	847 ± 676	9 ± 12	551 ± 493	881 ± 1250	304 ± 383
CD28 + Vimentin	4549 ± 2006	190 ± 399	4108 ± 3197	2184 ± 1811	1309 ± 1954

Tabelle 15: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	9133 ± 3063	3268 ± 1226	6653 ± 4302	5721 ± 3127	5629 ± 3615
CD29 + BCL2	5000 ± 3416	766 ± 1142	2527 ± 2723	869 ± 622	1482 ± 1204
CD29 + CCR6	736 ± 664	366 ± 333	417 ± 364	418 ± 216	180 ± 78
CD29 + CD11a	3552 ± 2203	228 ± 238	1927 ± 1675	530 ± 318	1026 ± 776
CD29 + CD11b	1351 ± 703	499 ± 555	770 ± 631	1693 ± 1416	2153 ± 1552
CD29 + CD120a	98 ± 58	93 ± 112	87 ± 87	163 ± 264	118 ± 67
CD29 + CD120b	2370 ± 1458	670 ± 528	1143 ± 541	1393 ± 674	927 ± 472
CD29 + CD138	23520 ± 17199	4783 ± 3675	7508 ± 4631	5310 ± 2989	5167 ± 4709
CD29 + CD15	913 ± 1134	318 ± 353	279 ± 276	477 ± 395	239 ± 215
CD29 + CD1a	265 ± 249	416 ± 531	224 ± 298	338 ± 422	228 ± 191
CD29 + CD2	3586 ± 2304	218 ± 194	1350 ± 690	1773 ± 1692	1016 ± 593
CD29 + CD207	331 ± 271	344 ± 339	357 ± 244	343 ± 285	338 ± 350
CD29 + CD24	1941 ± 1851	831 ± 698	1547 ± 650	1458 ± 844	1295 ± 700
CD29 + CD28	3343 ± 1943	39 ± 37	1062 ± 984	993 ± 749	793 ± 836
CD29 + CD3	4262 ± 2331	994 ± 527	2693 ± 1303	2904 ± 1762	1806 ± 987
CD29 + CD31	8107 ± 2732	2322 ± 1168	7491 ± 3144	6390 ± 3012	5983 ± 3310
CD29 + CD4	5476 ± 4193	718 ± 726	1458 ± 546	3117 ± 2893	3539 ± 2482
CD29 + CD44	24336 ± 13693	5272 ± 3055	14234 ± 3029	10718 ± 2340	9148 ± 4411
CD29 + CD45	3861 ± 2803	164 ± 155	1892 ± 1197	836 ± 410	570 ± 289
CD29 + CD45RA	1784 ± 936	328 ± 193	584 ± 199	561 ± 419	740 ± 299
CD29 + CD45RO	1885 ± 1716	142 ± 160	1112 ± 933	520 ± 420	238 ± 232
CD29 + CD52	3069 ± 1562	166 ± 217	2189 ± 2292	1323 ± 1532	625 ± 791
CD29 + CD54	17800 ± 6095	2915 ± 1665	8982 ± 2592	6875 ± 3480	9092 ± 4513
CD29 + CD56	1398 ± 1382	1034 ± 689	744 ± 509	738 ± 689	895 ± 482
CD29 + CD58	9768 ± 12513	2464 ± 2924	3956 ± 4139	4388 ± 5878	5120 ± 3136
CD29 + CD62E	1876 ± 1288	65 ± 54	2309 ± 2346	782 ± 819	583 ± 443
CD29 + CD62P	3612 ± 2910	960 ± 662	3173 ± 1961	2371 ± 1166	2758 ± 1570
CD29 + CD68	4069 ± 3126	2161 ± 722	3264 ± 1929	3229 ± 1672	4601 ± 2641
CD29 + CD7	2452 ± 1939	318 ± 414	2077 ± 1231	908 ± 505	735 ± 700
CD29 + CD8a	818 ± 273	187 ± 129	514 ± 334	530 ± 294	459 ± 275
CD29 + CK14	31843 ± 19116	6771 ± 4178	16734 ± 8573	11620 ± 5645	11934 ± 10007
CD29 + CLA	1059 ± 490	115 ± 81	662 ± 466	530 ± 514	472 ± 365
CD29 + c-myc	12602 ± 3140	3440 ± 2301	6402 ± 4939	2345 ± 2142	5152 ± 5652
CD29 + Collagen IV	12620 ± 5448	3879 ± 1789	12043 ± 3754	8994 ± 5279	9232 ± 4995
CD29 + FXIIIA	550 ± 326	401 ± 217	805 ± 1028	621 ± 517	1173 ± 1357
CD29 + HLA-DR	20448 ± 8294	5090 ± 2009	8188 ± 5007	8532 ± 4793	10297 ± 3329
CD29 + IL-22R	841 ± 530	1021 ± 1446	253 ± 312	603 ± 652	2737 ± 2847
CD29 + IL-23R	887 ± 1223	1843 ± 3367	312 ± 403	652 ± 563	718 ± 1111
CD29 + Ki67	1435 ± 1218	243 ± 419	360 ± 461	315 ± 196	498 ± 605
CD29 + PI	20554 ± 6421	5130 ± 1776	11442 ± 4194	10952 ± 2866	10378 ± 6022
CD29 + Podoplanin	7368 ± 8752	1337 ± 1293	4452 ± 6357	369 ± 326	1362 ± 1960
CD29 + SNA1	26701 ± 14988	5623 ± 2163	13217 ± 4558	9139 ± 1875	10120 ± 3493
CD29 + STAT3	1780 ± 1602	4127 ± 4152	454 ± 691	512 ± 597	2002 ± 2959
CD29 + TIA1	554 ± 315	245 ± 188	478 ± 181	297 ± 273	204 ± 125
CD29 + Vimentin	13733 ± 2517	3520 ± 1436	9444 ± 3238	6957 ± 2212	6281 ± 3399

Tabelle 16: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	987 ± 706	590 ± 431	316 ± 342	1222 ± 1269	400 ± 424
CD3 + BCL2	2417 ± 2362	269 ± 406	4006 ± 3668	3377 ± 5651	558 ± 451
CD3 + CCR6	1213 ± 1346	93 ± 79	2260 ± 2403	1729 ± 1949	478 ± 651
CD3 + CD11a	18291 ± 11245	1420 ± 988	22141 ± 13433	10983 ± 13074	6838 ± 6032
CD3 + CD11b	2643 ± 2135	724 ± 715	1370 ± 1049	6638 ± 6400	3266 ± 2540
CD3 + CD120a	66 ± 89	4 ± 6	173 ± 245	240 ± 462	27 ± 31
CD3 + CD120b	3110 ± 3359	433 ± 343	1825 ± 572	6399 ± 10651	571 ± 645
CD3 + CD138	1126 ± 1412	28 ± 48	559 ± 392	204 ± 277	144 ± 299
CD3 + CD15	657 ± 644	79 ± 71	615 ± 731	151 ± 129	58 ± 58
CD3 + CD1a	154 ± 134	429 ± 1169	110 ± 104	320 ± 490	116 ± 147
CD3 + CD2	16330 ± 11094	1153 ± 744	15665 ± 8685	16778 ± 20707	6077 ± 6414
CD3 + CD207	432 ± 587	386 ± 1047	485 ± 378	652 ± 690	314 ± 414
CD3 + CD24	734 ± 714	364 ± 363	961 ± 394	1116 ± 707	448 ± 409
CD3 + CD28	14642 ± 9369	388 ± 811	12425 ± 9022	13555 ± 19137	4623 ± 4879
CD3 + CD29	4262 ± 2331	994 ± 527	2693 ± 1303	2904 ± 1762	1806 ± 987
CD3 + CD31	851 ± 903	409 ± 273	649 ± 607	1549 ± 1436	555 ± 431
CD3 + CD4	14682 ± 6919	1499 ± 1002	18387 ± 13763	18271 ± 23336	7648 ± 6695
CD3 + CD44	12821 ± 6858	3558 ± 1824	21510 ± 9776	15235 ± 10170	6750 ± 4256
CD3 + CD45	18483 ± 13343	959 ± 591	21093 ± 12976	11413 ± 12854	4703 ± 4592
CD3 + CD45RA	3247 ± 1353	307 ± 193	3539 ± 2619	2976 ± 3741	1396 ± 1369
CD3 + CD45RO	9655 ± 5284	321 ± 303	12755 ± 7052	13218 ± 19936	2340 ± 3904
CD3 + CD52	13621 ± 10946	834 ± 1034	14797 ± 10496	12882 ± 20642	4115 ± 5496
CD3 + CD54	15974 ± 14632	2188 ± 1795	13629 ± 11955	9473 ± 11618	5768 ± 4339
CD3 + CD56	494 ± 313	79 ± 55	371 ± 251	381 ± 330	146 ± 64
CD3 + CD58	1539 ± 2297	646 ± 1564	4265 ± 8633	5267 ± 9683	1218 ± 1237
CD3 + CD62E	356 ± 362	53 ± 76	162 ± 135	167 ± 207	47 ± 58
CD3 + CD62P	534 ± 618	162 ± 138	162 ± 130	315 ± 273	205 ± 226
CD3 + CD68	1236 ± 843	246 ± 141	2833 ± 1850	1758 ± 1813	1138 ± 1604
CD3 + CD7	8337 ± 3951	582 ± 616	14730 ± 8280	9608 ± 10871	3812 ± 3821
CD3 + CD8a	3963 ± 1743	1004 ± 375	5843 ± 3064	7549 ± 9471	2883 ± 2619
CD3 + CK14	1419 ± 1690	27 ± 30	1468 ± 1304	515 ± 657	414 ± 720
CD3 + CLA	3709 ± 2646	425 ± 299	4103 ± 1810	3066 ± 1689	1641 ± 972
CD3 + c-myc	732 ± 498	182 ± 196	727 ± 788	212 ± 262	140 ± 217
CD3 + Collagen IV	2012 ± 1768	1182 ± 645	3013 ± 1225	3156 ± 1673	1618 ± 1195
CD3 + FXIIIA	356 ± 216	240 ± 193	1228 ± 912	1426 ± 1343	334 ± 241
CD3 + HLA-DR	13582 ± 7282	3466 ± 1702	14260 ± 6763	12946 ± 8976	6930 ± 4237
CD3 + IL-22R	63 ± 80	3 ± 5	86 ± 119	75 ± 94	63 ± 86
CD3 + IL-23R	118 ± 218	35 ± 84	187 ± 273	132 ± 134	10 ± 15
CD3 + Ki67	48 ± 46	7 ± 15	77 ± 149	27 ± 38	31 ± 52
CD3 + PI	15669 ± 9685	2136 ± 835	16694 ± 9783	15502 ± 13917	7086 ± 6114
CD3 + Podoplanin	1196 ± 1154	377 ± 754	1965 ± 2170	600 ± 789	515 ± 1015
CD3 + SNA1	4728 ± 4062	1879 ± 1042	3614 ± 1663	3078 ± 1249	1691 ± 771
CD3 + STAT3	206 ± 199	38 ± 59	88 ± 146	33 ± 30	13 ± 13
CD3 + TIA1	1365 ± 761	136 ± 100	1330 ± 722	1578 ± 1530	724 ± 901
CD3 + Vimentin	6916 ± 3583	1554 ± 1048	9206 ± 5463	5287 ± 2705	2711 ± 3544

Tabelle 17: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	5639 ± 2373	2005 ± 1232	4548 ± 2997	5244 ± 3769	3719 ± 2332
CD31 + BCL2	270 ± 258	20 ± 34	852 ± 1359	205 ± 358	66 ± 47
CD31 + CCR6	55 ± 69	31 ± 69	21 ± 22	37 ± 44	11 ± 10
CD31 + CD11a	376 ± 374	76 ± 84	382 ± 485	186 ± 285	160 ± 214
CD31 + CD11b	395 ± 378	178 ± 318	690 ± 1192	505 ± 383	634 ± 901
CD31 + CD120a	9 ± 11	1 ± 2	16 ± 24	5 ± 9	5 ± 8
CD31 + CD120b	46 ± 53	26 ± 27	51 ± 80	221 ± 342	19 ± 15
CD31 + CD138	12 ± 14	81 ± 193	30 ± 59	9 ± 17	2 ± 4
CD31 + CD15	84 ± 78	38 ± 73	289 ± 628	101 ± 148	40 ± 65
CD31 + CD1a	2 ± 2	24 ± 64	0 ± 0	26 ± 68	3 ± 7
CD31 + CD2	663 ± 509	93 ± 128	226 ± 202	1083 ± 1129	234 ± 165
CD31 + CD207	10 ± 15	13 ± 33	9 ± 20	51 ± 127	3 ± 7
CD31 + CD24	36 ± 41	19 ± 19	277 ± 419	117 ± 176	36 ± 67
CD31 + CD28	700 ± 507	24 ± 42	246 ± 223	699 ± 871	207 ± 289
CD31 + CD29	8107 ± 2732	2322 ± 1168	7491 ± 3144	6390 ± 3012	5983 ± 3310
CD31 + CD3	851 ± 903	409 ± 273	649 ± 607	1549 ± 1436	555 ± 431
CD31 + CD4	2434 ± 2447	543 ± 617	662 ± 523	2632 ± 2293	2091 ± 1432
CD31 + CD44	1412 ± 1987	875 ± 590	1061 ± 823	1592 ± 1108	1056 ± 660
CD31 + CD45	366 ± 384	33 ± 36	283 ± 409	238 ± 249	52 ± 48
CD31 + CD45RA	180 ± 186	118 ± 124	110 ± 68	137 ± 83	89 ± 75
CD31 + CD45RO	92 ± 102	7 ± 8	87 ± 99	288 ± 439	12 ± 15
CD31 + CD52	972 ± 676	85 ± 141	861 ± 937	1147 ± 1910	195 ± 259
CD31 + CD54	8357 ± 3573	2133 ± 1223	7520 ± 2207	6891 ± 4691	5923 ± 3932
CD31 + CD56	42 ± 56	52 ± 124	25 ± 22	47 ± 56	32 ± 58
CD31 + CD58	1431 ± 976	845 ± 1027	1715 ± 1871	2744 ± 4361	1801 ± 1230
CD31 + CD62E	1747 ± 1341	61 ± 93	2347 ± 2216	1180 ± 1505	583 ± 477
CD31 + CD62P	3127 ± 2325	866 ± 600	3277 ± 1826	3115 ± 1833	2718 ± 1775
CD31 + CD68	2207 ± 2248	1033 ± 671	2206 ± 1467	2290 ± 1412	2350 ± 1238
CD31 + CD7	441 ± 616	187 ± 235	401 ± 392	327 ± 240	209 ± 280
CD31 + CD8a	53 ± 65	51 ± 56	72 ± 92	161 ± 134	45 ± 38
CD31 + CK14	41 ± 56	75 ± 182	29 ± 38	9 ± 12	13 ± 14
CD31 + CLA	47 ± 49	12 ± 12	129 ± 192	78 ± 81	23 ± 20
CD31 + c-myc	2718 ± 4056	532 ± 664	2060 ± 2913	36 ± 81	705 ± 1696
CD31 + Collagen IV	5183 ± 3005	1870 ± 1032	6962 ± 2612	5918 ± 2444	4365 ± 2652
CD31 + FXIIIA	46 ± 38	86 ± 95	357 ± 650	321 ± 304	527 ± 867
CD31 + HLA-DR	4168 ± 1325	1752 ± 771	3213 ± 1662	3844 ± 2423	4163 ± 2785
CD31 + IL-22R	0 ± 1	7 ± 18	10 ± 25	18 ± 33	8 ± 13
CD31 + IL-23R	136 ± 214	123 ± 346	73 ± 93	255 ± 324	33 ± 43
CD31 + Ki67	6 ± 12	1 ± 2	10 ± 18	8 ± 21	2 ± 3
CD31 + PI	4637 ± 1737	1396 ± 661	4074 ± 1569	5150 ± 3329	3586 ± 1915
CD31 + Podoplanin	382 ± 579	231 ± 191	576 ± 842	442 ± 667	136 ± 117
CD31 + SNA1	7558 ± 3700	2652 ± 1264	7576 ± 2272	6457 ± 2522	5492 ± 3431
CD31 + STAT3	49 ± 78	126 ± 201	41 ± 78	25 ± 55	63 ± 121
CD31 + TIA1	240 ± 296	118 ± 126	277 ± 142	166 ± 128	95 ± 95
CD31 + Vimentin	4874 ± 1804	1165 ± 490	5679 ± 2355	3761 ± 715	2807 ± 2076

Tabelle 18: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	2205 ± 1574	600 ± 634	366 ± 385	1968 ± 2352	1573 ± 1545
CD4 + BCL2	2123 ± 1810	175 ± 303	3169 ± 2791	3254 ± 5598	563 ± 364
CD4 + CCR6	919 ± 914	40 ± 31	1910 ± 2296	1536 ± 1837	435 ± 582
CD4 + CD11a	14678 ± 6840	753 ± 567	18036 ± 13947	9745 ± 13053	6178 ± 5979
CD4 + CD11b	2789 ± 2214	652 ± 820	894 ± 458	6142 ± 5688	4745 ± 2735
CD4 + CD120a	181 ± 328	4 ± 5	224 ± 320	204 ± 377	28 ± 23
CD4 + CD120b	2440 ± 3029	129 ± 256	1185 ± 442	5543 ± 9991	357 ± 527
CD4 + CD138	608 ± 1286	4 ± 5	80 ± 94	35 ± 41	38 ± 55
CD4 + CD15	548 ± 571	28 ± 66	277 ± 313	68 ± 93	54 ± 65
CD4 + CD1a	176 ± 163	366 ± 1002	116 ± 111	290 ± 455	102 ± 125
CD4 + CD2	12842 ± 6551	645 ± 462	13215 ± 9867	14719 ± 19848	5849 ± 6352
CD4 + CD207	430 ± 456	317 ± 872	434 ± 281	616 ± 696	350 ± 479
CD4 + CD24	263 ± 339	23 ± 18	282 ± 243	370 ± 329	194 ± 178
CD4 + CD28	12061 ± 5645	336 ± 720	10361 ± 8662	12911 ± 19165	4411 ± 5012
CD4 + CD29	5476 ± 4193	718 ± 726	1458 ± 546	3117 ± 2893	3539 ± 2482
CD4 + CD3	14682 ± 6919	1499 ± 1002	18387 ± 13763	18271 ± 23336	7648 ± 6695
CD4 + CD31	2434 ± 2447	543 ± 617	662 ± 523	2632 ± 2293	2091 ± 1432
CD4 + CD44	11673 ± 8922	1750 ± 1113	15140 ± 6958	11220 ± 7662	7370 ± 3909
CD4 + CD45	14584 ± 7438	601 ± 550	17267 ± 13912	10214 ± 13019	4286 ± 4354
CD4 + CD45RA	3067 ± 1512	127 ± 140	3324 ± 3128	2280 ± 3441	1151 ± 1156
CD4 + CD45RO	8664 ± 4934	207 ± 223	10130 ± 6064	11988 ± 18580	2387 ± 4079
CD4 + CD52	10743 ± 5430	383 ± 562	11093 ± 9347	11567 ± 19288	3830 ± 5325
CD4 + CD54	16636 ± 10796	1588 ± 1444	13142 ± 11407	9608 ± 10370	8542 ± 5179
CD4 + CD56	725 ± 648	85 ± 151	393 ± 352	358 ± 322	343 ± 223
CD4 + CD58	1544 ± 1932	572 ± 1164	3872 ± 8527	5194 ± 9180	1729 ± 1516
CD4 + CD62E	671 ± 540	41 ± 69	129 ± 122	233 ± 235	286 ± 308
CD4 + CD62P	1071 ± 1014	199 ± 256	149 ± 211	799 ± 1070	1000 ± 845
CD4 + CD68	2187 ± 1522	330 ± 286	2965 ± 1928	2269 ± 1895	2232 ± 1893
CD4 + CD7	6998 ± 4147	262 ± 214	10762 ± 7293	7923 ± 10497	3119 ± 3143
CD4 + CD8a	2056 ± 844	274 ± 294	3065 ± 2577	5111 ± 8287	1760 ± 1874
CD4 + CK14	831 ± 1723	4 ± 5	341 ± 573	56 ± 54	180 ± 260
CD4 + CLA	2968 ± 1585	130 ± 93	3088 ± 1231	2107 ± 1494	1315 ± 855
CD4 + c-myc	1076 ± 1369	88 ± 127	597 ± 754	55 ± 78	320 ± 635
CD4 + Collagen IV	3907 ± 4209	855 ± 904	2460 ± 1249	3468 ± 3052	3353 ± 2327
CD4 + FXIIIA	582 ± 665	285 ± 305	1172 ± 1183	1500 ± 1160	1168 ± 1055
CD4 + HLA-DR	12533 ± 6206	1952 ± 1273	10776 ± 4029	10553 ± 6979	9223 ± 4685
CD4 + IL-22R	27 ± 39	1 ± 4	59 ± 121	48 ± 77	32 ± 36
CD4 + IL-23R	226 ± 426	36 ± 83	223 ± 326	223 ± 235	27 ± 28
CD4 + Ki67	38 ± 53	3 ± 6	37 ± 74	28 ± 40	23 ± 34
CD4 + PI	12749 ± 6210	1126 ± 817	12213 ± 8939	12696 ± 12685	8073 ± 5904
CD4 + Podoplanin	1053 ± 1570	161 ± 259	1182 ± 1483	403 ± 505	670 ± 1218
CD4 + SNA1	6904 ± 7440	1280 ± 1020	2999 ± 1352	3339 ± 2078	3755 ± 2128
CD4 + STAT3	125 ± 128	10 ± 11	45 ± 104	13 ± 16	15 ± 11
CD4 + TIA1	962 ± 562	35 ± 30	695 ± 407	1028 ± 1394	460 ± 658
CD4 + Vimentin	7317 ± 4754	1049 ± 711	7701 ± 5869	4587 ± 2489	3706 ± 3482

Tabelle 19: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1731 ± 2193	1520 ± 1225	971 ± 922	1955 ± 1744	1069 ± 638
CD44 + BCL2	4210 ± 2884	927 ± 1218	4824 ± 4219	1843 ± 1889	1936 ± 2001
CD44 + CCR6	1653 ± 1605	297 ± 215	2234 ± 1946	2163 ± 1121	635 ± 630
CD44 + CD11a	13983 ± 6535	1427 ± 848	21013 ± 8699	6787 ± 4778	6109 ± 4075
CD44 + CD11b	4099 ± 2152	1798 ± 1057	3047 ± 1681	9921 ± 3019	7690 ± 2849
CD44 + CD120a	319 ± 291	144 ± 175	543 ± 547	619 ± 362	266 ± 94
CD44 + CD120b	4410 ± 2537	1430 ± 763	2795 ± 970	5429 ± 4697	1979 ± 1160
CD44 + CD138	34774 ± 24818	5855 ± 3417	26262 ± 5220	18269 ± 14566	9648 ± 9952
CD44 + CD15	1139 ± 999	370 ± 378	1202 ± 1499	654 ± 587	315 ± 216
CD44 + CD1a	832 ± 546	1180 ± 1915	828 ± 572	1846 ± 1421	605 ± 283
CD44 + CD2	9317 ± 5647	935 ± 463	12499 ± 4388	9581 ± 5589	4757 ± 3902
CD44 + CD207	865 ± 366	1091 ± 1016	1490 ± 464	1649 ± 662	861 ± 287
CD44 + CD24	3036 ± 3348	1685 ± 1066	2896 ± 763	3231 ± 1899	2744 ± 1875
CD44 + CD28	8496 ± 4218	357 ± 747	9973 ± 6536	7168 ± 7025	3432 ± 3020
CD44 + CD29	24336 ± 13693	5272 ± 3055	14234 ± 3029	10718 ± 2340	9148 ± 4411
CD44 + CD3	12821 ± 6858	3558 ± 1824	21510 ± 9776	15235 ± 10170	6750 ± 4256
CD44 + CD31	1412 ± 1987	875 ± 590	1061 ± 823	1592 ± 1108	1056 ± 660
CD44 + CD4	11673 ± 8922	1750 ± 1113	15140 ± 6958	11220 ± 7662	7370 ± 3909
CD44 + CD45	14663 ± 7945	1009 ± 594	18725 ± 7825	7883 ± 3961	4064 ± 3150
CD44 + CD45RA	4873 ± 2542	587 ± 191	4523 ± 1332	3109 ± 1372	2691 ± 1482
CD44 + CD45RO	6412 ± 4029	344 ± 311	10852 ± 5583	6946 ± 7061	1691 ± 2313
CD44 + CD52	8061 ± 4919	958 ± 1316	13303 ± 8764	7078 ± 7109	3439 ± 3931
CD44 + CD54	23738 ± 14116	4947 ± 4098	16162 ± 9227	10258 ± 6407	10461 ± 6134
CD44 + CD56	1119 ± 1032	879 ± 329	954 ± 257	1112 ± 664	843 ± 407
CD44 + CD58	15517 ± 21184	3069 ± 4628	8649 ± 9321	8188 ± 10801	6269 ± 6811
CD44 + CD62E	356 ± 455	45 ± 47	315 ± 363	130 ± 110	85 ± 67
CD44 + CD62P	1071 ± 1558	477 ± 382	429 ± 496	717 ± 572	559 ± 268
CD44 + CD68	2639 ± 2045	1616 ± 840	4516 ± 916	3289 ± 775	3271 ± 2324
CD44 + CD7	6754 ± 4067	624 ± 549	13465 ± 6349	6653 ± 3707	3323 ± 2871
CD44 + CD8a	3138 ± 1164	946 ± 275	5332 ± 2252	4405 ± 2271	2693 ± 1752
CD44 + CK14	41679 ± 25593	7054 ± 4728	41469 ± 7840	25612 ± 15861	16138 ± 16700
CD44 + CLA	3741 ± 1631	563 ± 271	5218 ± 1781	3480 ± 903	2200 ± 1004
CD44 + c-myc	6872 ± 3331	4243 ± 2732	3331 ± 2399	3089 ± 1815	4646 ± 3343
CD44 + Collagen IV	6586 ± 5694	4558 ± 2595	8143 ± 3164	8586 ± 5726	5140 ± 2335
CD44 + FXIIIA	2116 ± 1915	1993 ± 1062	3921 ± 1719	4143 ± 1644	2892 ± 1818
CD44 + HLA-DR	43452 ± 14974	16628 ± 6854	36017 ± 12378	36028 ± 18157	26836 ± 8192
CD44 + IL-22R	2783 ± 1382	1495 ± 1201	1489 ± 1768	2770 ± 1631	5155 ± 3633
CD44 + IL-23R	1346 ± 1541	2494 ± 4398	546 ± 754	1455 ± 1121	712 ± 868
CD44 + Ki67	1667 ± 1075	253 ± 266	1191 ± 1271	969 ± 1204	606 ± 812
CD44 + PI	25167 ± 10829	7185 ± 2453	27673 ± 8636	24083 ± 6764	14635 ± 4733
CD44 + Podoplanin	9306 ± 9678	2272 ± 2064	6942 ± 9290	1233 ± 867	2806 ± 2866
CD44 + SNA1	21751 ± 17973	8639 ± 5100	10594 ± 3083	8745 ± 1924	6983 ± 1976
CD44 + STAT3	5483 ± 4705	4048 ± 3761	1356 ± 2263	3356 ± 2108	2213 ± 1533
CD44 + TIA1	1288 ± 583	186 ± 111	1541 ± 798	1104 ± 461	704 ± 639
CD44 + Vimentin	18291 ± 6934	11153 ± 5214	21708 ± 5021	21228 ± 6354	12538 ± 4468

Tabelle 20: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	553 ± 332	59 ± 53	77 ± 91	189 ± 217	31 ± 38
CD45 + BCL2	2538 ± 2454	150 ± 210	3475 ± 2866	2748 ± 4585	389 ± 378
CD45 + CCR6	1258 ± 1354	50 ± 37	2107 ± 2264	1307 ± 1421	401 ± 544
CD45 + CD11a	19588 ± 11244	736 ± 468	21716 ± 13493	8752 ± 10958	4548 ± 4486
CD45 + CD11b	3614 ± 2559	308 ± 280	1479 ± 1006	4290 ± 3820	2080 ± 1870
CD45 + CD120a	184 ± 185	14 ± 18	349 ± 498	203 ± 255	41 ± 46
CD45 + CD120b	2847 ± 3265	155 ± 235	1526 ± 720	4702 ± 8202	297 ± 453
CD45 + CD138	1502 ± 2369	16 ± 14	440 ± 370	217 ± 383	70 ± 93
CD45 + CD15	594 ± 574	13 ± 24	578 ± 799	72 ± 128	22 ± 25
CD45 + CD1a	404 ± 427	251 ± 622	214 ± 193	370 ± 389	120 ± 114
CD45 + CD2	16428 ± 11335	501 ± 296	14584 ± 8659	10446 ± 12413	4047 ± 4436
CD45 + CD207	725 ± 660	237 ± 578	573 ± 393	586 ± 479	266 ± 272
CD45 + CD24	620 ± 602	62 ± 100	718 ± 656	379 ± 241	150 ± 147
CD45 + CD28	13980 ± 9643	260 ± 534	11468 ± 8791	8793 ± 12767	3106 ± 3452
CD45 + CD29	3861 ± 2803	164 ± 155	1892 ± 1197	836 ± 410	570 ± 289
CD45 + CD3	18483 ± 13343	959 ± 591	21093 ± 12976	11413 ± 12854	4703 ± 4592
CD45 + CD31	366 ± 384	33 ± 36	283 ± 409	238 ± 249	52 ± 48
CD45 + CD4	14584 ± 7438	601 ± 550	17267 ± 13912	10214 ± 13019	4286 ± 4354
CD45 + CD44	14663 ± 7945	1009 ± 594	18725 ± 7825	7883 ± 3961	4064 ± 3150
CD45 + CD45RA	3995 ± 1632	144 ± 80	3992 ± 2831	2106 ± 2690	987 ± 931
CD45 + CD45RO	10646 ± 5910	192 ± 198	12409 ± 6528	8912 ± 12497	1941 ± 3072
CD45 + CD52	13080 ± 10952	398 ± 501	13628 ± 9965	8439 ± 12775	2808 ± 3764
CD45 + CD54	18082 ± 15146	649 ± 653	13122 ± 11277	5471 ± 6780	3221 ± 3240
CD45 + CD56	441 ± 278	14 ± 7	302 ± 194	145 ± 131	55 ± 31
CD45 + CD58	1428 ± 1539	285 ± 676	4385 ± 8545	3527 ± 6534	674 ± 700
CD45 + CD62E	127 ± 101	8 ± 17	49 ± 36	22 ± 25	2 ± 5
CD45 + CD62P	220 ± 217	14 ± 13	45 ± 26	29 ± 53	7 ± 8
CD45 + CD68	1680 ± 1378	60 ± 38	2833 ± 1685	848 ± 897	658 ± 1120
CD45 + CD7	8286 ± 4116	264 ± 268	13157 ± 7719	7526 ± 8911	2629 ± 2744
CD45 + CD8a	4058 ± 1056	374 ± 185	5540 ± 2919	5358 ± 7186	1953 ± 1873
CD45 + CK14	1929 ± 2869	17 ± 16	1134 ± 1205	218 ± 304	151 ± 213
CD45 + CLA	4171 ± 2608	163 ± 90	3871 ± 1498	1949 ± 861	992 ± 590
CD45 + c-myc	793 ± 538	16 ± 13	641 ± 897	42 ± 46	66 ± 96
CD45 + Collagen IV	1617 ± 1680	147 ± 85	2034 ± 1012	871 ± 508	415 ± 370
CD45 + FXIIIA	503 ± 354	76 ± 64	1146 ± 929	651 ± 556	175 ± 107
CD45 + HLA-DR	15713 ± 6692	944 ± 590	13229 ± 5579	6647 ± 3344	3825 ± 2852
CD45 + IL-22R	141 ± 147	7 ± 12	88 ± 120	99 ± 104	54 ± 68
CD45 + IL-23R	174 ± 208	12 ± 21	249 ± 391	119 ± 101	19 ± 18
CD45 + Ki67	64 ± 82	4 ± 6	45 ± 79	34 ± 40	10 ± 13
CD45 + PI	15649 ± 9365	568 ± 284	14392 ± 9035	8194 ± 7263	3718 ± 3646
CD45 + Podoplanin	1039 ± 1129	123 ± 239	1277 ± 1673	193 ± 250	223 ± 398
CD45 + SNA1	5167 ± 5480	460 ± 369	2905 ± 1351	1193 ± 735	689 ± 488
CD45 + STAT3	408 ± 463	11 ± 10	66 ± 103	72 ± 117	17 ± 17
CD45 + TIA1	1285 ± 699	68 ± 59	1250 ± 708	1220 ± 1200	525 ± 620
CD45 + Vimentin	7521 ± 4092	491 ± 349	7975 ± 4545	2630 ± 1316	1584 ± 2105

Tabelle 21: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	340 ± 344	213 ± 174	103 ± 91	122 ± 109	125 ± 128
CD45RA + BCL2	608 ± 532	45 ± 32	789 ± 712	765 ± 1416	160 ± 129
CD45RA + CCR6	533 ± 499	252 ± 320	528 ± 474	442 ± 366	258 ± 168
CD45RA + CD11a	4172 ± 1389	279 ± 207	4526 ± 2736	2130 ± 2787	1521 ± 1516
CD45RA + CD11b	636 ± 288	261 ± 272	309 ± 163	1513 ± 1201	1314 ± 1008
CD45RA + CD120a	36 ± 55	0 ± 0	16 ± 25	38 ± 71	8 ± 14
CD45RA + CD120b	1164 ± 684	74 ± 63	379 ± 175	1569 ± 2413	438 ± 350
CD45RA + CD138	263 ± 329	123 ± 215	109 ± 107	26 ± 21	126 ± 158
CD45RA + CD15	192 ± 158	64 ± 121	97 ± 82	59 ± 38	48 ± 44
CD45RA + CD1a	45 ± 55	23 ± 39	6 ± 7	16 ± 33	13 ± 24
CD45RA + CD2	2655 ± 1221	169 ± 153	2710 ± 1980	2328 ± 3108	1153 ± 1153
CD45RA + CD207	90 ± 61	14 ± 17	39 ± 66	53 ± 51	22 ± 40
CD45RA + CD24	779 ± 598	73 ± 54	292 ± 171	647 ± 284	512 ± 264
CD45RA + CD28	2336 ± 986	19 ± 15	1779 ± 1750	1896 ± 3141	642 ± 727
CD45RA + CD29	1784 ± 936	328 ± 193	584 ± 199	561 ± 419	740 ± 299
CD45RA + CD3	3247 ± 1353	307 ± 193	3539 ± 2619	2976 ± 3741	1396 ± 1369
CD45RA + CD31	180 ± 186	118 ± 124	110 ± 68	137 ± 83	89 ± 75
CD45RA + CD4	3067 ± 1512	127 ± 140	3324 ± 3128	2280 ± 3441	1151 ± 1156
CD45RA + CD44	4873 ± 2542	587 ± 191	4523 ± 1332	3109 ± 1372	2691 ± 1482
CD45RA + CD45	3995 ± 1632	144 ± 80	3992 ± 2831	2106 ± 2690	987 ± 931
CD45RA + CD45RO	1215 ± 546	120 ± 181	1533 ± 1074	1612 ± 2922	307 ± 415
CD45RA + CD52	2605 ± 1253	133 ± 173	2647 ± 2279	2077 ± 3371	874 ± 1208
CD45RA + CD54	4587 ± 2663	298 ± 257	2803 ± 2618	1681 ± 2236	1287 ± 1110
CD45RA + CD56	427 ± 315	281 ± 262	272 ± 176	194 ± 148	322 ± 190
CD45RA + CD58	467 ± 518	147 ± 131	943 ± 1990	1026 ± 2055	302 ± 369
CD45RA + CD62E	39 ± 33	14 ± 24	56 ± 64	23 ± 25	11 ± 12
CD45RA + CD62P	118 ± 146	44 ± 27	73 ± 75	76 ± 70	52 ± 30
CD45RA + CD68	611 ± 387	132 ± 110	1167 ± 707	333 ± 224	528 ± 585
CD45RA + CD7	2075 ± 1058	256 ± 236	2715 ± 1831	1979 ± 2426	1084 ± 1061
CD45RA + CD8a	953 ± 356	157 ± 115	1173 ± 671	1598 ± 2052	842 ± 766
CD45RA + CK14	282 ± 312	15 ± 26	186 ± 230	33 ± 24	213 ± 378
CD45RA + CLA	1799 ± 798	152 ± 117	1639 ± 525	811 ± 373	618 ± 423
CD45RA + c-myc	385 ± 363	212 ± 351	295 ± 355	47 ± 20	155 ± 206
CD45RA + Collagen IV	791 ± 835	175 ± 117	555 ± 127	445 ± 373	473 ± 555
CD45RA + FXIIIA	286 ± 333	294 ± 268	409 ± 275	269 ± 150	354 ± 138
CD45RA + HLA-DR	5360 ± 2004	755 ± 250	3431 ± 911	2657 ± 1300	2694 ± 1486
CD45RA + IL-22R	7 ± 11	0 ± 1	16 ± 29	9 ± 19	22 ± 54
CD45RA + IL-23R	24 ± 38	25 ± 54	37 ± 32	18 ± 15	17 ± 17
CD45RA + Ki67	10 ± 20	1 ± 1	16 ± 27	6 ± 12	16 ± 36
CD45RA + PI	4413 ± 1680	431 ± 209	3738 ± 1658	2626 ± 2126	2016 ± 1652
CD45RA + Podoplanin	600 ± 611	357 ± 333	335 ± 328	150 ± 124	293 ± 187
CD45RA + SNA1	2002 ± 1830	458 ± 196	724 ± 323	535 ± 142	725 ± 262
CD45RA + STAT3	206 ± 308	208 ± 300	114 ± 128	22 ± 33	112 ± 180
CD45RA + TIA1	619 ± 292	244 ± 200	397 ± 118	612 ± 473	470 ± 415
CD45RA + Vimentin	1900 ± 992	405 ± 242	1806 ± 838	674 ± 85	876 ± 1048

Tabelle 22: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	262 ± 378	96 ± 175	119 ± 137	121 ± 167	60 ± 133
CD45RO + BCL2	1695 ± 1664	77 ± 130	3149 ± 2990	2992 ± 5236	203 ± 253
CD45RO + CCR6	851 ± 739	117 ± 190	1657 ± 1647	1266 ± 1798	278 ± 414
CD45RO + CD11a	10271 ± 5102	219 ± 219	12457 ± 7023	8569 ± 12698	2256 ± 3724
CD45RO + CD11b	2226 ± 1694	93 ± 73	1804 ± 1517	4387 ± 5847	1070 ± 1770
CD45RO + CD120a	78 ± 101	4 ± 7	191 ± 245	212 ± 413	19 ± 41
CD45RO + CD120b	1667 ± 2453	45 ± 89	923 ± 343	4837 ± 9055	177 ± 412
CD45RO + CD138	1066 ± 1578	119 ± 206	374 ± 242	177 ± 298	115 ± 172
CD45RO + CD15	660 ± 687	48 ± 98	849 ± 1017	41 ± 49	15 ± 16
CD45RO + CD1a	165 ± 170	84 ± 225	123 ± 142	310 ± 562	71 ± 126
CD45RO + CD2	10155 ± 5304	257 ± 231	11140 ± 5904	12394 ± 18517	2527 ± 4152
CD45RO + CD207	326 ± 295	70 ± 192	433 ± 347	489 ± 752	151 ± 270
CD45RO + CD24	270 ± 285	15 ± 20	870 ± 1009	200 ± 226	27 ± 31
CD45RO + CD28	7809 ± 4665	103 ± 223	7625 ± 5365	10111 ± 16181	1759 ± 2951
CD45RO + CD29	1885 ± 1716	142 ± 160	1112 ± 933	520 ± 420	238 ± 232
CD45RO + CD3	9655 ± 5284	321 ± 303	12755 ± 7052	13218 ± 19936	2340 ± 3904
CD45RO + CD31	92 ± 102	7 ± 8	87 ± 99	288 ± 439	12 ± 15
CD45RO + CD4	8664 ± 4934	207 ± 223	10130 ± 6064	11988 ± 18580	2387 ± 4079
CD45RO + CD44	6412 ± 4029	344 ± 311	10852 ± 5583	6946 ± 7061	1691 ± 2313
CD45RO + CD45	10646 ± 5910	192 ± 198	12409 ± 6528	8912 ± 12497	1941 ± 3072
CD45RO + CD45RA	1215 ± 546	120 ± 181	1533 ± 1074	1612 ± 2922	307 ± 415
CD45RO + CD52	6576 ± 4310	155 ± 195	8919 ± 6908	8903 ± 15803	1458 ± 2617
CD45RO + CD54	7876 ± 6382	164 ± 282	7177 ± 5824	5094 ± 8531	1463 ± 2304
CD45RO + CD56	330 ± 311	168 ± 233	297 ± 234	145 ± 126	106 ± 162
CD45RO + CD58	816 ± 989	145 ± 256	1772 ± 3507	3592 ± 6804	332 ± 534
CD45RO + CD62E	67 ± 102	11 ± 23	288 ± 424	53 ± 69	4 ± 6
CD45RO + CD62P	75 ± 93	17 ± 21	106 ± 144	37 ± 34	15 ± 20
CD45RO + CD68	998 ± 920	67 ± 70	2076 ± 1157	1078 ± 1530	499 ± 1026
CD45RO + CD7	5045 ± 2770	71 ± 58	8134 ± 5084	6715 ± 10153	1248 ± 2003
CD45RO + CD8a	2016 ± 709	82 ± 57	3046 ± 1942	4921 ± 8332	761 ± 1200
CD45RO + CK14	1202 ± 1867	15 ± 19	703 ± 431	351 ± 499	108 ± 237
CD45RO + CLA	2282 ± 1370	57 ± 59	2854 ± 1575	1616 ± 1574	412 ± 589
CD45RO + c-myc	433 ± 409	137 ± 229	326 ± 245	90 ± 131	69 ± 95
CD45RO + Collagen IV	724 ± 764	38 ± 24	1054 ± 634	579 ± 375	170 ± 260
CD45RO + FXIIIA	362 ± 324	182 ± 221	1082 ± 749	772 ± 921	158 ± 102
CD45RO + HLA-DR	7108 ± 3125	408 ± 323	8039 ± 4922	6102 ± 6293	1704 ± 2313
CD45RO + IL-22R	61 ± 77	3 ± 6	34 ± 35	46 ± 60	15 ± 34
CD45RO + IL-23R	201 ± 306	19 ± 34	458 ± 667	137 ± 165	38 ± 50
CD45RO + Ki67	46 ± 74	1 ± 2	52 ± 88	22 ± 33	8 ± 19
CD45RO + PI	8139 ± 3934	210 ± 196	9478 ± 6317	8757 ± 11601	1980 ± 3149
CD45RO + Podoplanin	555 ± 602	142 ± 201	499 ± 430	235 ± 309	199 ± 317
CD45RO + SNA1	3365 ± 3612	286 ± 246	2359 ± 1589	1069 ± 884	372 ± 445
CD45RO + STAT3	488 ± 514	157 ± 246	466 ± 494	33 ± 36	84 ± 171
CD45RO + TIA1	840 ± 539	95 ± 144	1235 ± 920	1019 ± 1402	293 ± 381
CD45RO + Vimentin	4481 ± 2731	320 ± 276	5752 ± 3125	2607 ± 2102	1054 ± 1959

Tabelle 23: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	1335 ± 919	147 ± 248	490 ± 872	711 ± 1231	151 ± 241
CD52 + BCL2	1917 ± 2172	132 ± 193	2897 ± 2940	2763 ± 5045	276 ± 359
CD52 + CCR6	918 ± 1112	87 ± 141	1789 ± 1924	1290 ± 1703	383 ± 561
CD52 + CD11a	12666 ± 9578	399 ± 460	14038 ± 10981	7801 ± 12071	3661 ± 4721
CD52 + CD11b	1928 ± 1754	131 ± 152	913 ± 747	3577 ± 5074	1619 ± 2320
CD52 + CD120a	59 ± 92	2 ± 4	79 ± 137	165 ± 377	8 ± 11
CD52 + CD120b	2260 ± 3228	162 ± 233	1108 ± 581	4946 ± 9424	383 ± 569
CD52 + CD138	204 ± 212	66 ± 120	414 ± 844	33 ± 35	22 ± 25
CD52 + CD15	503 ± 546	63 ± 91	373 ± 501	61 ± 35	22 ± 31
CD52 + CD1a	77 ± 79	201 ± 537	34 ± 50	211 ± 332	71 ± 106
CD52 + CD2	12076 ± 9397	315 ± 320	9910 ± 6969	10778 ± 17246	3275 ± 4713
CD52 + CD207	360 ± 553	191 ± 524	361 ± 397	434 ± 500	223 ± 337
CD52 + CD24	398 ± 358	74 ± 127	640 ± 385	456 ± 459	291 ± 406
CD52 + CD28	11089 ± 8683	196 ± 476	8950 ± 7506	9716 ± 16890	2956 ± 3916
CD52 + CD29	3069 ± 1562	166 ± 217	2189 ± 2292	1323 ± 1532	625 ± 791
CD52 + CD3	13621 ± 10946	834 ± 1034	14797 ± 10496	12882 ± 20642	4115 ± 5496
CD52 + CD31	972 ± 676	85 ± 141	861 ± 937	1147 ± 1910	195 ± 259
CD52 + CD4	10743 ± 5430	383 ± 562	11093 ± 9347	11567 ± 19288	3830 ± 5325
CD52 + CD44	8061 ± 4919	958 ± 1316	13303 ± 8764	7078 ± 7109	3439 ± 3931
CD52 + CD45	13080 ± 10952	398 ± 501	13628 ± 9965	8439 ± 12775	2808 ± 3764
CD52 + CD45RA	2605 ± 1253	133 ± 173	2647 ± 2279	2077 ± 3371	874 ± 1208
CD52 + CD45RO	6576 ± 4310	155 ± 195	8919 ± 6908	8903 ± 15803	1458 ± 2617
CD52 + CD54	12506 ± 12712	519 ± 754	9719 ± 9852	6406 ± 10590	3048 ± 3639
CD52 + CD56	454 ± 249	60 ± 139	255 ± 144	149 ± 176	66 ± 68
CD52 + CD58	1018 ± 1341	269 ± 594	3896 ± 6874	4383 ± 9049	746 ± 998
CD52 + CD62E	519 ± 290	21 ± 34	414 ± 741	325 ± 640	41 ± 63
CD52 + CD62P	832 ± 603	38 ± 49	451 ± 700	384 ± 643	71 ± 94
CD52 + CD68	1053 ± 889	60 ± 102	2056 ± 1708	873 ± 1232	692 ± 1279
CD52 + CD7	5432 ± 2584	106 ± 89	9138 ± 7630	6560 ± 10329	2316 ± 2916
CD52 + CD8a	2877 ± 1115	262 ± 283	3870 ± 2414	5123 ± 8396	1559 ± 2081
CD52 + CK14	226 ± 197	25 ± 35	873 ± 2171	35 ± 36	28 ± 35
CD52 + CLA	2715 ± 2159	168 ± 168	2733 ± 1975	1685 ± 1265	742 ± 809
CD52 + c-myc	491 ± 564	89 ± 181	605 ± 892	16 ± 19	83 ± 198
CD52 + Collagen IV	1493 ± 917	228 ± 423	2244 ± 1966	1224 ± 1098	823 ± 1138
CD52 + FXIIIA	299 ± 157	132 ± 290	943 ± 763	671 ± 852	202 ± 222
CD52 + HLA-DR	9475 ± 6325	847 ± 1167	9908 ± 7603	6093 ± 6089	3423 ± 4048
CD52 + IL-22R	45 ± 65	16 ± 40	73 ± 125	47 ± 74	9 ± 11
CD52 + IL-23R	126 ± 169	12 ± 22	114 ± 160	94 ± 174	4 ± 7
CD52 + Ki67	17 ± 18	2 ± 4	49 ± 101	18 ± 26	2 ± 3
CD52 + PI	10151 ± 7310	454 ± 555	10357 ± 8948	7962 ± 10850	3662 ± 4772
CD52 + Podoplanin	869 ± 595	103 ± 134	1633 ± 2229	329 ± 511	361 ± 904
CD52 + SNA1	2607 ± 1153	562 ± 875	2283 ± 1197	1197 ± 1045	732 ± 761
CD52 + STAT3	156 ± 248	60 ± 127	89 ± 83	21 ± 37	9 ± 10
CD52 + TIA1	1099 ± 661	55 ± 106	955 ± 747	973 ± 1316	407 ± 685
CD52 + Vimentin	4162 ± 2169	548 ± 835	5338 ± 3751	1932 ± 1215	1276 ± 2393

Tabelle 24: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	8104 ± 2978	2440 ± 1328	4995 ± 3396	5053 ± 3530	4798 ± 3026
CD54 + BCL2	2900 ± 2613	226 ± 472	2862 ± 2164	1804 ± 3147	473 ± 389
CD54 + CCR6	1342 ± 1593	44 ± 31	1612 ± 1906	998 ± 1322	353 ± 473
CD54 + CD11a	16271 ± 12668	856 ± 903	13882 ± 11674	4913 ± 6496	4731 ± 4213
CD54 + CD11b	4544 ± 3569	813 ± 785	1997 ± 1718	5066 ± 4930	5035 ± 3354
CD54 + CD120a	300 ± 445	6 ± 12	410 ± 543	213 ± 433	69 ± 133
CD54 + CD120b	3417 ± 3378	346 ± 413	1117 ± 582	3633 ± 6407	628 ± 508
CD54 + CD138	2799 ± 4161	11 ± 11	406 ± 451	96 ± 117	453 ± 1124
CD54 + CD15	1090 ± 839	85 ± 129	785 ± 1128	182 ± 144	133 ± 162
CD54 + CD1a	316 ± 309	559 ± 1546	154 ± 145	223 ± 345	186 ± 350
CD54 + CD2	13773 ± 12455	545 ± 565	8694 ± 7303	6777 ± 8598	4003 ± 4154
CD54 + CD207	761 ± 762	397 ± 1093	518 ± 425	372 ± 315	307 ± 483
CD54 + CD24	1193 ± 1061	259 ± 231	953 ± 791	592 ± 393	691 ± 671
CD54 + CD28	12301 ± 10499	330 ± 765	8040 ± 7966	5894 ± 8863	3315 ± 3441
CD54 + CD29	17800 ± 6095	2915 ± 1665	8982 ± 2592	6875 ± 3480	9092 ± 4513
CD54 + CD3	15974 ± 14632	2188 ± 1795	13629 ± 11955	9473 ± 11618	5768 ± 4339
CD54 + CD31	8357 ± 3573	2133 ± 1223	7520 ± 2207	6891 ± 4691	5923 ± 3932
CD54 + CD4	16636 ± 10796	1588 ± 1444	13142 ± 11407	9608 ± 10370	8542 ± 5179
CD54 + CD44	23738 ± 14116	4947 ± 4098	16162 ± 9227	10258 ± 6407	10461 ± 6134
CD54 + CD45	18082 ± 15146	649 ± 653	13122 ± 11277	5471 ± 6780	3221 ± 3240
CD54 + CD45RA	4587 ± 2663	298 ± 257	2803 ± 2618	1681 ± 2236	1287 ± 1110
CD54 + CD45RO	7876 ± 6382	164 ± 282	7177 ± 5824	5094 ± 8531	1463 ± 2304
CD54 + CD52	12506 ± 12712	519 ± 754	9719 ± 9852	6406 ± 10590	3048 ± 3639
CD54 + CD56	981 ± 660	81 ± 65	409 ± 370	239 ± 187	372 ± 336
CD54 + CD58	3150 ± 2888	1657 ± 2673	5362 ± 9387	5297 ± 9226	3083 ± 2332
CD54 + CD62E	2101 ± 1473	82 ± 127	2617 ± 2355	1100 ± 1418	610 ± 496
CD54 + CD62P	3748 ± 2546	919 ± 625	3719 ± 2118	3030 ± 1708	2872 ± 1754
CD54 + CD68	5212 ± 2557	1110 ± 771	4430 ± 1327	2755 ± 1615	3383 ± 2601
CD54 + CD7	6963 ± 4836	482 ± 629	8666 ± 7468	4509 ± 5671	2727 ± 2753
CD54 + CD8a	2641 ± 1464	461 ± 308	2651 ± 2343	2899 ± 4097	1693 ± 1470
CD54 + CK14	4593 ± 7580	11 ± 24	1137 ± 1869	302 ± 549	814 ± 2111
CD54 + CLA	3979 ± 2876	209 ± 161	2657 ± 1835	1311 ± 929	1001 ± 613
CD54 + c-myc	5123 ± 5571	688 ± 1001	2865 ± 3139	111 ± 131	1287 ± 2740
CD54 + Collagen IV	11377 ± 5966	3075 ± 1364	9530 ± 2666	6573 ± 3564	7857 ± 4805
CD54 + FXIIIA	1258 ± 897	355 ± 347	1486 ± 908	1254 ± 864	1423 ± 1400
CD54 + HLA-DR	30132 ± 12385	5791 ± 4135	14657 ± 5945	11060 ± 5890	14010 ± 8408
CD54 + IL-22R	125 ± 180	14 ± 31	75 ± 123	40 ± 72	109 ± 261
CD54 + IL-23R	476 ± 783	200 ± 561	428 ± 595	257 ± 229	68 ± 101
CD54 + Ki67	98 ± 176	3 ± 7	31 ± 38	31 ± 60	87 ± 182
CD54 + PI	23136 ± 12178	2818 ± 1404	12796 ± 7917	9991 ± 7214	9945 ± 6069
CD54 + Podoplanin	3429 ± 3279	461 ± 665	1906 ± 2547	267 ± 308	932 ± 1199
CD54 + SNA1	19423 ± 10913	4731 ± 2617	10370 ± 2633	7096 ± 2715	8501 ± 4689
CD54 + STAT3	503 ± 608	70 ± 80	106 ± 181	23 ± 45	76 ± 131
CD54 + TIA1	1456 ± 938	159 ± 163	1186 ± 586	765 ± 677	519 ± 573
CD54 + Vimentin	17718 ± 6772	3200 ± 2331	12221 ± 5303	6412 ± 1635	6523 ± 5372

Tabelle 25: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	628 ± 786	405 ± 629	134 ± 128	90 ± 141	153 ± 206
CD56 + BCL2	104 ± 48	30 ± 54	156 ± 134	58 ± 82	34 ± 29
CD56 + CCR6	360 ± 410	295 ± 369	271 ± 277	197 ± 214	131 ± 121
CD56 + CD11a	477 ± 279	29 ± 28	447 ± 219	110 ± 97	110 ± 64
CD56 + CD11b	183 ± 101	109 ± 118	93 ± 67	406 ± 236	417 ± 204
CD56 + CD120a	4 ± 5	1 ± 2	23 ± 38	4 ± 8	2 ± 2
CD56 + CD120b	65 ± 48	31 ± 35	27 ± 14	73 ± 57	33 ± 23
CD56 + CD138	186 ± 261	541 ± 752	132 ± 151	39 ± 39	120 ± 134
CD56 + CD15	65 ± 87	65 ± 140	44 ± 51	18 ± 32	14 ± 23
CD56 + CD1a	4 ± 5	7 ± 10	0 ± 0	3 ± 5	1 ± 2
CD56 + CD2	533 ± 374	38 ± 27	397 ± 239	266 ± 188	99 ± 70
CD56 + CD207	15 ± 27	3 ± 5	6 ± 9	4 ± 5	0 ± 1
CD56 + CD24	51 ± 77	52 ± 60	40 ± 22	50 ± 45	56 ± 44
CD56 + CD28	330 ± 193	6 ± 7	124 ± 114	150 ± 144	59 ± 50
CD56 + CD29	1398 ± 1382	1034 ± 689	744 ± 509	738 ± 689	895 ± 482
CD56 + CD3	494 ± 313	79 ± 55	371 ± 251	381 ± 330	146 ± 64
CD56 + CD31	42 ± 56	52 ± 124	25 ± 22	47 ± 56	32 ± 58
CD56 + CD4	725 ± 648	85 ± 151	393 ± 352	358 ± 322	343 ± 223
CD56 + CD44	1119 ± 1032	879 ± 329	954 ± 257	1112 ± 664	843 ± 407
CD56 + CD45	441 ± 278	14 ± 7	302 ± 194	145 ± 131	55 ± 31
CD56 + CD45RA	427 ± 315	281 ± 262	272 ± 176	194 ± 148	322 ± 190
CD56 + CD45RO	330 ± 311	168 ± 233	297 ± 234	145 ± 126	106 ± 162
CD56 + CD52	454 ± 249	60 ± 139	255 ± 144	149 ± 176	66 ± 68
CD56 + CD54	981 ± 660	81 ± 65	409 ± 370	239 ± 187	372 ± 336
CD56 + CD58	263 ± 293	226 ± 272	329 ± 476	339 ± 380	280 ± 263
CD56 + CD62E	2 ± 4	9 ± 24	4 ± 5	0 ± 0	3 ± 6
CD56 + CD62P	18 ± 37	19 ± 32	9 ± 9	3 ± 8	20 ± 21
CD56 + CD68	607 ± 586	231 ± 131	512 ± 297	354 ± 166	480 ± 266
CD56 + CD7	338 ± 217	20 ± 27	396 ± 245	130 ± 97	94 ± 69
CD56 + CD8a	107 ± 98	23 ± 22	63 ± 34	63 ± 55	67 ± 49
CD56 + CK14	104 ± 90	419 ± 474	126 ± 112	37 ± 40	88 ± 61
CD56 + CLA	116 ± 33	22 ± 13	118 ± 61	54 ± 33	59 ± 36
CD56 + c-myc	475 ± 632	702 ± 1054	349 ± 262	71 ± 66	146 ± 164
CD56 + Collagen IV	1243 ± 872	1187 ± 434	1581 ± 281	1727 ± 1274	1277 ± 790
CD56 + FXIIIA	600 ± 543	702 ± 319	592 ± 405	506 ± 349	631 ± 412
CD56 + HLA-DR	1522 ± 575	952 ± 246	1159 ± 541	1262 ± 822	1242 ± 409
CD56 + IL-22R	1 ± 1	0 ± 1	2 ± 3	5 ± 11	7 ± 13
CD56 + IL-23R	36 ± 36	43 ± 86	44 ± 30	24 ± 17	18 ± 20
CD56 + Ki67	14 ± 21	3 ± 4	15 ± 18	4 ± 7	4 ± 4
CD56 + PI	1083 ± 822	562 ± 328	933 ± 342	821 ± 319	579 ± 256
CD56 + Podoplanin	325 ± 371	776 ± 666	162 ± 137	117 ± 105	283 ± 213
CD56 + SNA1	1069 ± 856	849 ± 327	767 ± 206	710 ± 205	792 ± 309
CD56 + STAT3	265 ± 403	699 ± 904	235 ± 253	37 ± 41	133 ± 215
CD56 + TIA1	204 ± 145	139 ± 210	97 ± 73	69 ± 73	93 ± 83
CD56 + Vimentin	1171 ± 696	995 ± 546	1068 ± 426	890 ± 393	624 ± 292

Tabelle 26: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	1481 ± 910	1028 ± 1200	753 ± 449	1470 ± 2339	1313 ± 913
CD58 + BCL2	2807 ± 4574	1465 ± 3062	934 ± 1354	1546 ± 2975	1162 ± 1544
CD58 + CCR6	231 ± 143	208 ± 262	693 ± 1128	666 ± 1050	141 ± 154
CD58 + CD11a	1510 ± 2160	310 ± 744	3826 ± 8370	3215 ± 5880	977 ± 1171
CD58 + CD11b	172 ± 165	108 ± 161	289 ± 510	1763 ± 3216	769 ± 845
CD58 + CD120a	143 ± 134	106 ± 156	211 ± 245	280 ± 313	151 ± 136
CD58 + CD120b	386 ± 656	145 ± 300	409 ± 616	2857 ± 5694	148 ± 199
CD58 + CD138	26895 ± 32955	3417 ± 3914	7156 ± 6424	5979 ± 8687	7277 ± 7374
CD58 + CD15	57 ± 46	48 ± 84	145 ± 243	23 ± 31	39 ± 31
CD58 + CD1a	1230 ± 1263	1142 ± 1721	597 ± 839	1444 ± 1485	576 ± 351
CD58 + CD2	1330 ± 1805	225 ± 564	2436 ± 5391	4113 ± 7938	804 ± 945
CD58 + CD207	535 ± 508	808 ± 1178	339 ± 228	799 ± 808	559 ± 435
CD58 + CD24	46 ± 24	34 ± 34	153 ± 229	233 ± 441	139 ± 190
CD58 + CD28	1217 ± 1549	278 ± 741	2620 ± 5531	4044 ± 7740	793 ± 1005
CD58 + CD29	9768 ± 12513	2464 ± 2924	3956 ± 4139	4388 ± 5878	5120 ± 3136
CD58 + CD3	1539 ± 2297	646 ± 1564	4265 ± 8633	5267 ± 9683	1218 ± 1237
CD58 + CD31	1431 ± 976	845 ± 1027	1715 ± 1871	2744 ± 4361	1801 ± 1230
CD58 + CD4	1544 ± 1932	572 ± 1164	3872 ± 8527	5194 ± 9180	1729 ± 1516
CD58 + CD44	15517 ± 21184	3069 ± 4628	8649 ± 9321	8188 ± 10801	6269 ± 6811
CD58 + CD45	1428 ± 1539	285 ± 676	4385 ± 8545	3527 ± 6534	674 ± 700
CD58 + CD45RA	467 ± 518	147 ± 131	943 ± 1990	1026 ± 2055	302 ± 369
CD58 + CD45RO	816 ± 989	145 ± 256	1772 ± 3507	3592 ± 6804	332 ± 534
CD58 + CD52	1018 ± 1341	269 ± 594	3896 ± 6874	4383 ± 9049	746 ± 998
CD58 + CD54	3150 ± 2888	1657 ± 2673	5362 ± 9387	5297 ± 9226	3083 ± 2332
CD58 + CD56	263 ± 293	226 ± 272	329 ± 476	339 ± 380	280 ± 263
CD58 + CD62E	251 ± 301	55 ± 113	243 ± 218	411 ± 685	207 ± 223
CD58 + CD62P	306 ± 342	337 ± 528	420 ± 280	596 ± 731	763 ± 562
CD58 + CD68	759 ± 755	527 ± 572	1013 ± 958	1065 ± 1094	1373 ± 779
CD58 + CD7	878 ± 1005	130 ± 158	2630 ± 5129	2766 ± 5281	763 ± 1011
CD58 + CD8a	519 ± 706	101 ± 172	820 ± 1737	1956 ± 3819	430 ± 625
CD58 + CK14	27838 ± 32854	3203 ± 3843	10520 ± 9260	8646 ± 11948	9966 ± 12455
CD58 + CLA	346 ± 251	76 ± 103	526 ± 837	754 ± 997	431 ± 469
CD58 + c-myc	5773 ± 6434	2227 ± 3364	2095 ± 2416	1276 ± 990	4054 ± 2636
CD58 + Collagen IV	2700 ± 3154	878 ± 1289	2937 ± 3604	1885 ± 2067	2107 ± 1869
CD58 + FXIIIA	91 ± 109	116 ± 131	343 ± 615	265 ± 416	311 ± 570
CD58 + HLA-DR	11882 ± 15701	2371 ± 3531	3986 ± 5024	5663 ± 7127	4786 ± 4135
CD58 + IL-22R	3372 ± 2686	1540 ± 2286	410 ± 271	1081 ± 1329	4085 ± 3616
CD58 + IL-23R	2119 ± 2484	1993 ± 3677	301 ± 458	715 ± 841	1247 ± 1630
CD58 + Ki67	963 ± 1591	59 ± 84	72 ± 139	30 ± 40	254 ± 517
CD58 + PI	6918 ± 9060	2181 ± 2586	4846 ± 8138	6669 ± 9936	4142 ± 3177
CD58 + Podoplanin	3881 ± 7752	172 ± 171	3545 ± 6115	402 ± 774	703 ± 1650
CD58 + SNA1	7067 ± 10248	1588 ± 2350	2468 ± 2745	2400 ± 2846	2355 ± 1535
CD58 + STAT3	9254 ± 10130	3364 ± 4183	820 ± 1395	1189 ± 1609	3535 ± 4879
CD58 + TIA1	200 ± 172	130 ± 124	175 ± 247	388 ± 651	131 ± 158
CD58 + Vimentin	3173 ± 3372	1200 ± 1664	3427 ± 4790	2426 ± 2501	2179 ± 2465

Tabelle 27: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	1425 ± 1174	69 ± 116	1633 ± 1837	767 ± 957	436 ± 391
CD62E + BCL2	85 ± 99	5 ± 6	493 ± 921	6 ± 7	20 ± 25
CD62E + CCR6	26 ± 38	9 ± 26	5 ± 10	7 ± 7	3 ± 4
CD62E + CD11a	148 ± 102	6 ± 12	92 ± 104	16 ± 22	18 ± 39
CD62E + CD11b	316 ± 369	19 ± 22	852 ± 1320	120 ± 134	128 ± 210
CD62E + CD120a	4 ± 5	0 ± 1	4 ± 5	6 ± 13	1 ± 1
CD62E + CD120b	14 ± 12	8 ± 13	11 ± 16	19 ± 31	1 ± 1
CD62E + CD138	25 ± 26	24 ± 50	35 ± 71	11 ± 14	14 ± 14
CD62E + CD15	123 ± 194	12 ± 20	580 ± 1236	98 ± 159	13 ± 11
CD62E + CD1a	0 ± 0	30 ± 80	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	308 ± 234	14 ± 25	47 ± 67	82 ± 96	37 ± 41
CD62E + CD207	2 ± 4	20 ± 52	1 ± 2	0 ± 0	0 ± 0
CD62E + CD24	53 ± 68	5 ± 13	706 ± 1323	50 ± 96	0 ± 1
CD62E + CD28	273 ± 209	19 ± 51	57 ± 67	58 ± 110	18 ± 33
CD62E + CD29	1876 ± 1288	65 ± 54	2309 ± 2346	782 ± 819	583 ± 443
CD62E + CD3	356 ± 362	53 ± 76	162 ± 135	167 ± 207	47 ± 58
CD62E + CD31	1747 ± 1341	61 ± 93	2347 ± 2216	1180 ± 1505	583 ± 477
CD62E + CD4	671 ± 540	41 ± 69	129 ± 122	233 ± 235	286 ± 308
CD62E + CD44	356 ± 455	45 ± 47	315 ± 363	130 ± 110	85 ± 67
CD62E + CD45	127 ± 101	8 ± 17	49 ± 36	22 ± 25	2 ± 5
CD62E + CD45RA	39 ± 33	14 ± 24	56 ± 64	23 ± 25	11 ± 12
CD62E + CD45RO	67 ± 102	11 ± 23	288 ± 424	53 ± 69	4 ± 6
CD62E + CD52	519 ± 290	21 ± 34	414 ± 741	325 ± 640	41 ± 63
CD62E + CD54	2101 ± 1473	82 ± 127	2617 ± 2355	1100 ± 1418	610 ± 496
CD62E + CD56	2 ± 4	9 ± 24	4 ± 5	0 ± 0	3 ± 6
CD62E + CD58	251 ± 301	55 ± 113	243 ± 218	411 ± 685	207 ± 223
CD62E + CD62P	1732 ± 1431	61 ± 67	2251 ± 1983	1068 ± 1245	614 ± 488
CD62E + CD68	734 ± 959	39 ± 37	942 ± 959	451 ± 501	346 ± 285
CD62E + CD7	160 ± 224	5 ± 6	136 ± 225	36 ± 30	30 ± 67
CD62E + CD8a	15 ± 17	5 ± 7	16 ± 14	22 ± 33	1 ± 1
CD62E + CK14	31 ± 57	11 ± 26	27 ± 58	4 ± 6	9 ± 15
CD62E + CLA	39 ± 52	1 ± 2	476 ± 1129	9 ± 15	1 ± 2
CD62E + c-myc	722 ± 1338	38 ± 57	1125 ± 1847	22 ± 52	112 ± 267
CD62E + Collagen IV	891 ± 639	57 ± 107	1680 ± 1429	450 ± 442	270 ± 277
CD62E + FXIIIA	20 ± 23	9 ± 25	245 ± 518	40 ± 53	66 ± 151
CD62E + HLA-DR	1181 ± 571	86 ± 110	1256 ± 1136	444 ± 346	411 ± 331
CD62E + IL-22R	1 ± 2	7 ± 15	0 ± 1	5 ± 5	4 ± 6
CD62E + IL-23R	91 ± 148	18 ± 32	125 ± 141	113 ± 214	10 ± 8
CD62E + Ki67	0 ± 0	0 ± 0	2 ± 5	4 ± 5	1 ± 1
CD62E + PI	1138 ± 723	50 ± 49	1879 ± 1509	608 ± 550	394 ± 299
CD62E + Podoplanin	25 ± 50	19 ± 28	2 ± 3	1 ± 2	0 ± 0
CD62E + SNA1	1737 ± 1503	96 ± 130	2314 ± 2053	621 ± 650	469 ± 365
CD62E + STAT3	48 ± 54	25 ± 46	159 ± 294	20 ± 39	22 ± 34
CD62E + TIA1	181 ± 143	21 ± 31	691 ± 1176	91 ± 123	17 ± 38
CD62E + Vimentin	1107 ± 893	58 ± 55	1668 ± 1485	392 ± 300	340 ± 324

Tabelle 28: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	2929 ± 2194	854 ± 620	2495 ± 1959	2586 ± 1841	2140 ± 1404
CD62P + BCL2	104 ± 98	4 ± 6	443 ± 827	5 ± 9	42 ± 48
CD62P + CCR6	50 ± 76	13 ± 26	7 ± 10	14 ± 22	16 ± 15
CD62P + CD11a	222 ± 228	27 ± 12	92 ± 99	13 ± 13	42 ± 70
CD62P + CD11b	274 ± 302	56 ± 89	348 ± 384	134 ± 91	262 ± 417
CD62P + CD120a	4 ± 6	1 ± 1	1 ± 1	0 ± 0	2 ± 5
CD62P + CD120b	382 ± 882	65 ± 88	27 ± 35	21 ± 19	19 ± 24
CD62P + CD138	54 ± 78	25 ± 48	37 ± 57	16 ± 27	32 ± 39
CD62P + CD15	491 ± 1029	85 ± 131	135 ± 250	99 ± 127	47 ± 27
CD62P + CD1a	3 ± 7	15 ± 33	0 ± 0	0 ± 0	0 ± 1
CD62P + CD2	443 ± 428	35 ± 51	50 ± 91	222 ± 329	64 ± 69
CD62P + CD207	9 ± 15	10 ± 28	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	421 ± 943	69 ± 116	196 ± 264	51 ± 73	33 ± 53
CD62P + CD28	408 ± 396	16 ± 28	69 ± 77	68 ± 87	51 ± 90
CD62P + CD29	3612 ± 2910	960 ± 662	3173 ± 1961	2371 ± 1166	2758 ± 1570
CD62P + CD3	534 ± 618	162 ± 138	162 ± 130	315 ± 273	205 ± 226
CD62P + CD31	3127 ± 2325	866 ± 600	3277 ± 1826	3115 ± 1833	2718 ± 1775
CD62P + CD4	1071 ± 1014	199 ± 256	149 ± 211	799 ± 1070	1000 ± 845
CD62P + CD44	1071 ± 1558	477 ± 382	429 ± 496	717 ± 572	559 ± 268
CD62P + CD45	220 ± 217	14 ± 13	45 ± 26	29 ± 53	7 ± 8
CD62P + CD45RA	118 ± 146	44 ± 27	73 ± 75	76 ± 70	52 ± 30
CD62P + CD45RO	75 ± 93	17 ± 21	106 ± 144	37 ± 34	15 ± 20
CD62P + CD52	832 ± 603	38 ± 49	451 ± 700	384 ± 643	71 ± 94
CD62P + CD54	3748 ± 2546	919 ± 625	3719 ± 2118	3030 ± 1708	2872 ± 1754
CD62P + CD56	18 ± 37	19 ± 32	9 ± 9	3 ± 8	20 ± 21
CD62P + CD58	306 ± 342	337 ± 528	420 ± 280	596 ± 731	763 ± 562
CD62P + CD62E	1732 ± 1431	61 ± 67	2251 ± 1983	1068 ± 1245	614 ± 488
CD62P + CD68	1038 ± 1308	339 ± 332	1082 ± 946	951 ± 726	1025 ± 550
CD62P + CD7	325 ± 464	83 ± 83	196 ± 224	131 ± 147	82 ± 119
CD62P + CD8a	44 ± 61	15 ± 19	8 ± 14	32 ± 28	7 ± 8
CD62P + CK14	26 ± 40	19 ± 38	15 ± 29	8 ± 22	17 ± 32
CD62P + CLA	44 ± 65	3 ± 4	46 ± 70	7 ± 7	2 ± 2
CD62P + c-myc	1446 ± 2544	334 ± 470	1118 ± 1642	30 ± 79	381 ± 880
CD62P + Collagen IV	1498 ± 1001	473 ± 278	2129 ± 1263	1755 ± 1080	1326 ± 929
CD62P + FXIIIA	31 ± 21	17 ± 21	223 ± 479	90 ± 130	164 ± 265
CD62P + HLA-DR	2142 ± 1491	797 ± 449	1820 ± 996	1718 ± 1307	2114 ± 1351
CD62P + IL-22R	1 ± 1	11 ± 29	2 ± 4	2 ± 4	5 ± 8
CD62P + IL-23R	105 ± 194	10 ± 24	81 ± 86	181 ± 268	17 ± 18
CD62P + Ki67	1 ± 2	0 ± 1	2 ± 5	4 ± 5	1 ± 1
CD62P + PI	1999 ± 1510	560 ± 373	1942 ± 1236	1683 ± 987	1609 ± 798
CD62P + Podoplanin	67 ± 84	53 ± 68	11 ± 16	1 ± 2	18 ± 26
CD62P + SNA1	3148 ± 2840	1030 ± 602	3095 ± 1759	2226 ± 1142	2360 ± 1473
CD62P + STAT3	95 ± 146	71 ± 87	90 ± 164	16 ± 38	45 ± 58
CD62P + TIA1	217 ± 255	50 ± 39	252 ± 126	143 ± 127	50 ± 56
CD62P + Vimentin	1974 ± 1562	581 ± 367	2336 ± 1138	1510 ± 842	1502 ± 1071

Tabelle 29: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	2240 ± 2135	723 ± 552	1661 ± 1242	1548 ± 1119	1419 ± 1053
CD68 + BCL2	1260 ± 848	403 ± 362	1802 ± 1447	902 ± 614	840 ± 528
CD68 + CCR6	614 ± 560	109 ± 94	777 ± 803	571 ± 363	320 ± 397
CD68 + CD11a	1338 ± 932	89 ± 68	2933 ± 1799	697 ± 1052	992 ± 1727
CD68 + CD11b	1140 ± 978	277 ± 147	1123 ± 626	2561 ± 1925	2821 ± 2659
CD68 + CD120a	67 ± 53	71 ± 65	107 ± 96	161 ± 72	140 ± 90
CD68 + CD120b	243 ± 240	14 ± 20	229 ± 141	432 ± 673	91 ± 173
CD68 + CD138	552 ± 497	603 ± 331	315 ± 165	615 ± 486	707 ± 526
CD68 + CD15	201 ± 212	100 ± 171	306 ± 382	110 ± 208	101 ± 105
CD68 + CD1a	106 ± 107	212 ± 172	61 ± 53	234 ± 191	288 ± 221
CD68 + CD2	1424 ± 1013	79 ± 57	2467 ± 1756	1450 ± 1499	1222 ± 1820
CD68 + CD207	188 ± 197	274 ± 156	98 ± 57	243 ± 161	357 ± 226
CD68 + CD24	57 ± 51	8 ± 14	332 ± 310	48 ± 50	59 ± 48
CD68 + CD28	999 ± 630	10 ± 10	1370 ± 1078	928 ± 1240	550 ± 894
CD68 + CD29	4069 ± 3126	2161 ± 722	3264 ± 1929	3229 ± 1672	4601 ± 2641
CD68 + CD3	1236 ± 843	246 ± 141	2833 ± 1850	1758 ± 1813	1138 ± 1604
CD68 + CD31	2207 ± 2248	1033 ± 671	2206 ± 1467	2290 ± 1412	2350 ± 1238
CD68 + CD4	2187 ± 1522	330 ± 286	2965 ± 1928	2269 ± 1895	2232 ± 1893
CD68 + CD44	2639 ± 2045	1616 ± 840	4516 ± 916	3289 ± 775	3271 ± 2324
CD68 + CD45	1680 ± 1378	60 ± 38	2833 ± 1685	848 ± 897	658 ± 1120
CD68 + CD45RA	611 ± 387	132 ± 110	1167 ± 707	333 ± 224	528 ± 585
CD68 + CD45RO	998 ± 920	67 ± 70	2076 ± 1157	1078 ± 1530	499 ± 1026
CD68 + CD52	1053 ± 889	60 ± 102	2056 ± 1708	873 ± 1232	692 ± 1279
CD68 + CD54	5212 ± 2557	1110 ± 771	4430 ± 1327	2755 ± 1615	3383 ± 2601
CD68 + CD56	607 ± 586	231 ± 131	512 ± 297	354 ± 166	480 ± 266
CD68 + CD58	759 ± 755	527 ± 572	1013 ± 958	1065 ± 1094	1373 ± 779
CD68 + CD62E	734 ± 959	39 ± 37	942 ± 959	451 ± 501	346 ± 285
CD68 + CD62P	1038 ± 1308	339 ± 332	1082 ± 946	951 ± 726	1025 ± 550
CD68 + CD7	619 ± 447	83 ± 128	1779 ± 974	593 ± 458	555 ± 891
CD68 + CD8a	176 ± 161	40 ± 43	518 ± 444	422 ± 469	350 ± 577
CD68 + CK14	852 ± 620	1845 ± 674	610 ± 225	2045 ± 1449	2887 ± 2243
CD68 + CLA	491 ± 345	53 ± 61	987 ± 398	360 ± 204	491 ± 478
CD68 + c-myc	1510 ± 1917	1203 ± 894	936 ± 1058	315 ± 263	1315 ± 1364
CD68 + Collagen IV	1649 ± 1333	1756 ± 735	2137 ± 1312	2222 ± 1475	2836 ± 1867
CD68 + FXIIIA	1355 ± 1108	431 ± 243	2450 ± 1337	1875 ± 674	1943 ± 1063
CD68 + HLA-DR	4515 ± 1837	1958 ± 745	5037 ± 1939	3825 ± 1817	5095 ± 2846
CD68 + IL-22R	45 ± 73	115 ± 147	14 ± 10	161 ± 179	359 ± 362
CD68 + IL-23R	204 ± 197	285 ± 558	241 ± 245	507 ± 257	189 ± 152
CD68 + Ki67	45 ± 56	86 ± 91	48 ± 44	141 ± 150	114 ± 126
CD68 + PI	3781 ± 1990	2354 ± 820	4033 ± 1492	4095 ± 892	4816 ± 2438
CD68 + Podoplanin	497 ± 450	350 ± 301	313 ± 162	159 ± 121	521 ± 395
CD68 + SNA1	4128 ± 2180	2475 ± 734	3676 ± 2002	2988 ± 1335	3973 ± 1632
CD68 + STAT3	258 ± 343	452 ± 317	249 ± 227	122 ± 80	306 ± 267
CD68 + TIA1	198 ± 98	86 ± 78	272 ± 125	170 ± 113	226 ± 302
CD68 + Vimentin	5518 ± 1967	3003 ± 804	6057 ± 1756	5180 ± 1374	5971 ± 4335

Tabelle 30: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	423 ± 467	208 ± 235	226 ± 259	272 ± 267	166 ± 331
CD7 + BCL2	1395 ± 992	53 ± 56	2701 ± 2094	2422 ± 4165	332 ± 331
CD7 + CCR6	691 ± 614	27 ± 25	1619 ± 1747	1059 ± 1259	300 ± 439
CD7 + CD11a	8315 ± 3897	473 ± 541	13924 ± 8456	6863 ± 9054	3515 ± 3468
CD7 + CD11b	1313 ± 1116	273 ± 390	609 ± 285	3101 ± 3061	1604 ± 1662
CD7 + CD120a	30 ± 33	0 ± 0	84 ± 90	104 ± 178	12 ± 11
CD7 + CD120b	1493 ± 1565	66 ± 80	1380 ± 443	3994 ± 7306	320 ± 512
CD7 + CD138	1020 ± 1360	6 ± 9	590 ± 241	89 ± 78	120 ± 259
CD7 + CD15	399 ± 459	9 ± 10	165 ± 167	49 ± 39	23 ± 34
CD7 + CD1a	121 ± 117	26 ± 63	120 ± 127	165 ± 207	95 ± 144
CD7 + CD2	7648 ± 3592	336 ± 295	10497 ± 5417	8301 ± 10173	3018 ± 3289
CD7 + CD207	191 ± 125	23 ± 61	394 ± 318	340 ± 283	179 ± 248
CD7 + CD24	309 ± 383	57 ± 95	324 ± 185	346 ± 241	181 ± 281
CD7 + CD28	6627 ± 2945	73 ± 63	8331 ± 6399	6981 ± 10175	2509 ± 2679
CD7 + CD29	2452 ± 1939	318 ± 414	2077 ± 1231	908 ± 505	735 ± 700
CD7 + CD3	8337 ± 3951	582 ± 616	14730 ± 8280	9608 ± 10871	3812 ± 3821
CD7 + CD31	441 ± 616	187 ± 235	401 ± 392	327 ± 240	209 ± 280
CD7 + CD4	6998 ± 4147	262 ± 214	10762 ± 7293	7923 ± 10497	3119 ± 3143
CD7 + CD44	6754 ± 4067	624 ± 549	13465 ± 6349	6653 ± 3707	3323 ± 2871
CD7 + CD45	8286 ± 4116	264 ± 268	13157 ± 7719	7526 ± 8911	2629 ± 2744
CD7 + CD45RA	2075 ± 1058	256 ± 236	2715 ± 1831	1979 ± 2426	1084 ± 1061
CD7 + CD45RO	5045 ± 2770	71 ± 58	8134 ± 5084	6715 ± 10153	1248 ± 2003
CD7 + CD52	5432 ± 2584	106 ± 89	9138 ± 7630	6560 ± 10329	2316 ± 2916
CD7 + CD54	6963 ± 4836	482 ± 629	8666 ± 7468	4509 ± 5671	2727 ± 2753
CD7 + CD56	338 ± 217	20 ± 27	396 ± 245	130 ± 97	94 ± 69
CD7 + CD58	878 ± 1005	130 ± 158	2630 ± 5129	2766 ± 5281	763 ± 1011
CD7 + CD62E	160 ± 224	5 ± 6	136 ± 225	36 ± 30	30 ± 67
CD7 + CD62P	325 ± 464	83 ± 83	196 ± 224	131 ± 147	82 ± 119
CD7 + CD68	619 ± 447	83 ± 128	1779 ± 974	593 ± 458	555 ± 891
CD7 + CD8a	2464 ± 952	298 ± 295	4485 ± 2468	4966 ± 6718	1776 ± 1877
CD7 + CK14	1526 ± 1971	5 ± 5	1747 ± 855	218 ± 157	294 ± 628
CD7 + CLA	1997 ± 1123	133 ± 128	3066 ± 1622	1750 ± 907	866 ± 698
CD7 + c-myc	588 ± 405	25 ± 27	511 ± 537	54 ± 44	71 ± 126
CD7 + Collagen IV	1011 ± 1161	218 ± 224	1865 ± 1018	893 ± 461	669 ± 843
CD7 + FXIIIA	144 ± 136	33 ± 31	577 ± 426	430 ± 228	166 ± 242
CD7 + HLA-DR	6305 ± 2642	671 ± 564	9110 ± 5185	5387 ± 3284	3182 ± 2722
CD7 + IL-22R	49 ± 60	3 ± 8	59 ± 80	45 ± 50	46 ± 94
CD7 + IL-23R	66 ± 94	5 ± 13	91 ± 142	55 ± 49	9 ± 16
CD7 + Ki67	38 ± 45	1 ± 1	55 ± 68	16 ± 16	22 ± 40
CD7 + PI	6541 ± 3243	453 ± 450	10249 ± 6146	6866 ± 5886	3325 ± 3307
CD7 + Podoplanin	654 ± 673	146 ± 324	1014 ± 1126	182 ± 187	157 ± 296
CD7 + SNA1	2901 ± 2976	350 ± 275	2334 ± 663	1162 ± 636	674 ± 526
CD7 + STAT3	320 ± 362	14 ± 16	75 ± 119	11 ± 10	15 ± 16
CD7 + TIA1	1076 ± 516	164 ± 196	1072 ± 617	1225 ± 1173	597 ± 670
CD7 + Vimentin	3754 ± 2168	298 ± 168	5985 ± 2821	2341 ± 1069	1373 ± 1952

Tabelle 31: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	127 ± 89	116 ± 150	56 ± 58	149 ± 120	38 ± 35
CD8a + BCL2	528 ± 342	88 ± 92	1005 ± 789	1894 ± 3573	223 ± 159
CD8a + CCR6	301 ± 293	34 ± 36	588 ± 641	687 ± 818	201 ± 259
CD8a + CD11a	4352 ± 1333	587 ± 388	5877 ± 2997	5182 ± 7030	2820 ± 2411
CD8a + CD11b	467 ± 266	296 ± 301	286 ± 256	2262 ± 2627	1116 ± 1014
CD8a + CD120a	24 ± 45	0 ± 1	12 ± 11	71 ± 151	13 ± 27
CD8a + CD120b	458 ± 459	72 ± 49	301 ± 151	2634 ± 5156	186 ± 256
CD8a + CD138	469 ± 389	7 ± 13	160 ± 122	108 ± 130	122 ± 276
CD8a + CD15	122 ± 112	18 ± 19	143 ± 191	29 ± 25	7 ± 6
CD8a + CD1a	23 ± 14	39 ± 88	32 ± 44	72 ± 88	46 ± 70
CD8a + CD2	3938 ± 1169	510 ± 304	4679 ± 2025	6749 ± 8767	2623 ± 2480
CD8a + CD207	32 ± 44	35 ± 75	73 ± 55	168 ± 146	79 ± 120
CD8a + CD24	100 ± 149	63 ± 48	187 ± 113	214 ± 111	143 ± 155
CD8a + CD28	2431 ± 1164	66 ± 91	2666 ± 2079	4765 ± 7751	1368 ± 1534
CD8a + CD29	818 ± 273	187 ± 129	514 ± 334	530 ± 294	459 ± 275
CD8a + CD3	3963 ± 1743	1004 ± 375	5843 ± 3064	7549 ± 9471	2883 ± 2619
CD8a + CD31	53 ± 65	51 ± 56	72 ± 92	161 ± 134	45 ± 38
CD8a + CD4	2056 ± 844	274 ± 294	3065 ± 2577	5111 ± 8287	1760 ± 1874
CD8a + CD44	3138 ± 1164	946 ± 275	5332 ± 2252	4405 ± 2271	2693 ± 1752
CD8a + CD45	4058 ± 1056	374 ± 185	5540 ± 2919	5358 ± 7186	1953 ± 1873
CD8a + CD45RA	953 ± 356	157 ± 115	1173 ± 671	1598 ± 2052	842 ± 766
CD8a + CD45RO	2016 ± 709	82 ± 57	3046 ± 1942	4921 ± 8332	761 ± 1200
CD8a + CD52	2877 ± 1115	262 ± 283	3870 ± 2414	5123 ± 8396	1559 ± 2081
CD8a + CD54	2641 ± 1464	461 ± 308	2651 ± 2343	2899 ± 4097	1693 ± 1470
CD8a + CD56	107 ± 98	23 ± 22	63 ± 34	63 ± 55	67 ± 49
CD8a + CD58	519 ± 706	101 ± 172	820 ± 1737	1956 ± 3819	430 ± 625
CD8a + CD62E	15 ± 17	5 ± 7	16 ± 14	22 ± 33	1 ± 1
CD8a + CD62P	44 ± 61	15 ± 19	8 ± 14	32 ± 28	7 ± 8
CD8a + CD68	176 ± 161	40 ± 43	518 ± 444	422 ± 469	350 ± 577
CD8a + CD7	2464 ± 952	298 ± 295	4485 ± 2468	4966 ± 6718	1776 ± 1877
CD8a + CK14	740 ± 536	16 ± 25	460 ± 278	301 ± 346	388 ± 704
CD8a + CLA	1215 ± 514	348 ± 200	1576 ± 735	1758 ± 862	1198 ± 694
CD8a + c-myc	282 ± 201	26 ± 34	212 ± 208	95 ± 96	126 ± 209
CD8a + Collagen IV	438 ± 339	280 ± 168	691 ± 224	672 ± 421	499 ± 412
CD8a + FXIIIA	97 ± 58	93 ± 101	254 ± 155	307 ± 257	106 ± 75
CD8a + HLA-DR	3012 ± 1086	876 ± 206	3411 ± 1736	3777 ± 2257	2727 ± 1853
CD8a + IL-22R	39 ± 42	0 ± 1	27 ± 48	43 ± 49	51 ± 102
CD8a + IL-23R	30 ± 47	5 ± 10	20 ± 27	35 ± 32	6 ± 11
CD8a + Ki67	27 ± 23	1 ± 1	12 ± 24	19 ± 28	13 ± 26
CD8a + PI	3721 ± 1075	593 ± 189	4414 ± 2118	5386 ± 5365	2853 ± 2897
CD8a + Podoplanin	238 ± 186	127 ± 236	217 ± 197	100 ± 147	151 ± 263
CD8a + SNA1	1222 ± 956	426 ± 118	774 ± 391	630 ± 119	508 ± 238
CD8a + STAT3	105 ± 75	9 ± 16	14 ± 21	21 ± 27	9 ± 13
CD8a + TIA1	783 ± 282	99 ± 90	865 ± 392	1323 ± 1275	650 ± 802
CD8a + Vimentin	1557 ± 618	427 ± 219	2082 ± 1089	1358 ± 359	1084 ± 1545

Tabelle 32: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	47 ± 104	911 ± 2132	33 ± 60	4 ± 10	17 ± 29
CK14 + BCL2	10523 ± 9108	2186 ± 3713	4422 ± 4488	1245 ± 694	3640 ± 3730
CK14 + CCR6	547 ± 267	496 ± 306	471 ± 299	1068 ± 583	156 ± 125
CK14 + CD11a	1611 ± 2057	5 ± 6	1011 ± 555	118 ± 139	424 ± 599
CK14 + CD11b	291 ± 200	1 ± 2	556 ± 1013	189 ± 290	320 ± 665
CK14 + CD120a	419 ± 393	269 ± 277	277 ± 147	626 ± 905	398 ± 145
CK14 + CD120b	74 ± 77	17 ± 25	92 ± 128	31 ± 32	28 ± 50
CK14 + CD138	101412 ± 47388	14535 ± 4258	55357 ± 13645	36307 ± 25360	24773 ± 22181
CK14 + CD15	106 ± 88	70 ± 118	164 ± 343	113 ± 191	61 ± 53
CK14 + CD1a	2306 ± 2177	976 ± 707	1456 ± 977	2384 ± 1881	879 ± 377
CK14 + CD2	1976 ± 2324	9 ± 15	1110 ± 624	440 ± 319	569 ± 651
CK14 + CD207	1539 ± 760	1330 ± 863	1980 ± 999	1782 ± 647	1112 ± 381
CK14 + CD24	53 ± 71	7 ± 12	131 ± 197	100 ± 149	146 ± 366
CK14 + CD28	1029 ± 1907	9 ± 9	137 ± 126	66 ± 80	76 ± 122
CK14 + CD29	31843 ± 19116	6771 ± 4178	16734 ± 8573	11620 ± 5645	11934 ± 10007
CK14 + CD3	1419 ± 1690	27 ± 30	1468 ± 1304	515 ± 657	414 ± 720
CK14 + CD31	41 ± 56	75 ± 182	29 ± 38	9 ± 12	13 ± 14
CK14 + CD4	831 ± 1723	4 ± 5	341 ± 573	56 ± 54	180 ± 260
CK14 + CD44	41679 ± 25593	7054 ± 4728	41469 ± 7840	25612 ± 15861	16138 ± 16700
CK14 + CD45	1929 ± 2869	17 ± 16	1134 ± 1205	218 ± 304	151 ± 213
CK14 + CD45RA	282 ± 312	15 ± 26	186 ± 230	33 ± 24	213 ± 378
CK14 + CD45RO	1202 ± 1867	15 ± 19	703 ± 431	351 ± 499	108 ± 237
CK14 + CD52	226 ± 197	25 ± 35	873 ± 2171	35 ± 36	28 ± 35
CK14 + CD54	4593 ± 7580	11 ± 24	1137 ± 1869	302 ± 549	814 ± 2111
CK14 + CD56	104 ± 90	419 ± 474	126 ± 112	37 ± 40	88 ± 61
CK14 + CD58	27838 ± 32854	3203 ± 3843	10520 ± 9260	8646 ± 11948	9966 ± 12455
CK14 + CD62E	31 ± 57	11 ± 26	27 ± 58	4 ± 6	9 ± 15
CK14 + CD62P	26 ± 40	19 ± 38	15 ± 29	8 ± 22	17 ± 32
CK14 + CD68	852 ± 620	1845 ± 674	610 ± 225	2045 ± 1449	2887 ± 2243
CK14 + CD7	1526 ± 1971	5 ± 5	1747 ± 855	218 ± 157	294 ± 628
CK14 + CD8a	740 ± 536	16 ± 25	460 ± 278	301 ± 346	388 ± 704
CK14 + CLA	1174 ± 601	54 ± 80	847 ± 497	799 ± 734	764 ± 837
CK14 + c-myc	29082 ± 15747	10434 ± 6708	12057 ± 7006	10774 ± 4160	12566 ± 5917
CK14 + Collagen IV	4493 ± 3725	1810 ± 702	6625 ± 3094	3491 ± 1199	3587 ± 3712
CK14 + FXIIIA	73 ± 101	49 ± 70	57 ± 56	62 ± 124	84 ± 77
CK14 + HLA-DR	25966 ± 20092	4334 ± 3101	9480 ± 7042	10998 ± 11409	8379 ± 10151
CK14 + IL-22R	13499 ± 5575	2865 ± 2438	3267 ± 3321	5475 ± 3461	11589 ± 8761
CK14 + IL-23R	7831 ± 6161	3712 ± 6609	2966 ± 3849	4371 ± 1731	1913 ± 2011
CK14 + Ki67	6327 ± 1619	1098 ± 787	3816 ± 4255	2750 ± 2128	3121 ± 3710
CK14 + PI	36142 ± 10184	11768 ± 1640	26969 ± 5353	25415 ± 12728	21247 ± 9414
CK14 + Podoplanin	8587 ± 10192	953 ± 1167	7429 ± 12520	157 ± 334	1397 ± 3537
CK14 + SNA1	18223 ± 16847	2649 ± 1915	8115 ± 3170	4911 ± 2158	3855 ± 2298
CK14 + STAT3	32133 ± 19129	9760 ± 5997	14579 ± 22172	9717 ± 4549	7488 ± 6334
CK14 + TIA1	153 ± 101	57 ± 87	160 ± 138	42 ± 36	67 ± 84
CK14 + Vimentin	9143 ± 3763	2676 ± 888	7320 ± 2529	6639 ± 1139	4670 ± 4935

Tabelle 33: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	87 ± 80	32 ± 43	50 ± 53	70 ± 92	16 ± 24
CLA + BCL2	694 ± 503	100 ± 95	976 ± 811	568 ± 625	265 ± 123
CLA + CCR6	417 ± 506	42 ± 56	497 ± 452	421 ± 276	185 ± 195
CLA + CD11a	4209 ± 2182	295 ± 255	4507 ± 1838	1941 ± 1175	1692 ± 929
CLA + CD11b	1079 ± 560	140 ± 119	1374 ± 1769	1192 ± 407	891 ± 486
CLA + CD120a	133 ± 105	4 ± 9	103 ± 69	107 ± 178	61 ± 76
CLA + CD120b	563 ± 707	41 ± 40	412 ± 129	787 ± 1109	97 ± 140
CLA + CD138	925 ± 344	43 ± 74	402 ± 276	492 ± 655	340 ± 489
CLA + CD15	563 ± 632	34 ± 33	1120 ± 1835	59 ± 30	34 ± 33
CLA + CD1a	379 ± 324	50 ± 90	239 ± 242	375 ± 477	131 ± 147
CLA + CD2	3826 ± 2242	287 ± 278	3390 ± 1136	2856 ± 1451	1637 ± 951
CLA + CD207	684 ± 561	53 ± 82	602 ± 385	496 ± 447	226 ± 208
CLA + CD24	281 ± 269	39 ± 38	1003 ± 1558	122 ± 40	55 ± 31
CLA + CD28	2503 ± 1830	38 ± 66	1922 ± 1289	1510 ± 1438	647 ± 545
CLA + CD29	1059 ± 490	115 ± 81	662 ± 466	530 ± 514	472 ± 365
CLA + CD3	3709 ± 2646	425 ± 299	4103 ± 1810	3066 ± 1689	1641 ± 972
CLA + CD31	47 ± 49	12 ± 12	129 ± 192	78 ± 81	23 ± 20
CLA + CD4	2968 ± 1585	130 ± 93	3088 ± 1231	2107 ± 1494	1315 ± 855
CLA + CD44	3741 ± 1631	563 ± 271	5218 ± 1781	3480 ± 903	2200 ± 1004
CLA + CD45	4171 ± 2608	163 ± 90	3871 ± 1498	1949 ± 861	992 ± 590
CLA + CD45RA	1799 ± 798	152 ± 117	1639 ± 525	811 ± 373	618 ± 423
CLA + CD45RO	2282 ± 1370	57 ± 59	2854 ± 1575	1616 ± 1574	412 ± 589
CLA + CD52	2715 ± 2159	168 ± 168	2733 ± 1975	1685 ± 1265	742 ± 809
CLA + CD54	3979 ± 2876	209 ± 161	2657 ± 1835	1311 ± 929	1001 ± 613
CLA + CD56	116 ± 33	22 ± 13	118 ± 61	54 ± 33	59 ± 36
CLA + CD58	346 ± 251	76 ± 103	526 ± 837	754 ± 997	431 ± 469
CLA + CD62E	39 ± 52	1 ± 2	476 ± 1129	9 ± 15	1 ± 2
CLA + CD62P	44 ± 65	3 ± 4	46 ± 70	7 ± 7	2 ± 2
CLA + CD68	491 ± 345	53 ± 61	987 ± 398	360 ± 204	491 ± 478
CLA + CD7	1997 ± 1123	133 ± 128	3066 ± 1622	1750 ± 907	866 ± 698
CLA + CD8a	1215 ± 514	348 ± 200	1576 ± 735	1758 ± 862	1198 ± 694
CLA + CK14	1174 ± 601	54 ± 80	847 ± 497	799 ± 734	764 ± 837
CLA + c-myc	365 ± 142	59 ± 78	247 ± 236	118 ± 134	164 ± 174
CLA + Collagen IV	431 ± 332	113 ± 49	901 ± 608	444 ± 440	262 ± 172
CLA + FXIIIA	170 ± 94	45 ± 50	374 ± 354	228 ± 148	119 ± 54
CLA + HLA-DR	4779 ± 1652	548 ± 381	4395 ± 2188	2894 ± 995	2181 ± 1082
CLA + IL-22R	131 ± 78	24 ± 56	32 ± 16	187 ± 418	204 ± 273
CLA + IL-23R	100 ± 82	4 ± 7	101 ± 148	161 ± 304	38 ± 76
CLA + Ki67	71 ± 47	1 ± 2	44 ± 65	43 ± 48	43 ± 57
CLA + PI	4083 ± 1906	303 ± 157	4065 ± 2211	2758 ± 875	1808 ± 940
CLA + Podoplanin	297 ± 303	59 ± 82	283 ± 230	108 ± 97	129 ± 154
CLA + SNA1	1591 ± 1103	234 ± 139	1363 ± 867	577 ± 236	380 ± 188
CLA + STAT3	254 ± 173	40 ± 70	74 ± 104	164 ± 358	138 ± 330
CLA + TIA1	531 ± 372	30 ± 23	1056 ± 1354	453 ± 274	238 ± 255
CLA + Vimentin	2961 ± 1132	337 ± 200	3124 ± 1302	2025 ± 1033	1339 ± 1214

Tabelle 34: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	3154 ± 4969	1504 ± 2609	2238 ± 3453	43 ± 104	961 ± 2089
c-myc + BCL2	4456 ± 3366	2389 ± 5105	1340 ± 1309	422 ± 333	2560 ± 3755
c-myc + CCR6	444 ± 285	784 ± 577	231 ± 205	504 ± 480	137 ± 111
c-myc + CD11a	900 ± 584	14 ± 14	854 ± 1111	47 ± 72	162 ± 238
c-myc + CD11b	523 ± 202	46 ± 32	376 ± 355	185 ± 182	464 ± 707
c-myc + CD120a	175 ± 232	135 ± 157	124 ± 179	53 ± 36	96 ± 45
c-myc + CD120b	124 ± 77	27 ± 36	59 ± 84	32 ± 37	23 ± 44
c-myc + CD138	16313 ± 11052	10320 ± 6633	1735 ± 1001	4417 ± 3110	6714 ± 4052
c-myc + CD15	203 ± 136	106 ± 162	232 ± 327	79 ± 108	52 ± 44
c-myc + CD1a	619 ± 1111	732 ± 692	25 ± 30	393 ± 437	396 ± 352
c-myc + CD2	657 ± 294	43 ± 84	274 ± 287	90 ± 101	141 ± 175
c-myc + CD207	346 ± 474	1077 ± 968	48 ± 39	213 ± 179	430 ± 325
c-myc + CD24	103 ± 97	28 ± 40	182 ± 172	16 ± 15	23 ± 39
c-myc + CD28	471 ± 307	7 ± 8	161 ± 132	40 ± 55	53 ± 98
c-myc + CD29	12602 ± 3140	3440 ± 2301	6402 ± 4939	2345 ± 2142	5152 ± 5652
c-myc + CD3	732 ± 498	182 ± 196	727 ± 788	212 ± 262	140 ± 217
c-myc + CD31	2718 ± 4056	532 ± 664	2060 ± 2913	36 ± 81	705 ± 1696
c-myc + CD4	1076 ± 1369	88 ± 127	597 ± 754	55 ± 78	320 ± 635
c-myc + CD44	6872 ± 3331	4243 ± 2732	3331 ± 2399	3089 ± 1815	4646 ± 3343
c-myc + CD45	793 ± 538	16 ± 13	641 ± 897	42 ± 46	66 ± 96
c-myc + CD45RA	385 ± 363	212 ± 351	295 ± 355	47 ± 20	155 ± 206
c-myc + CD45RO	433 ± 409	137 ± 229	326 ± 245	90 ± 131	69 ± 95
c-myc + CD52	491 ± 564	89 ± 181	605 ± 892	16 ± 19	83 ± 198
c-myc + CD54	5123 ± 5571	688 ± 1001	2865 ± 3139	111 ± 131	1287 ± 2740
c-myc + CD56	475 ± 632	702 ± 1054	349 ± 262	71 ± 66	146 ± 164
c-myc + CD58	5773 ± 6434	2227 ± 3364	2095 ± 2416	1276 ± 990	4054 ± 2636
c-myc + CD62E	722 ± 1338	38 ± 57	1125 ± 1847	22 ± 52	112 ± 267
c-myc + CD62P	1446 ± 2544	334 ± 470	1118 ± 1642	30 ± 79	381 ± 880
c-myc + CD68	1510 ± 1917	1203 ± 894	936 ± 1058	315 ± 263	1315 ± 1364
c-myc + CD7	588 ± 405	25 ± 27	511 ± 537	54 ± 44	71 ± 126
c-myc + CD8a	282 ± 201	26 ± 34	212 ± 208	95 ± 96	126 ± 209
c-myc + CK14	29082 ± 15747	10434 ± 6708	12057 ± 7006	10774 ± 4160	12566 ± 5917
c-myc + CLA	365 ± 142	59 ± 78	247 ± 236	118 ± 134	164 ± 174
c-myc + Collagen IV	9536 ± 4065	2343 ± 1676	10936 ± 7240	3770 ± 1926	5908 ± 9002
c-myc + FXIIIA	472 ± 268	520 ± 654	566 ± 832	112 ± 73	287 ± 210
c-myc + HLA-DR	8167 ± 3540	2853 ± 2056	2754 ± 1763	1583 ± 1332	3056 ± 2962
c-myc + IL-22R	5576 ± 5024	2347 ± 2877	302 ± 588	2132 ± 2043	4603 ± 3794
c-myc + IL-23R	5194 ± 3490	1275 ± 2869	1401 ± 1401	2458 ± 1026	2016 ± 2034
c-myc + Ki67	1010 ± 1044	223 ± 260	94 ± 102	128 ± 250	149 ± 186
c-myc + PI	8461 ± 2921	5033 ± 3839	3313 ± 2025	1444 ± 915	3180 ± 2266
c-myc + Podoplanin	1819 ± 1608	956 ± 1456	1672 ± 2603	68 ± 111	396 ± 720
c-myc + SNA1	18741 ± 6623	3372 ± 2469	10744 ± 7683	4284 ± 2265	5119 ± 5052
c-myc + STAT3	14496 ± 11236	7949 ± 5629	2200 ± 1929	3958 ± 2733	4206 ± 3805
c-myc + TIA1	206 ± 138	180 ± 244	217 ± 189	35 ± 42	83 ± 94
c-myc + Vimentin	5526 ± 3009	1989 ± 1992	3208 ± 2450	1322 ± 636	2410 ± 3544

Tabelle 35: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	5789 ± 2055	2571 ± 941	5963 ± 3681	5682 ± 3900	4715 ± 3260
Collagen IV + BCL2	597 ± 414	91 ± 77	1183 ± 1277	267 ± 225	314 ± 223
Collagen IV + CCR6	65 ± 56	25 ± 40	147 ± 144	175 ± 216	43 ± 59
Collagen IV + CD11a	1840 ± 1746	235 ± 174	2602 ± 1407	600 ± 335	980 ± 1071
Collagen IV + CD11b	861 ± 841	423 ± 503	1180 ± 1511	2070 ± 1819	1872 ± 1552
Collagen IV + CD120a	113 ± 166	7 ± 7	135 ± 179	50 ± 23	38 ± 34
Collagen IV + CD120b	412 ± 357	197 ± 137	331 ± 106	598 ± 227	256 ± 225
Collagen IV + CD138	1291 ± 1825	302 ± 348	656 ± 347	252 ± 199	187 ± 265
Collagen IV + CD15	360 ± 345	73 ± 66	657 ± 1109	246 ± 231	65 ± 59
Collagen IV + CD1a	19 ± 24	59 ± 148	19 ± 37	19 ± 33	13 ± 22
Collagen IV + CD2	1388 ± 1104	204 ± 140	1366 ± 572	1929 ± 1876	816 ± 627
Collagen IV + CD207	23 ± 18	37 ± 71	77 ± 61	37 ± 44	41 ± 86
Collagen IV + CD24	298 ± 252	283 ± 204	911 ± 822	589 ± 323	378 ± 452
Collagen IV + CD28	1454 ± 1032	51 ± 73	1079 ± 766	1112 ± 750	806 ± 999
Collagen IV + CD29	12620 ± 5448	3879 ± 1789	12043 ± 3754	8994 ± 5279	9232 ± 4995
Collagen IV + CD3	2012 ± 1768	1182 ± 645	3013 ± 1225	3156 ± 1673	1618 ± 1195
Collagen IV + CD31	5183 ± 3005	1870 ± 1032	6962 ± 2612	5918 ± 2444	4365 ± 2652
Collagen IV + CD4	3907 ± 4209	855 ± 904	2460 ± 1249	3468 ± 3052	3353 ± 2327
Collagen IV + CD44	6586 ± 5694	4558 ± 2595	8143 ± 3164	8586 ± 5726	5140 ± 2335
Collagen IV + CD45	1617 ± 1680	147 ± 85	2034 ± 1012	871 ± 508	415 ± 370
Collagen IV + CD45RA	791 ± 835	175 ± 117	555 ± 127	445 ± 373	473 ± 555
Collagen IV + CD45RO	724 ± 764	38 ± 24	1054 ± 634	579 ± 375	170 ± 260
Collagen IV + CD52	1493 ± 917	228 ± 423	2244 ± 1966	1224 ± 1098	823 ± 1138
Collagen IV + CD54	11377 ± 5966	3075 ± 1364	9530 ± 2666	6573 ± 3564	7857 ± 4805
Collagen IV + CD56	1243 ± 872	1187 ± 434	1581 ± 281	1727 ± 1274	1277 ± 790
Collagen IV + CD58	2700 ± 3154	878 ± 1289	2937 ± 3604	1885 ± 2067	2107 ± 1869
Collagen IV + CD62E	891 ± 639	57 ± 107	1680 ± 1429	450 ± 442	270 ± 277
Collagen IV + CD62P	1498 ± 1001	473 ± 278	2129 ± 1263	1755 ± 1080	1326 ± 929
Collagen IV + CD68	1649 ± 1333	1756 ± 735	2137 ± 1312	2222 ± 1475	2836 ± 1867
Collagen IV + CD7	1011 ± 1161	218 ± 224	1865 ± 1018	893 ± 461	669 ± 843
Collagen IV + CD8a	438 ± 339	280 ± 168	691 ± 224	672 ± 421	499 ± 412
Collagen IV + CK14	4493 ± 3725	1810 ± 702	6625 ± 3094	3491 ± 1199	3587 ± 3712
Collagen IV + CLA	431 ± 332	113 ± 49	901 ± 608	444 ± 440	262 ± 172
Collagen IV + c-myc	9536 ± 4065	2343 ± 1676	10936 ± 7240	3770 ± 1926	5908 ± 9002
Collagen IV + FXIIIA	209 ± 160	396 ± 301	881 ± 1025	1094 ± 941	1239 ± 1645
Collagen IV + HLA-DR	10153 ± 5647	4735 ± 1642	8256 ± 4347	9171 ± 6946	8597 ± 4142
Collagen IV + IL-22R	31 ± 68	10 ± 17	32 ± 43	35 ± 34	45 ± 72
Collagen IV + IL-23R	182 ± 275	142 ± 384	203 ± 303	178 ± 228	29 ± 43
Collagen IV + Ki67	116 ± 128	22 ± 37	67 ± 59	57 ± 51	40 ± 77
Collagen IV + PI	7013 ± 3796	2876 ± 685	8533 ± 2792	8057 ± 4410	6248 ± 3842
Collagen IV + Podoplanin	2417 ± 1992	1499 ± 899	2700 ± 1893	1584 ± 1213	1882 ± 1180
Collagen IV + SNA1	22379 ± 13065	8518 ± 2670	22684 ± 3982	15067 ± 5091	13360 ± 4993
Collagen IV + STAT3	94 ± 105	359 ± 435	89 ± 199	14 ± 22	43 ± 78
Collagen IV + TIA1	347 ± 402	101 ± 73	751 ± 615	293 ± 316	157 ± 168
Collagen IV + Vimentin	7305 ± 4166	3802 ± 2267	9150 ± 3152	7095 ± 3692	4368 ± 3789

Tabelle 36: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	427 ± 437	261 ± 247	373 ± 656	296 ± 314	475 ± 790
FXIIIA + BCL2	294 ± 350	59 ± 56	973 ± 1055	326 ± 402	236 ± 169
FXIIIA + CCR6	427 ± 448	257 ± 298	504 ± 491	411 ± 235	178 ± 81
FXIIIA + CD11a	319 ± 237	74 ± 29	1212 ± 905	432 ± 413	314 ± 321
FXIIIA + CD11b	1279 ± 784	931 ± 789	1069 ± 652	4119 ± 1114	3821 ± 2504
FXIIIA + CD120a	8 ± 7	6 ± 8	23 ± 19	22 ± 32	10 ± 10
FXIIIA + CD120b	39 ± 48	29 ± 39	43 ± 28	213 ± 301	25 ± 13
FXIIIA + CD138	176 ± 249	214 ± 322	139 ± 177	33 ± 24	101 ± 119
FXIIIA + CD15	204 ± 196	64 ± 128	375 ± 475	46 ± 41	37 ± 32
FXIIIA + CD1a	4 ± 6	14 ± 26	1 ± 1	4 ± 6	2 ± 5
FXIIIA + CD2	310 ± 252	91 ± 65	1044 ± 894	1127 ± 999	344 ± 261
FXIIIA + CD207	21 ± 33	8 ± 15	15 ± 23	16 ± 16	4 ± 8
FXIIIA + CD24	59 ± 68	41 ± 43	292 ± 405	59 ± 41	53 ± 55
FXIIIA + CD28	189 ± 111	10 ± 9	536 ± 582	634 ± 777	191 ± 239
FXIIIA + CD29	550 ± 326	401 ± 217	805 ± 1028	621 ± 517	1173 ± 1357
FXIIIA + CD3	356 ± 216	240 ± 193	1228 ± 912	1426 ± 1343	334 ± 241
FXIIIA + CD31	46 ± 38	86 ± 95	357 ± 650	321 ± 304	527 ± 867
FXIIIA + CD4	582 ± 665	285 ± 305	1172 ± 1183	1500 ± 1160	1168 ± 1055
FXIIIA + CD44	2116 ± 1915	1993 ± 1062	3921 ± 1719	4143 ± 1644	2892 ± 1818
FXIIIA + CD45	503 ± 354	76 ± 64	1146 ± 929	651 ± 556	175 ± 107
FXIIIA + CD45RA	286 ± 333	294 ± 268	409 ± 275	269 ± 150	354 ± 138
FXIIIA + CD45RO	362 ± 324	182 ± 221	1082 ± 749	772 ± 921	158 ± 102
FXIIIA + CD52	299 ± 157	132 ± 290	943 ± 763	671 ± 852	202 ± 222
FXIIIA + CD54	1258 ± 897	355 ± 347	1486 ± 908	1254 ± 864	1423 ± 1400
FXIIIA + CD56	600 ± 543	702 ± 319	592 ± 405	506 ± 349	631 ± 412
FXIIIA + CD58	91 ± 109	116 ± 131	343 ± 615	265 ± 416	311 ± 570
FXIIIA + CD62E	20 ± 23	9 ± 25	245 ± 518	40 ± 53	66 ± 151
FXIIIA + CD62P	31 ± 21	17 ± 21	223 ± 479	90 ± 130	164 ± 265
FXIIIA + CD68	1355 ± 1108	431 ± 243	2450 ± 1337	1875 ± 674	1943 ± 1063
FXIIIA + CD7	144 ± 136	33 ± 31	577 ± 426	430 ± 228	166 ± 242
FXIIIA + CD8a	97 ± 58	93 ± 101	254 ± 155	307 ± 257	106 ± 75
FXIIIA + CK14	73 ± 101	49 ± 70	57 ± 56	62 ± 124	84 ± 77
FXIIIA + CLA	170 ± 94	45 ± 50	374 ± 354	228 ± 148	119 ± 54
FXIIIA + c-myc	472 ± 268	520 ± 654	566 ± 832	112 ± 73	287 ± 210
FXIIIA + Collagen IV	209 ± 160	396 ± 301	881 ± 1025	1094 ± 941	1239 ± 1645
FXIIIA + HLA-DR	4137 ± 1745	3708 ± 1486	5645 ± 3343	5529 ± 2270	6307 ± 3844
FXIIIA + IL-22R	10 ± 24	3 ± 7	7 ± 13	24 ± 29	6 ± 4
FXIIIA + IL-23R	151 ± 106	197 ± 424	171 ± 217	289 ± 91	110 ± 65
FXIIIA + Ki67	22 ± 43	0 ± 1	20 ± 22	30 ± 45	14 ± 21
FXIIIA + PI	2014 ± 820	1112 ± 468	3355 ± 1828	3146 ± 1052	2769 ± 1979
FXIIIA + Podoplanin	316 ± 383	580 ± 334	189 ± 181	180 ± 119	326 ± 228
FXIIIA + SNA1	1630 ± 1235	2612 ± 916	2360 ± 1886	2123 ± 1227	2960 ± 1919
FXIIIA + STAT3	260 ± 341	369 ± 463	264 ± 270	45 ± 47	116 ± 141
FXIIIA + TIA1	186 ± 166	126 ± 181	333 ± 327	106 ± 68	102 ± 53
FXIIIA + Vimentin	2819 ± 1161	2353 ± 821	4844 ± 2053	4422 ± 1200	3200 ± 1301

Tabelle 37: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	4200 ± 1298	2361 ± 1075	2347 ± 1645	3293 ± 3172	3235 ± 1933
HLA-DR + BCL2	3798 ± 2691	492 ± 731	3294 ± 3624	1586 ± 1764	1006 ± 341
HLA-DR + CCR6	1687 ± 1403	423 ± 365	1714 ± 1501	1726 ± 950	655 ± 563
HLA-DR + CD11a	15562 ± 6336	1407 ± 869	15472 ± 7258	6070 ± 4591	6140 ± 4239
HLA-DR + CD11b	5611 ± 2069	2393 ± 1694	2813 ± 1594	10994 ± 4532	10986 ± 3668
HLA-DR + CD120a	708 ± 664	195 ± 260	577 ± 527	521 ± 248	323 ± 98
HLA-DR + CD120b	3804 ± 1935	1109 ± 707	1818 ± 589	4337 ± 3777	1445 ± 952
HLA-DR + CD138	21733 ± 18761	3157 ± 2005	5828 ± 5487	7326 ± 8411	4281 ± 5403
HLA-DR + CD15	1352 ± 861	327 ± 382	1018 ± 1000	560 ± 620	284 ± 188
HLA-DR + CD1a	1879 ± 1622	1176 ± 2013	707 ± 604	1634 ± 1391	644 ± 288
HLA-DR + CD2	10287 ± 5253	997 ± 655	8364 ± 3069	8100 ± 5075	4928 ± 3958
HLA-DR + CD207	1753 ± 746	1160 ± 1234	1598 ± 832	1786 ± 758	1097 ± 252
HLA-DR + CD24	2359 ± 2091	1158 ± 657	2173 ± 693	2416 ± 1776	1957 ± 1540
HLA-DR + CD28	9268 ± 4563	360 ± 794	7001 ± 4714	6318 ± 6177	3433 ± 3039
HLA-DR + CD29	20448 ± 8294	5090 ± 2009	8188 ± 5007	8532 ± 4793	10297 ± 3329
HLA-DR + CD3	13582 ± 7282	3466 ± 1702	14260 ± 6763	12946 ± 8976	6930 ± 4237
HLA-DR + CD31	4168 ± 1325	1752 ± 771	3213 ± 1662	3844 ± 2423	4163 ± 2785
HLA-DR + CD4	12533 ± 6206	1952 ± 1273	10776 ± 4029	10553 ± 6979	9223 ± 4685
HLA-DR + CD44	43452 ± 14974	16628 ± 6854	36017 ± 12378	36028 ± 18157	26836 ± 8192
HLA-DR + CD45	15713 ± 6692	944 ± 590	13229 ± 5579	6647 ± 3344	3825 ± 2852
HLA-DR + CD45RA	5360 ± 2004	755 ± 250	3431 ± 911	2657 ± 1300	2694 ± 1486
HLA-DR + CD45RO	7108 ± 3125	408 ± 323	8039 ± 4922	6102 ± 6293	1704 ± 2313
HLA-DR + CD52	9475 ± 6325	847 ± 1167	9908 ± 7603	6093 ± 6089	3423 ± 4048
HLA-DR + CD54	30132 ± 12385	5791 ± 4135	14657 ± 5945	11060 ± 5890	14010 ± 8408
HLA-DR + CD56	1522 ± 575	952 ± 246	1159 ± 541	1262 ± 822	1242 ± 409
HLA-DR + CD58	11882 ± 15701	2371 ± 3531	3986 ± 5024	5663 ± 7127	4786 ± 4135
HLA-DR + CD62E	1181 ± 571	86 ± 110	1256 ± 1136	444 ± 346	411 ± 331
HLA-DR + CD62P	2142 ± 1491	797 ± 449	1820 ± 996	1718 ± 1307	2114 ± 1351
HLA-DR + CD68	4515 ± 1837	1958 ± 745	5037 ± 1939	3825 ± 1817	5095 ± 2846
HLA-DR + CD7	6305 ± 2642	671 ± 564	9110 ± 5185	5387 ± 3284	3182 ± 2722
HLA-DR + CD8a	3012 ± 1086	876 ± 206	3411 ± 1736	3777 ± 2257	2727 ± 1853
HLA-DR + CK14	25966 ± 20092	4334 ± 3101	9480 ± 7042	10998 ± 11409	8379 ± 10151
HLA-DR + CLA	4779 ± 1652	548 ± 381	4395 ± 2188	2894 ± 995	2181 ± 1082
HLA-DR + c-myc	8167 ± 3540	2853 ± 2056	2754 ± 1763	1583 ± 1332	3056 ± 2962
HLA-DR + Collagen IV	10153 ± 5647	4735 ± 1642	8256 ± 4347	9171 ± 6946	8597 ± 4142
HLA-DR + FXIIIA	4137 ± 1745	3708 ± 1486	5645 ± 3343	5529 ± 2270	6307 ± 3844
HLA-DR + IL-22R	2710 ± 1404	931 ± 966	399 ± 413	1461 ± 1498	2407 ± 1933
HLA-DR + IL-23R	1808 ± 2079	1333 ± 2408	521 ± 577	1528 ± 1885	347 ± 296
HLA-DR + Ki67	804 ± 573	159 ± 108	399 ± 622	354 ± 388	458 ± 786
HLA-DR + PI	27485 ± 5307	7018 ± 1868	19312 ± 10737	20710 ± 12597	17001 ± 6777
HLA-DR + Podoplanin	6268 ± 6096	1353 ± 1186	2354 ± 1918	1217 ± 1005	2468 ± 2375
HLA-DR + SNA1	25876 ± 16967	9895 ± 4543	10811 ± 5144	9825 ± 4177	11622 ± 3521
HLA-DR + STAT3	5642 ± 4520	1996 ± 1628	533 ± 512	1796 ± 2588	991 ± 630
HLA-DR + TIA1	1592 ± 938	276 ± 166	1297 ± 738	982 ± 353	817 ± 733
HLA-DR + Vimentin	24801 ± 3751	9495 ± 3950	19160 ± 7634	17146 ± 6698	13120 ± 6243

Tabelle 38: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 0	9 ± 19	1 ± 2	1 ± 4	3 ± 4
IL-22R + BCL2	497 ± 310	1128 ± 2756	116 ± 119	115 ± 92	1663 ± 2820
IL-22R + CCR6	108 ± 141	264 ± 364	21 ± 13	376 ± 410	56 ± 72
IL-22R + CD11a	72 ± 77	1 ± 2	61 ± 106	38 ± 52	81 ± 111
IL-22R + CD11b	4 ± 6	0 ± 0	4 ± 6	19 ± 34	44 ± 107
IL-22R + CD120a	140 ± 102	132 ± 188	37 ± 26	319 ± 491	173 ± 104
IL-22R + CD120b	4 ± 6	13 ± 28	10 ± 14	28 ± 52	6 ± 7
IL-22R + CD138	11497 ± 5108	2974 ± 2548	2419 ± 2902	4995 ± 3899	8095 ± 5634
IL-22R + CD15	8 ± 13	21 ± 39	3 ± 7	31 ± 65	27 ± 41
IL-22R + CD1a	558 ± 552	464 ± 457	54 ± 42	670 ± 870	432 ± 260
IL-22R + CD2	100 ± 91	1 ± 3	50 ± 80	79 ± 68	87 ± 103
IL-22R + CD207	346 ± 187	501 ± 607	84 ± 60	424 ± 353	564 ± 405
IL-22R + CD24	6 ± 14	0 ± 0	4 ± 4	3 ± 4	18 ± 45
IL-22R + CD28	56 ± 82	6 ± 11	39 ± 69	39 ± 67	18 ± 28
IL-22R + CD29	841 ± 530	1021 ± 1446	253 ± 312	603 ± 652	2737 ± 2847
IL-22R + CD3	63 ± 80	3 ± 5	86 ± 119	75 ± 94	63 ± 86
IL-22R + CD31	0 ± 1	7 ± 18	10 ± 25	18 ± 33	8 ± 13
IL-22R + CD4	27 ± 39	1 ± 4	59 ± 121	48 ± 77	32 ± 36
IL-22R + CD44	2783 ± 1382	1495 ± 1201	1489 ± 1768	2770 ± 1631	5155 ± 3633
IL-22R + CD45	141 ± 147	7 ± 12	88 ± 120	99 ± 104	54 ± 68
IL-22R + CD45RA	7 ± 11	0 ± 1	16 ± 29	9 ± 19	22 ± 54
IL-22R + CD45RO	61 ± 77	3 ± 6	34 ± 35	46 ± 60	15 ± 34
IL-22R + CD52	45 ± 65	16 ± 40	73 ± 125	47 ± 74	9 ± 11
IL-22R + CD54	125 ± 180	14 ± 31	75 ± 123	40 ± 72	109 ± 261
IL-22R + CD56	1 ± 1	0 ± 1	2 ± 3	5 ± 11	7 ± 13
IL-22R + CD58	3372 ± 2686	1540 ± 2286	410 ± 271	1081 ± 1329	4085 ± 3616
IL-22R + CD62E	1 ± 2	7 ± 15	0 ± 1	5 ± 5	4 ± 6
IL-22R + CD62P	1 ± 1	11 ± 29	2 ± 4	2 ± 4	5 ± 8
IL-22R + CD68	45 ± 73	115 ± 147	14 ± 10	161 ± 179	359 ± 362
IL-22R + CD7	49 ± 60	3 ± 8	59 ± 80	45 ± 50	46 ± 94
IL-22R + CD8a	39 ± 42	0 ± 1	27 ± 48	43 ± 49	51 ± 102
IL-22R + CK14	13499 ± 5575	2865 ± 2438	3267 ± 3321	5475 ± 3461	11589 ± 8761
IL-22R + CLA	131 ± 78	24 ± 56	32 ± 16	187 ± 418	204 ± 273
IL-22R + c-myc	5576 ± 5024	2347 ± 2877	302 ± 588	2132 ± 2043	4603 ± 3794
IL-22R + Collagen IV	31 ± 68	10 ± 17	32 ± 43	35 ± 34	45 ± 72
IL-22R + FXIIIA	10 ± 24	3 ± 7	7 ± 13	24 ± 29	6 ± 4
IL-22R + HLA-DR	2710 ± 1404	931 ± 966	399 ± 413	1461 ± 1498	2407 ± 1933
IL-22R + IL-23R	1613 ± 1025	940 ± 1810	74 ± 117	1750 ± 1467	1173 ± 1313
IL-22R + Ki67	150 ± 104	99 ± 149	57 ± 102	116 ± 145	330 ± 296
IL-22R + PI	886 ± 183	1068 ± 1505	332 ± 317	1156 ± 654	2401 ± 1617
IL-22R + Podoplanin	241 ± 433	3 ± 4	165 ± 277	27 ± 65	195 ± 498
IL-22R + SNA1	356 ± 547	136 ± 249	65 ± 65	101 ± 42	156 ± 171
IL-22R + STAT3	7150 ± 3855	2521 ± 2896	226 ± 254	2808 ± 2524	3577 ± 3475
IL-22R + TIA1	9 ± 8	10 ± 20	8 ± 10	13 ± 14	12 ± 17
IL-22R + Vimentin	498 ± 352	229 ± 198	170 ± 103	669 ± 581	687 ± 511

Tabelle 39: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	119 ± 164	112 ± 292	41 ± 72	236 ± 328	8 ± 10
IL-23R + BCL2	1499 ± 1263	546 ± 1063	258 ± 232	376 ± 232	687 ± 845
IL-23R + CCR6	88 ± 67	38 ± 32	70 ± 62	409 ± 241	53 ± 86
IL-23R + CD11a	138 ± 230	12 ± 31	194 ± 291	52 ± 65	11 ± 14
IL-23R + CD11b	238 ± 326	65 ± 127	499 ± 783	336 ± 158	105 ± 68
IL-23R + CD120a	278 ± 306	112 ± 286	191 ± 270	138 ± 143	68 ± 69
IL-23R + CD120b	31 ± 69	4 ± 7	25 ± 48	40 ± 73	2 ± 2
IL-23R + CD138	5521 ± 4408	3451 ± 5846	559 ± 505	3951 ± 2451	2244 ± 2350
IL-23R + CD15	75 ± 129	5 ± 11	230 ± 502	33 ± 70	14 ± 18
IL-23R + CD1a	320 ± 307	447 ± 811	30 ± 37	357 ± 395	166 ± 235
IL-23R + CD2	104 ± 168	9 ± 20	115 ± 164	165 ± 147	25 ± 32
IL-23R + CD207	205 ± 182	145 ± 233	43 ± 43	274 ± 194	158 ± 228
IL-23R + CD24	54 ± 110	1 ± 1	275 ± 458	17 ± 31	4 ± 6
IL-23R + CD28	114 ± 205	7 ± 18	89 ± 136	90 ± 138	5 ± 5
IL-23R + CD29	887 ± 1223	1843 ± 3367	312 ± 403	652 ± 563	718 ± 1111
IL-23R + CD3	118 ± 218	35 ± 84	187 ± 273	132 ± 134	10 ± 15
IL-23R + CD31	136 ± 214	123 ± 346	73 ± 93	255 ± 324	33 ± 43
IL-23R + CD4	226 ± 426	36 ± 83	223 ± 326	223 ± 235	27 ± 28
IL-23R + CD44	1346 ± 1541	2494 ± 4398	546 ± 754	1455 ± 1121	712 ± 868
IL-23R + CD45	174 ± 208	12 ± 21	249 ± 391	119 ± 101	19 ± 18
IL-23R + CD45RA	24 ± 38	25 ± 54	37 ± 32	18 ± 15	17 ± 17
IL-23R + CD45RO	201 ± 306	19 ± 34	458 ± 667	137 ± 165	38 ± 50
IL-23R + CD52	126 ± 169	12 ± 22	114 ± 160	94 ± 174	4 ± 7
IL-23R + CD54	476 ± 783	200 ± 561	428 ± 595	257 ± 229	68 ± 101
IL-23R + CD56	36 ± 36	43 ± 86	44 ± 30	24 ± 17	18 ± 20
IL-23R + CD58	2119 ± 2484	1993 ± 3677	301 ± 458	715 ± 841	1247 ± 1630
IL-23R + CD62E	91 ± 148	18 ± 32	125 ± 141	113 ± 214	10 ± 8
IL-23R + CD62P	105 ± 194	10 ± 24	81 ± 86	181 ± 268	17 ± 18
IL-23R + CD68	204 ± 197	285 ± 558	241 ± 245	507 ± 257	189 ± 152
IL-23R + CD7	66 ± 94	5 ± 13	91 ± 142	55 ± 49	9 ± 16
IL-23R + CD8a	30 ± 47	5 ± 10	20 ± 27	35 ± 32	6 ± 11
IL-23R + CK14	7831 ± 6161	3712 ± 6609	2966 ± 3849	4371 ± 1731	1913 ± 2011
IL-23R + CLA	100 ± 82	4 ± 7	101 ± 148	161 ± 304	38 ± 76
IL-23R + c-myc	5194 ± 3490	1275 ± 2869	1401 ± 1401	2458 ± 1026	2016 ± 2034
IL-23R + Collagen IV	182 ± 275	142 ± 384	203 ± 303	178 ± 228	29 ± 43
IL-23R + FXIIIA	151 ± 106	197 ± 424	171 ± 217	289 ± 91	110 ± 65
IL-23R + HLA-DR	1808 ± 2079	1333 ± 2408	521 ± 577	1528 ± 1885	347 ± 296
IL-23R + IL-22R	1613 ± 1025	940 ± 1810	74 ± 117	1750 ± 1467	1173 ± 1313
IL-23R + Ki67	248 ± 215	132 ± 232	16 ± 16	53 ± 46	49 ± 44
IL-23R + PI	1955 ± 1848	1793 ± 3236	543 ± 566	1262 ± 726	499 ± 589
IL-23R + Podoplanin	72 ± 146	20 ± 35	145 ± 289	13 ± 14	19 ± 17
IL-23R + SNA1	938 ± 1178	622 ± 1243	318 ± 338	351 ± 207	129 ± 81
IL-23R + STAT3	6979 ± 5201	3314 ± 5759	2610 ± 3696	3773 ± 1590	1946 ± 2028
IL-23R + TIA1	72 ± 162	11 ± 19	158 ± 244	12 ± 8	4 ± 6
IL-23R + Vimentin	733 ± 780	594 ± 1167	606 ± 700	812 ± 395	265 ± 238

Tabelle 40: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	9 ± 17	3 ± 7	10 ± 12	0 ± 0	0 ± 1
Ki67 + BCL2	2467 ± 2362	191 ± 334	1683 ± 2596	81 ± 66	232 ± 242
Ki67 + CCR6	18 ± 21	4 ± 4	21 ± 17	34 ± 50	3 ± 3
Ki67 + CD11a	63 ± 82	5 ± 10	84 ± 175	22 ± 34	28 ± 39
Ki67 + CD11b	6 ± 9	2 ± 5	8 ± 21	48 ± 82	28 ± 41
Ki67 + CD120a	18 ± 15	13 ± 10	10 ± 18	22 ± 17	20 ± 21
Ki67 + CD120b	2 ± 3	3 ± 5	2 ± 5	9 ± 24	2 ± 3
Ki67 + CD138	3804 ± 2449	503 ± 502	1535 ± 1796	910 ± 1208	811 ± 1031
Ki67 + CD15	2 ± 4	7 ± 19	1 ± 3	5 ± 7	1 ± 1
Ki67 + CD1a	41 ± 33	24 ± 30	23 ± 43	30 ± 40	32 ± 53
Ki67 + CD2	54 ± 55	5 ± 10	56 ± 89	38 ± 45	28 ± 34
Ki67 + CD207	70 ± 42	70 ± 54	49 ± 50	63 ± 70	48 ± 40
Ki67 + CD24	2 ± 4	0 ± 0	0 ± 0	19 ± 29	15 ± 39
Ki67 + CD28	21 ± 27	3 ± 9	29 ± 64	12 ± 27	6 ± 8
Ki67 + CD29	1435 ± 1218	243 ± 419	360 ± 461	315 ± 196	498 ± 605
Ki67 + CD3	48 ± 46	7 ± 15	77 ± 149	27 ± 38	31 ± 52
Ki67 + CD31	6 ± 12	1 ± 2	10 ± 18	8 ± 21	2 ± 3
Ki67 + CD4	38 ± 53	3 ± 6	37 ± 74	28 ± 40	23 ± 34
Ki67 + CD44	1667 ± 1075	253 ± 266	1191 ± 1271	969 ± 1204	606 ± 812
Ki67 + CD45	64 ± 82	4 ± 6	45 ± 79	34 ± 40	10 ± 13
Ki67 + CD45RA	10 ± 20	1 ± 1	16 ± 27	6 ± 12	16 ± 36
Ki67 + CD45RO	46 ± 74	1 ± 2	52 ± 88	22 ± 33	8 ± 19
Ki67 + CD52	17 ± 18	2 ± 4	49 ± 101	18 ± 26	2 ± 3
Ki67 + CD54	98 ± 176	3 ± 7	31 ± 38	31 ± 60	87 ± 182
Ki67 + CD56	14 ± 21	3 ± 4	15 ± 18	4 ± 7	4 ± 4
Ki67 + CD58	963 ± 1591	59 ± 84	72 ± 139	30 ± 40	254 ± 517
Ki67 + CD62E	0 ± 0	0 ± 0	2 ± 5	4 ± 5	1 ± 1
Ki67 + CD62P	1 ± 2	0 ± 1	2 ± 5	4 ± 5	1 ± 1
Ki67 + CD68	45 ± 56	86 ± 91	48 ± 44	141 ± 150	114 ± 126
Ki67 + CD7	38 ± 45	1 ± 1	55 ± 68	16 ± 16	22 ± 40
Ki67 + CD8a	27 ± 23	1 ± 1	12 ± 24	19 ± 28	13 ± 26
Ki67 + CK14	6327 ± 1619	1098 ± 787	3816 ± 4255	2750 ± 2128	3121 ± 3710
Ki67 + CLA	71 ± 47	1 ± 2	44 ± 65	43 ± 48	43 ± 57
Ki67 + c-myc	1010 ± 1044	223 ± 260	94 ± 102	128 ± 250	149 ± 186
Ki67 + Collagen IV	116 ± 128	22 ± 37	67 ± 59	57 ± 51	40 ± 77
Ki67 + FXIIIA	22 ± 43	0 ± 1	20 ± 22	30 ± 45	14 ± 21
Ki67 + HLA-DR	804 ± 573	159 ± 108	399 ± 622	354 ± 388	458 ± 786
Ki67 + IL-22R	150 ± 104	99 ± 149	57 ± 102	116 ± 145	330 ± 296
Ki67 + IL-23R	248 ± 215	132 ± 232	16 ± 16	53 ± 46	49 ± 44
Ki67 + PI	6555 ± 1657	1134 ± 628	3921 ± 4466	2661 ± 2074	3289 ± 4191
Ki67 + Podoplanin	291 ± 418	12 ± 20	24 ± 31	6 ± 9	35 ± 89
Ki67 + SNA1	680 ± 781	68 ± 145	94 ± 121	103 ± 112	55 ± 78
Ki67 + STAT3	741 ± 695	323 ± 589	14 ± 26	41 ± 70	121 ± 167
Ki67 + TIA1	3 ± 4	0 ± 0	4 ± 6	1 ± 3	2 ± 2
Ki67 + Vimentin	428 ± 154	143 ± 113	284 ± 309	335 ± 215	258 ± 422

Tabelle 41: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	4359 ± 1614	2018 ± 1046	3045 ± 1974	3765 ± 2810	2918 ± 1920
PI + BCL2	13641 ± 9659	2205 ± 3437	9122 ± 9632	3792 ± 4220	2958 ± 1587
PI + CCR6	1191 ± 1156	285 ± 179	1485 ± 1609	1550 ± 1176	485 ± 502
PI + CD11a	15451 ± 7341	873 ± 504	16794 ± 9452	7763 ± 8081	5912 ± 5318
PI + CD11b	3610 ± 1448	984 ± 818	2116 ± 1904	7141 ± 3173	5771 ± 3130
PI + CD120a	179 ± 77	143 ± 146	144 ± 90	324 ± 290	180 ± 92
PI + CD120b	3277 ± 2310	507 ± 275	1329 ± 756	4549 ± 6082	869 ± 675
PI + CD138	22778 ± 8995	6491 ± 2221	10097 ± 5266	11256 ± 8856	6212 ± 4821
PI + CD15	1000 ± 772	136 ± 157	895 ± 1425	373 ± 274	136 ± 92
PI + CD1a	413 ± 279	564 ± 747	236 ± 215	757 ± 833	280 ± 172
PI + CD2	13585 ± 7987	731 ± 392	11538 ± 5983	11926 ± 11844	5481 ± 5511
PI + CD207	764 ± 354	748 ± 619	724 ± 379	1020 ± 584	661 ± 287
PI + CD24	1886 ± 2313	598 ± 373	1648 ± 1111	1566 ± 623	1157 ± 1122
PI + CD28	10695 ± 6410	213 ± 437	7596 ± 6306	8659 ± 11057	3681 ± 3957
PI + CD29	20554 ± 6421	5130 ± 1776	11442 ± 4194	10952 ± 2866	10378 ± 6022
PI + CD3	15669 ± 9685	2136 ± 835	16694 ± 9783	15502 ± 13917	7086 ± 6114
PI + CD31	4637 ± 1737	1396 ± 661	4074 ± 1569	5150 ± 3329	3586 ± 1915
PI + CD4	12749 ± 6210	1126 ± 817	12213 ± 8939	12696 ± 12685	8073 ± 5904
PI + CD44	25167 ± 10829	7185 ± 2453	27673 ± 8636	24083 ± 6764	14635 ± 4733
PI + CD45	15649 ± 9365	568 ± 284	14392 ± 9035	8194 ± 7263	3718 ± 3646
PI + CD45RA	4413 ± 1680	431 ± 209	3738 ± 1658	2626 ± 2126	2016 ± 1652
PI + CD45RO	8139 ± 3934	210 ± 196	9478 ± 6317	8757 ± 11601	1980 ± 3149
PI + CD52	10151 ± 7310	454 ± 555	10357 ± 8948	7962 ± 10850	3662 ± 4772
PI + CD54	23136 ± 12178	2818 ± 1404	12796 ± 7917	9991 ± 7214	9945 ± 6069
PI + CD56	1083 ± 822	562 ± 328	933 ± 342	821 ± 319	579 ± 256
PI + CD58	6918 ± 9060	2181 ± 2586	4846 ± 8138	6669 ± 9936	4142 ± 3177
PI + CD62E	1138 ± 723	50 ± 49	1879 ± 1509	608 ± 550	394 ± 299
PI + CD62P	1999 ± 1510	560 ± 373	1942 ± 1236	1683 ± 987	1609 ± 798
PI + CD68	3781 ± 1990	2354 ± 820	4033 ± 1492	4095 ± 892	4816 ± 2438
PI + CD7	6541 ± 3243	453 ± 450	10249 ± 6146	6866 ± 5886	3325 ± 3307
PI + CD8a	3721 ± 1075	593 ± 189	4414 ± 2118	5386 ± 5365	2853 ± 2897
PI + CK14	36142 ± 10184	11768 ± 1640	26969 ± 5353	25415 ± 12728	21247 ± 9414
PI + CLA	4083 ± 1906	303 ± 157	4065 ± 2211	2758 ± 875	1808 ± 940
PI + c-myc	8461 ± 2921	5033 ± 3839	3313 ± 2025	1444 ± 915	3180 ± 2266
PI + Collagen IV	7013 ± 3796	2876 ± 685	8533 ± 2792	8057 ± 4410	6248 ± 3842
PI + FXIIIA	2014 ± 820	1112 ± 468	3355 ± 1828	3146 ± 1052	2769 ± 1979
PI + HLA-DR	27485 ± 5307	7018 ± 1868	19312 ± 10737	20710 ± 12597	17001 ± 6777
PI + IL-22R	886 ± 183	1068 ± 1505	332 ± 317	1156 ± 654	2401 ± 1617
PI + IL-23R	1955 ± 1848	1793 ± 3236	543 ± 566	1262 ± 726	499 ± 589
PI + Ki67	6555 ± 1657	1134 ± 628	3921 ± 4466	2661 ± 2074	3289 ± 4191
PI + Podoplanin	4458 ± 2568	1189 ± 1013	2749 ± 2478	971 ± 768	1487 ± 1466
PI + SNA1	14192 ± 7635	3867 ± 694	8123 ± 2745	6880 ± 1407	6100 ± 2544
PI + STAT3	6051 ± 4500	4681 ± 3676	1356 ± 2096	1604 ± 1136	1907 ± 2454
PI + TIA1	1378 ± 654	176 ± 136	1570 ± 1099	1298 ± 805	808 ± 981
PI + Vimentin	19638 ± 5572	5602 ± 1419	17670 ± 5352	13601 ± 2323	9719 ± 5425

Tabelle 42: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	395 ± 459	734 ± 1047	62 ± 68	12 ± 21	96 ± 125
Podoplanin + BCL2	1095 ± 1239	77 ± 131	304 ± 214	53 ± 100	57 ± 61
Podoplanin + CCR6	456 ± 475	439 ± 548	331 ± 325	143 ± 151	178 ± 141
Podoplanin + CD11a	1120 ± 1237	175 ± 359	1132 ± 1101	213 ± 304	324 ± 592
Podoplanin + CD11b	309 ± 340	299 ± 498	104 ± 116	213 ± 151	423 ± 321
Podoplanin + CD120a	13 ± 17	4 ± 4	37 ± 53	5 ± 5	9 ± 20
Podoplanin + CD120b	217 ± 144	123 ± 225	147 ± 156	167 ± 221	78 ± 72
Podoplanin + CD138	5865 ± 9666	813 ± 1208	2488 ± 3782	99 ± 209	586 ± 1332
Podoplanin + CD15	134 ± 120	85 ± 152	68 ± 87	23 ± 25	36 ± 27
Podoplanin + CD1a	47 ± 68	15 ± 29	43 ± 82	4 ± 9	18 ± 46
Podoplanin + CD2	912 ± 922	103 ± 176	719 ± 867	317 ± 366	285 ± 546
Podoplanin + CD207	52 ± 34	4 ± 5	106 ± 120	4 ± 10	66 ± 169
Podoplanin + CD24	170 ± 124	201 ± 294	83 ± 48	185 ± 174	177 ± 187
Podoplanin + CD28	745 ± 750	22 ± 23	671 ± 707	319 ± 469	294 ± 664
Podoplanin + CD29	7368 ± 8752	1337 ± 1293	4452 ± 6357	369 ± 326	1362 ± 1960
Podoplanin + CD3	1196 ± 1154	377 ± 754	1965 ± 2170	600 ± 789	515 ± 1015
Podoplanin + CD31	382 ± 579	231 ± 191	576 ± 842	442 ± 667	136 ± 117
Podoplanin + CD4	1053 ± 1570	161 ± 259	1182 ± 1483	403 ± 505	670 ± 1218
Podoplanin + CD44	9306 ± 9678	2272 ± 2064	6942 ± 9290	1233 ± 867	2806 ± 2866
Podoplanin + CD45	1039 ± 1129	123 ± 239	1277 ± 1673	193 ± 250	223 ± 398
Podoplanin + CD45RA	600 ± 611	357 ± 333	335 ± 328	150 ± 124	293 ± 187
Podoplanin + CD45RO	555 ± 602	142 ± 201	499 ± 430	235 ± 309	199 ± 317
Podoplanin + CD52	869 ± 595	103 ± 134	1633 ± 2229	329 ± 511	361 ± 904
Podoplanin + CD54	3429 ± 3279	461 ± 665	1906 ± 2547	267 ± 308	932 ± 1199
Podoplanin + CD56	325 ± 371	776 ± 666	162 ± 137	117 ± 105	283 ± 213
Podoplanin + CD58	3881 ± 7752	172 ± 171	3545 ± 6115	402 ± 774	703 ± 1650
Podoplanin + CD62E	25 ± 50	19 ± 28	2 ± 3	1 ± 2	0 ± 0
Podoplanin + CD62P	67 ± 84	53 ± 68	11 ± 16	1 ± 2	18 ± 26
Podoplanin + CD68	497 ± 450	350 ± 301	313 ± 162	159 ± 121	521 ± 395
Podoplanin + CD7	654 ± 673	146 ± 324	1014 ± 1126	182 ± 187	157 ± 296
Podoplanin + CD8a	238 ± 186	127 ± 236	217 ± 197	100 ± 147	151 ± 263
Podoplanin + CK14	8587 ± 10192	953 ± 1167	7429 ± 12520	157 ± 334	1397 ± 3537
Podoplanin + CLA	297 ± 303	59 ± 82	283 ± 230	108 ± 97	129 ± 154
Podoplanin + c-myc	1819 ± 1608	956 ± 1456	1672 ± 2603	68 ± 111	396 ± 720
Podoplanin + Collagen IV	2417 ± 1992	1499 ± 899	2700 ± 1893	1584 ± 1213	1882 ± 1180
Podoplanin + FXIIIA	316 ± 383	580 ± 334	189 ± 181	180 ± 119	326 ± 228
Podoplanin + HLA-DR	6268 ± 6096	1353 ± 1186	2354 ± 1918	1217 ± 1005	2468 ± 2375
Podoplanin + IL-22R	241 ± 433	3 ± 4	165 ± 277	27 ± 65	195 ± 498
Podoplanin + IL-23R	72 ± 146	20 ± 35	145 ± 289	13 ± 14	19 ± 17
Podoplanin + Ki67	291 ± 418	12 ± 20	24 ± 31	6 ± 9	35 ± 89
Podoplanin + PI	4458 ± 2568	1189 ± 1013	2749 ± 2478	971 ± 768	1487 ± 1466
Podoplanin + SNA1	6274 ± 7026	2004 ± 827	2710 ± 2246	1234 ± 962	1877 ± 572
Podoplanin + STAT3	362 ± 413	870 ± 1364	326 ± 548	19 ± 37	99 ± 152
Podoplanin + TIA1	193 ± 199	184 ± 241	91 ± 74	67 ± 89	99 ± 94
Podoplanin + Vimentin	4174 ± 2123	2357 ± 834	3332 ± 2106	2023 ± 1357	2321 ± 1154

Tabelle 43: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	7824 ± 3543	3243 ± 999	6033 ± 4020	5042 ± 3089	4749 ± 2976
SNA1 + BCL2	2313 ± 2250	231 ± 324	1733 ± 2351	313 ± 312	313 ± 147
SNA1 + CCR6	671 ± 559	219 ± 236	408 ± 248	437 ± 349	206 ± 124
SNA1 + CD11a	5544 ± 5189	571 ± 398	3283 ± 1216	805 ± 369	1092 ± 724
SNA1 + CD11b	3162 ± 2135	1348 ± 736	2401 ± 1955	2887 ± 976	3779 ± 1546
SNA1 + CD120a	271 ± 314	50 ± 72	161 ± 154	135 ± 60	77 ± 44
SNA1 + CD120b	1331 ± 945	595 ± 272	562 ± 299	985 ± 365	672 ± 403
SNA1 + CD138	11039 ± 15217	884 ± 985	1571 ± 1703	1106 ± 1408	495 ± 767
SNA1 + CD15	1210 ± 1162	316 ± 326	1172 ± 1619	416 ± 451	184 ± 119
SNA1 + CD1a	261 ± 245	440 ± 1001	111 ± 101	302 ± 413	62 ± 82
SNA1 + CD2	3746 ± 3425	514 ± 351	2260 ± 1096	1815 ± 1034	1010 ± 659
SNA1 + CD207	313 ± 297	351 ± 679	263 ± 153	254 ± 196	66 ± 66
SNA1 + CD24	1188 ± 1094	670 ± 434	1467 ± 1246	984 ± 517	848 ± 623
SNA1 + CD28	3148 ± 2708	206 ± 465	1446 ± 881	1220 ± 830	720 ± 534
SNA1 + CD29	26701 ± 14988	5623 ± 2163	13217 ± 4558	9139 ± 1875	10120 ± 3493
SNA1 + CD3	4728 ± 4062	1879 ± 1042	3614 ± 1663	3078 ± 1249	1691 ± 771
SNA1 + CD31	7558 ± 3700	2652 ± 1264	7576 ± 2272	6457 ± 2522	5492 ± 3431
SNA1 + CD4	6904 ± 7440	1280 ± 1020	2999 ± 1352	3339 ± 2078	3755 ± 2128
SNA1 + CD44	21751 ± 17973	8639 ± 5100	10594 ± 3083	8745 ± 1924	6983 ± 1976
SNA1 + CD45	5167 ± 5480	460 ± 369	2905 ± 1351	1193 ± 735	689 ± 488
SNA1 + CD45RA	2002 ± 1830	458 ± 196	724 ± 323	535 ± 142	725 ± 262
SNA1 + CD45RO	3365 ± 3612	286 ± 246	2359 ± 1589	1069 ± 884	372 ± 445
SNA1 + CD52	2607 ± 1153	562 ± 875	2283 ± 1197	1197 ± 1045	732 ± 761
SNA1 + CD54	19423 ± 10913	4731 ± 2617	10370 ± 2633	7096 ± 2715	8501 ± 4689
SNA1 + CD56	1069 ± 856	849 ± 327	767 ± 206	710 ± 205	792 ± 309
SNA1 + CD58	7067 ± 10248	1588 ± 2350	2468 ± 2745	2400 ± 2846	2355 ± 1535
SNA1 + CD62E	1737 ± 1503	96 ± 130	2314 ± 2053	621 ± 650	469 ± 365
SNA1 + CD62P	3148 ± 2840	1030 ± 602	3095 ± 1759	2226 ± 1142	2360 ± 1473
SNA1 + CD68	4128 ± 2180	2475 ± 734	3676 ± 2002	2988 ± 1335	3973 ± 1632
SNA1 + CD7	2901 ± 2976	350 ± 275	2334 ± 663	1162 ± 636	674 ± 526
SNA1 + CD8a	1222 ± 956	426 ± 118	774 ± 391	630 ± 119	508 ± 238
SNA1 + CK14	18223 ± 16847	2649 ± 1915	8115 ± 3170	4911 ± 2158	3855 ± 2298
SNA1 + CLA	1591 ± 1103	234 ± 139	1363 ± 867	577 ± 236	380 ± 188
SNA1 + c-myc	18741 ± 6623	3372 ± 2469	10744 ± 7683	4284 ± 2265	5119 ± 5052
SNA1 + Collagen IV	22379 ± 13065	8518 ± 2670	22684 ± 3982	15067 ± 5091	13360 ± 4993
SNA1 + FXIIIA	1630 ± 1235	2612 ± 916	2360 ± 1886	2123 ± 1227	2960 ± 1919
SNA1 + HLA-DR	25876 ± 16967	9895 ± 4543	10811 ± 5144	9825 ± 4177	11622 ± 3521
SNA1 + IL-22R	356 ± 547	136 ± 249	65 ± 65	101 ± 42	156 ± 171
SNA1 + IL-23R	938 ± 1178	622 ± 1243	318 ± 338	351 ± 207	129 ± 81
SNA1 + Ki67	680 ± 781	68 ± 145	94 ± 121	103 ± 112	55 ± 78
SNA1 + PI	14192 ± 7635	3867 ± 694	8123 ± 2745	6880 ± 1407	6100 ± 2544
SNA1 + Podoplanin	6274 ± 7026	2004 ± 827	2710 ± 2246	1234 ± 962	1877 ± 572
SNA1 + STAT3	1172 ± 1116	983 ± 1288	263 ± 306	57 ± 43	135 ± 113
SNA1 + TIA1	908 ± 1038	228 ± 142	1172 ± 943	289 ± 176	213 ± 134
SNA1 + Vimentin	16204 ± 7992	7298 ± 3583	11520 ± 3297	8144 ± 1941	6398 ± 2249

Tabelle 44: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	239 ± 380	1095 ± 2404	102 ± 121	23 ± 34	86 ± 138
STAT3 + BCL2	3163 ± 3484	2202 ± 4590	143 ± 173	211 ± 169	1595 ± 1996
STAT3 + CCR6	386 ± 382	688 ± 504	194 ± 157	548 ± 430	111 ± 104
STAT3 + CD11a	248 ± 227	5 ± 9	63 ± 106	11 ± 12	17 ± 16
STAT3 + CD11b	285 ± 373	16 ± 15	869 ± 1549	23 ± 34	54 ± 56
STAT3 + CD120a	229 ± 341	132 ± 175	26 ± 39	163 ± 335	94 ± 109
STAT3 + CD120b	64 ± 94	41 ± 43	6 ± 5	5 ± 5	5 ± 5
STAT3 + CD138	27815 ± 14945	10393 ± 5172	4266 ± 6168	8407 ± 4053	7389 ± 6322
STAT3 + CD15	249 ± 336	95 ± 149	270 ± 602	30 ± 70	26 ± 24
STAT3 + CD1a	1338 ± 1513	816 ± 733	149 ± 205	732 ± 988	366 ± 372
STAT3 + CD2	294 ± 269	6 ± 10	85 ± 138	60 ± 47	48 ± 67
STAT3 + CD207	762 ± 670	801 ± 747	254 ± 386	404 ± 295	387 ± 473
STAT3 + CD24	200 ± 256	49 ± 90	364 ± 603	4 ± 4	7 ± 8
STAT3 + CD28	168 ± 199	5 ± 6	28 ± 51	7 ± 10	7 ± 9
STAT3 + CD29	1780 ± 1602	4127 ± 4152	454 ± 691	512 ± 597	2002 ± 2959
STAT3 + CD3	206 ± 199	38 ± 59	88 ± 146	33 ± 30	13 ± 13
STAT3 + CD31	49 ± 78	126 ± 201	41 ± 78	25 ± 55	63 ± 121
STAT3 + CD4	125 ± 128	10 ± 11	45 ± 104	13 ± 16	15 ± 11
STAT3 + CD44	5483 ± 4705	4048 ± 3761	1356 ± 2263	3356 ± 2108	2213 ± 1533
STAT3 + CD45	408 ± 463	11 ± 10	66 ± 103	72 ± 117	17 ± 17
STAT3 + CD45RA	206 ± 308	208 ± 300	114 ± 128	22 ± 33	112 ± 180
STAT3 + CD45RO	488 ± 514	157 ± 246	466 ± 494	33 ± 36	84 ± 171
STAT3 + CD52	156 ± 248	60 ± 127	89 ± 83	21 ± 37	9 ± 10
STAT3 + CD54	503 ± 608	70 ± 80	106 ± 181	23 ± 45	76 ± 131
STAT3 + CD56	265 ± 403	699 ± 904	235 ± 253	37 ± 41	133 ± 215
STAT3 + CD58	9254 ± 10130	3364 ± 4183	820 ± 1395	1189 ± 1609	3535 ± 4879
STAT3 + CD62E	48 ± 54	25 ± 46	159 ± 294	20 ± 39	22 ± 34
STAT3 + CD62P	95 ± 146	71 ± 87	90 ± 164	16 ± 38	45 ± 58
STAT3 + CD68	258 ± 343	452 ± 317	249 ± 227	122 ± 80	306 ± 267
STAT3 + CD7	320 ± 362	14 ± 16	75 ± 119	11 ± 10	15 ± 16
STAT3 + CD8a	105 ± 75	9 ± 16	14 ± 21	21 ± 27	9 ± 13
STAT3 + CK14	32133 ± 19129	9760 ± 5997	14579 ± 22172	9717 ± 4549	7488 ± 6334
STAT3 + CLA	254 ± 173	40 ± 70	74 ± 104	164 ± 358	138 ± 330
STAT3 + c-myc	14496 ± 11236	7949 ± 5629	2200 ± 1929	3958 ± 2733	4206 ± 3805
STAT3 + Collagen IV	94 ± 105	359 ± 435	89 ± 199	14 ± 22	43 ± 78
STAT3 + FXIIIA	260 ± 341	369 ± 463	264 ± 270	45 ± 47	116 ± 141
STAT3 + HLA-DR	5642 ± 4520	1996 ± 1628	533 ± 512	1796 ± 2588	991 ± 630
STAT3 + IL-22R	7150 ± 3855	2521 ± 2896	226 ± 254	2808 ± 2524	3577 ± 3475
STAT3 + IL-23R	6979 ± 5201	3314 ± 5759	2610 ± 3696	3773 ± 1590	1946 ± 2028
STAT3 + Ki67	741 ± 695	323 ± 589	14 ± 26	41 ± 70	121 ± 167
STAT3 + PI	6051 ± 4500	4681 ± 3676	1356 ± 2096	1604 ± 1136	1907 ± 2454
STAT3 + Podoplanin	362 ± 413	870 ± 1364	326 ± 548	19 ± 37	99 ± 152
STAT3 + SNA1	1172 ± 1116	983 ± 1288	263 ± 306	57 ± 43	135 ± 113
STAT3 + TIA1	137 ± 155	168 ± 235	224 ± 359	26 ± 29	51 ± 83
STAT3 + Vimentin	997 ± 606	1109 ± 1011	422 ± 422	557 ± 448	330 ± 217

Tabelle 45: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	240 ± 274	185 ± 158	141 ± 122	247 ± 280	79 ± 78
TIA1 + BCL2	241 ± 290	21 ± 27	208 ± 153	415 ± 741	66 ± 71
TIA1 + CCR6	237 ± 189	159 ± 241	152 ± 155	196 ± 168	117 ± 104
TIA1 + CD11a	1504 ± 719	130 ± 120	1351 ± 700	1211 ± 1239	758 ± 856
TIA1 + CD11b	992 ± 841	104 ± 127	2211 ± 2588	805 ± 578	530 ± 813
TIA1 + CD120a	12 ± 18	0 ± 1	15 ± 23	12 ± 20	1 ± 2
TIA1 + CD120b	234 ± 363	17 ± 21	78 ± 73	480 ± 893	46 ± 74
TIA1 + CD138	132 ± 113	134 ± 197	56 ± 28	23 ± 21	54 ± 66
TIA1 + CD15	692 ± 804	68 ± 145	1763 ± 2266	50 ± 45	57 ± 115
TIA1 + CD1a	13 ± 15	10 ± 12	7 ± 6	16 ± 18	3 ± 4
TIA1 + CD2	1287 ± 679	81 ± 68	991 ± 447	1514 ± 1424	710 ± 877
TIA1 + CD207	29 ± 31	7 ± 10	27 ± 35	42 ± 42	17 ± 36
TIA1 + CD24	354 ± 487	39 ± 65	1867 ± 2332	43 ± 42	35 ± 33
TIA1 + CD28	847 ± 676	9 ± 12	551 ± 493	881 ± 1250	304 ± 383
TIA1 + CD29	554 ± 315	245 ± 188	478 ± 181	297 ± 273	204 ± 125
TIA1 + CD3	1365 ± 761	136 ± 100	1330 ± 722	1578 ± 1530	724 ± 901
TIA1 + CD31	240 ± 296	118 ± 126	277 ± 142	166 ± 128	95 ± 95
TIA1 + CD4	962 ± 562	35 ± 30	695 ± 407	1028 ± 1394	460 ± 658
TIA1 + CD44	1288 ± 583	186 ± 111	1541 ± 798	1104 ± 461	704 ± 639
TIA1 + CD45	1285 ± 699	68 ± 59	1250 ± 708	1220 ± 1200	525 ± 620
TIA1 + CD45RA	619 ± 292	244 ± 200	397 ± 118	612 ± 473	470 ± 415
TIA1 + CD45RO	840 ± 539	95 ± 144	1235 ± 920	1019 ± 1402	293 ± 381
TIA1 + CD52	1099 ± 661	55 ± 106	955 ± 747	973 ± 1316	407 ± 685
TIA1 + CD54	1456 ± 938	159 ± 163	1186 ± 586	765 ± 677	519 ± 573
TIA1 + CD56	204 ± 145	139 ± 210	97 ± 73	69 ± 73	93 ± 83
TIA1 + CD58	200 ± 172	130 ± 124	175 ± 247	388 ± 651	131 ± 158
TIA1 + CD62E	181 ± 143	21 ± 31	691 ± 1176	91 ± 123	17 ± 38
TIA1 + CD62P	217 ± 255	50 ± 39	252 ± 126	143 ± 127	50 ± 56
TIA1 + CD68	198 ± 98	86 ± 78	272 ± 125	170 ± 113	226 ± 302
TIA1 + CD7	1076 ± 516	164 ± 196	1072 ± 617	1225 ± 1173	597 ± 670
TIA1 + CD8a	783 ± 282	99 ± 90	865 ± 392	1323 ± 1275	650 ± 802
TIA1 + CK14	153 ± 101	57 ± 87	160 ± 138	42 ± 36	67 ± 84
TIA1 + CLA	531 ± 372	30 ± 23	1056 ± 1354	453 ± 274	238 ± 255
TIA1 + c-myc	206 ± 138	180 ± 244	217 ± 189	35 ± 42	83 ± 94
TIA1 + Collagen IV	347 ± 402	101 ± 73	751 ± 615	293 ± 316	157 ± 168
TIA1 + FXIIIA	186 ± 166	126 ± 181	333 ± 327	106 ± 68	102 ± 53
TIA1 + HLA-DR	1592 ± 938	276 ± 166	1297 ± 738	982 ± 353	817 ± 733
TIA1 + IL-22R	9 ± 8	10 ± 20	8 ± 10	13 ± 14	12 ± 17
TIA1 + IL-23R	72 ± 162	11 ± 19	158 ± 244	12 ± 8	4 ± 6
TIA1 + Ki67	3 ± 4	0 ± 0	4 ± 6	1 ± 3	2 ± 2
TIA1 + PI	1378 ± 654	176 ± 136	1570 ± 1099	1298 ± 805	808 ± 981
TIA1 + Podoplanin	193 ± 199	184 ± 241	91 ± 74	67 ± 89	99 ± 94
TIA1 + SNA1	908 ± 1038	228 ± 142	1172 ± 943	289 ± 176	213 ± 134
TIA1 + STAT3	137 ± 155	168 ± 235	224 ± 359	26 ± 29	51 ± 83
TIA1 + Vimentin	755 ± 400	184 ± 173	812 ± 483	473 ± 254	377 ± 521

Tabelle 46: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für alle n=6 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	4722 ± 1532	1622 ± 738	3426 ± 2214	2563 ± 1620	2149 ± 1746
Vimentin + BCL2	4311 ± 1536	677 ± 835	4804 ± 3676	1525 ± 1045	1152 ± 502
Vimentin + CCR6	1427 ± 1248	278 ± 325	1778 ± 1658	1274 ± 686	467 ± 641
Vimentin + CD11a	7255 ± 3334	591 ± 364	9158 ± 4837	2022 ± 1224	2388 ± 3298
Vimentin + CD11b	3001 ± 1446	1196 ± 470	2049 ± 1485	5643 ± 1482	4791 ± 3351
Vimentin + CD120a	312 ± 154	135 ± 123	338 ± 186	366 ± 229	228 ± 98
Vimentin + CD120b	851 ± 855	108 ± 151	552 ± 228	772 ± 1073	136 ± 299
Vimentin + CD138	6135 ± 3232	1381 ± 836	2821 ± 1045	2762 ± 1225	1507 ± 1801
Vimentin + CD15	459 ± 629	206 ± 269	580 ± 1094	309 ± 520	255 ± 372
Vimentin + CD1a	797 ± 499	610 ± 882	559 ± 379	1150 ± 635	475 ± 334
Vimentin + CD2	6845 ± 3344	589 ± 321	7709 ± 4326	4164 ± 1638	2721 ± 3456
Vimentin + CD207	997 ± 573	720 ± 562	1081 ± 427	1199 ± 283	722 ± 310
Vimentin + CD24	108 ± 121	98 ± 123	560 ± 822	295 ± 329	60 ± 68
Vimentin + CD28	4549 ± 2006	190 ± 399	4108 ± 3197	2184 ± 1811	1309 ± 1954
Vimentin + CD29	13733 ± 2517	3520 ± 1436	9444 ± 3238	6957 ± 2212	6281 ± 3399
Vimentin + CD3	6916 ± 3583	1554 ± 1048	9206 ± 5463	5287 ± 2705	2711 ± 3544
Vimentin + CD31	4874 ± 1804	1165 ± 490	5679 ± 2355	3761 ± 715	2807 ± 2076
Vimentin + CD4	7317 ± 4754	1049 ± 711	7701 ± 5869	4587 ± 2489	3706 ± 3482
Vimentin + CD44	18291 ± 6934	11153 ± 5214	21708 ± 5021	21228 ± 6354	12538 ± 4468
Vimentin + CD45	7521 ± 4092	491 ± 349	7975 ± 4545	2630 ± 1316	1584 ± 2105
Vimentin + CD45RA	1900 ± 992	405 ± 242	1806 ± 838	674 ± 85	876 ± 1048
Vimentin + CD45RO	4481 ± 2731	320 ± 276	5752 ± 3125	2607 ± 2102	1054 ± 1959
Vimentin + CD52	4162 ± 2169	548 ± 835	5338 ± 3751	1932 ± 1215	1276 ± 2393
Vimentin + CD54	17718 ± 6772	3200 ± 2331	12221 ± 5303	6412 ± 1635	6523 ± 5372
Vimentin + CD56	1171 ± 696	995 ± 546	1068 ± 426	890 ± 393	624 ± 292
Vimentin + CD58	3173 ± 3372	1200 ± 1664	3427 ± 4790	2426 ± 2501	2179 ± 2465
Vimentin + CD62E	1107 ± 893	58 ± 55	1668 ± 1485	392 ± 300	340 ± 324
Vimentin + CD62P	1974 ± 1562	581 ± 367	2336 ± 1138	1510 ± 842	1502 ± 1071
Vimentin + CD68	5518 ± 1967	3003 ± 804	6057 ± 1756	5180 ± 1374	5971 ± 4335
Vimentin + CD7	3754 ± 2168	298 ± 168	5985 ± 2821	2341 ± 1069	1373 ± 1952
Vimentin + CD8a	1557 ± 618	427 ± 219	2082 ± 1089	1358 ± 359	1084 ± 1545
Vimentin + CK14	9143 ± 3763	2676 ± 888	7320 ± 2529	6639 ± 1139	4670 ± 4935
Vimentin + CLA	2961 ± 1132	337 ± 200	3124 ± 1302	2025 ± 1033	1339 ± 1214
Vimentin + c-myc	5526 ± 3009	1989 ± 1992	3208 ± 2450	1322 ± 636	2410 ± 3544
Vimentin + Collagen IV	7305 ± 4166	3802 ± 2267	9150 ± 3152	7095 ± 3692	4368 ± 3789
Vimentin + FXIIIA	2819 ± 1161	2353 ± 821	4844 ± 2053	4422 ± 1200	3200 ± 1301
Vimentin + HLA-DR	24801 ± 3751	9495 ± 3950	19160 ± 7634	17146 ± 6698	13120 ± 6243
Vimentin + IL-22R	498 ± 352	229 ± 198	170 ± 103	669 ± 581	687 ± 511
Vimentin + IL-23R	733 ± 780	594 ± 1167	606 ± 700	812 ± 395	265 ± 238
Vimentin + Ki67	428 ± 154	143 ± 113	284 ± 309	335 ± 215	258 ± 422
Vimentin + PI	19638 ± 5572	5602 ± 1419	17670 ± 5352	13601 ± 2323	9719 ± 5425
Vimentin + Podoplanin	4174 ± 2123	2357 ± 834	3332 ± 2106	2023 ± 1357	2321 ± 1154
Vimentin + SNA1	16204 ± 7992	7298 ± 3583	11520 ± 3297	8144 ± 1941	6398 ± 2249
Vimentin + STAT3	997 ± 606	1109 ± 1011	422 ± 422	557 ± 448	330 ± 217
Vimentin + TIA1	755 ± 400	184 ± 173	812 ± 483	473 ± 254	377 ± 521

1.1.2 Duale Koexpression der Gesamthaut für die Responder

Tabelle 47: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	316 ± 258	23 ± 26	833 ± 1632	5 ± 8	34 ± 48
Aktin + CCR6	258 ± 356	103 ± 137	113 ± 131	64 ± 45	66 ± 93
Aktin + CD11a	529 ± 378	96 ± 114	215 ± 225	160 ± 131	158 ± 293
Aktin + CD11b	319 ± 191	281 ± 513	104 ± 185	847 ± 663	548 ± 941
Aktin + CD120a	5 ± 6	2 ± 2	2 ± 4	0 ± 1	3 ± 4
Aktin + CD120b	63 ± 39	33 ± 43	12 ± 3	41 ± 14	10 ± 12
Aktin + CD138	149 ± 286	225 ± 338	94 ± 121	17 ± 17	83 ± 150
Aktin + CD15	120 ± 172	41 ± 52	20 ± 30	125 ± 99	52 ± 56
Aktin + CD1a	4 ± 8	46 ± 107	0 ± 0	0 ± 0	4 ± 8
Aktin + CD2	1150 ± 758	114 ± 188	134 ± 152	894 ± 1276	158 ± 159
Aktin + CD207	24 ± 35	31 ± 69	2 ± 1	3 ± 3	1 ± 1
Aktin + CD24	62 ± 77	25 ± 19	46 ± 55	51 ± 17	19 ± 30
Aktin + CD28	1172 ± 664	43 ± 66	131 ± 185	295 ± 324	200 ± 381
Aktin + CD29	10104 ± 3324	3220 ± 1279	8545 ± 1611	7010 ± 2513	5960 ± 4160
Aktin + CD3	1070 ± 667	530 ± 415	351 ± 311	1433 ± 1396	399 ± 493
Aktin + CD31	5970 ± 2367	2119 ± 1378	5386 ± 1794	5975 ± 3295	3699 ± 2730
Aktin + CD4	2298 ± 1575	681 ± 703	543 ± 422	2689 ± 2924	1845 ± 1796
Aktin + CD44	1037 ± 1351	968 ± 561	1323 ± 928	2822 ± 1654	1254 ± 633
Aktin + CD45	587 ± 259	56 ± 59	111 ± 108	230 ± 259	35 ± 43
Aktin + CD45RA	247 ± 252	173 ± 127	148 ± 84	169 ± 121	128 ± 139
Aktin + CD45RO	296 ± 466	44 ± 63	161 ± 158	93 ± 76	81 ± 156
Aktin + CD52	1642 ± 971	69 ± 100	672 ± 1140	362 ± 479	146 ± 273
Aktin + CD54	8708 ± 3302	2390 ± 1442	6675 ± 2513	6162 ± 3673	4865 ± 3557
Aktin + CD56	728 ± 931	222 ± 260	190 ± 131	155 ± 162	209 ± 224
Aktin + CD58	1324 ± 978	817 ± 1099	811 ± 512	877 ± 1092	1039 ± 951
Aktin + CD62E	1767 ± 1352	81 ± 134	2307 ± 2076	726 ± 798	427 ± 355
Aktin + CD62P	3196 ± 2626	818 ± 628	3608 ± 1579	3417 ± 1804	2179 ± 1615
Aktin + CD68	2746 ± 2562	801 ± 623	2289 ± 726	1977 ± 1194	1447 ± 1086
Aktin + CD7	356 ± 381	236 ± 263	346 ± 294	281 ± 236	211 ± 393
Aktin + CD8a	131 ± 86	93 ± 159	62 ± 48	180 ± 117	32 ± 19
Aktin + CK14	69 ± 128	190 ± 292	42 ± 80	7 ± 14	22 ± 33
Aktin + CLA	97 ± 86	32 ± 50	48 ± 16	111 ± 107	20 ± 28
Aktin + c-myc	4474 ± 5844	754 ± 1097	2752 ± 4272	75 ± 136	214 ± 425
Aktin + Collagen IV	5384 ± 2282	2419 ± 974	7647 ± 1304	7917 ± 3346	4652 ± 3486
Aktin + FXIIIA	373 ± 375	147 ± 132	527 ± 859	457 ± 331	627 ± 912
Aktin + HLA-DR	3970 ± 1596	2005 ± 745	2937 ± 809	4489 ± 3695	3637 ± 2180
Aktin + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4 ± 4
Aktin + IL-23R	156 ± 197	140 ± 340	24 ± 47	348 ± 403	7 ± 8
Aktin + Ki67	3 ± 4	1 ± 1	8 ± 8	0 ± 0	0 ± 1
Aktin + PI	4681 ± 1775	1650 ± 826	4033 ± 990	4808 ± 2922	3002 ± 2074
Aktin + Podoplanin	234 ± 400	428 ± 384	73 ± 83	21 ± 25	124 ± 141
Aktin + SNA1	8059 ± 4500	3250 ± 1121	7843 ± 2590	6732 ± 2365	5189 ± 3525
Aktin + STAT3	257 ± 463	258 ± 342	122 ± 154	16 ± 21	108 ± 161
Aktin + TIA1	177 ± 156	150 ± 97	209 ± 105	369 ± 321	77 ± 76
Aktin + Vimentin	4893 ± 1896	1307 ± 510	4510 ± 1691	3493 ± 843	1930 ± 1568

Tabelle 48: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	316 ± 258	23 ± 26	833 ± 1632	5 ± 8	34 ± 48
BCL2 + CCR6	550 ± 612	245 ± 440	429 ± 480	191 ± 91	137 ± 162
BCL2 + CD11a	2711 ± 2729	217 ± 271	2092 ± 1295	173 ± 82	472 ± 413
BCL2 + CD11b	488 ± 536	81 ± 58	196 ± 136	197 ± 117	314 ± 164
BCL2 + CD120a	23 ± 27	87 ± 191	24 ± 39	2 ± 1	61 ± 50
BCL2 + CD120b	900 ± 1439	66 ± 120	242 ± 176	21 ± 24	9 ± 7
BCL2 + CD138	9702 ± 11883	2516 ± 4626	2017 ± 1818	443 ± 400	3459 ± 3312
BCL2 + CD15	124 ± 213	49 ± 96	11 ± 9	56 ± 55	93 ± 86
BCL2 + CD1a	106 ± 115	446 ± 718	73 ± 117	4 ± 2	104 ± 109
BCL2 + CD2	3155 ± 2824	246 ± 297	2201 ± 1199	286 ± 122	658 ± 598
BCL2 + CD207	201 ± 170	583 ± 1046	123 ± 74	21 ± 8	200 ± 210
BCL2 + CD24	10 ± 8	1 ± 1	11 ± 19	8 ± 13	4 ± 5
BCL2 + CD28	2533 ± 2693	127 ± 286	1141 ± 1123	99 ± 49	300 ± 340
BCL2 + CD29	5243 ± 4344	932 ± 1299	2609 ± 3057	631 ± 402	1815 ± 1298
BCL2 + CD3	2782 ± 2904	316 ± 463	2106 ± 1303	277 ± 111	495 ± 535
BCL2 + CD31	324 ± 302	26 ± 38	836 ± 1641	2 ± 3	54 ± 48
BCL2 + CD4	2346 ± 2179	227 ± 340	1659 ± 1030	194 ± 128	508 ± 430
BCL2 + CD44	4619 ± 3583	1059 ± 1412	3593 ± 2217	647 ± 338	2379 ± 2261
BCL2 + CD45	2929 ± 3003	172 ± 239	2038 ± 1265	232 ± 131	382 ± 449
BCL2 + CD45RA	751 ± 610	48 ± 30	418 ± 323	85 ± 57	163 ± 149
BCL2 + CD45RO	1869 ± 2088	99 ± 146	1711 ± 1363	140 ± 71	174 ± 254
BCL2 + CD52	2401 ± 2618	138 ± 217	1476 ± 1494	160 ± 90	252 ± 384
BCL2 + CD54	3488 ± 2886	288 ± 541	2003 ± 1780	126 ± 103	418 ± 455
BCL2 + CD56	99 ± 42	38 ± 62	109 ± 76	11 ± 16	37 ± 32
BCL2 + CD58	3687 ± 5623	1817 ± 3530	441 ± 705	25 ± 25	1497 ± 1756
BCL2 + CD62E	107 ± 116	4 ± 6	599 ± 1189	4 ± 5	26 ± 28
BCL2 + CD62P	135 ± 105	5 ± 6	537 ± 1066	0 ± 0	46 ± 57
BCL2 + CD68	1257 ± 774	480 ± 388	1357 ± 1040	607 ± 252	912 ± 628
BCL2 + CD7	1465 ± 1158	67 ± 59	1675 ± 1111	173 ± 107	317 ± 390
BCL2 + CD8a	541 ± 423	90 ± 98	629 ± 404	103 ± 57	206 ± 184
BCL2 + CK14	12081 ± 11310	2678 ± 4255	4282 ± 2867	1019 ± 684	4690 ± 3997
BCL2 + CLA	761 ± 589	111 ± 101	756 ± 579	165 ± 72	242 ± 141
BCL2 + c-myc	4806 ± 4164	3087 ± 5840	1644 ± 1596	273 ± 239	3163 ± 4416
BCL2 + Collagen IV	540 ± 496	109 ± 82	1155 ± 1425	162 ± 144	314 ± 214
BCL2 + FXIIIA	288 ± 426	66 ± 60	839 ± 1195	97 ± 83	264 ± 194
BCL2 + HLA-DR	4395 ± 3262	562 ± 851	2191 ± 1899	439 ± 322	1116 ± 338
BCL2 + IL-22R	597 ± 347	1389 ± 3207	108 ± 110	125 ± 125	2225 ± 3243
BCL2 + IL-23R	1461 ± 1475	546 ± 1230	171 ± 219	306 ± 295	934 ± 897
BCL2 + Ki67	3137 ± 2738	238 ± 381	1226 ± 1582	92 ± 89	246 ± 284
BCL2 + PI	15912 ± 11611	2720 ± 3906	7426 ± 5913	1193 ± 548	3469 ± 1589
BCL2 + Podoplanin	1261 ± 1447	96 ± 148	145 ± 108	8 ± 9	28 ± 29
BCL2 + SNA1	2200 ± 2896	260 ± 375	1530 ± 2565	88 ± 64	278 ± 130
BCL2 + STAT3	3430 ± 4381	2731 ± 5299	162 ± 212	188 ± 180	2212 ± 2074
BCL2 + TIA1	309 ± 347	26 ± 30	202 ± 170	47 ± 33	61 ± 75
BCL2 + Vimentin	4340 ± 1750	812 ± 935	3682 ± 3272	795 ± 342	1223 ± 595

Tabelle 49: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	258 ± 356	103 ± 137	113 ± 131	64 ± 45	66 ± 93
CCR6 + BCL2	550 ± 612	245 ± 440	429 ± 480	191 ± 91	137 ± 162
CCR6 + CD11a	1276 ± 1417	66 ± 60	1404 ± 1800	593 ± 390	282 ± 281
CCR6 + CD11b	454 ± 760	58 ± 81	79 ± 71	816 ± 561	219 ± 95
CCR6 + CD120a	10 ± 4	17 ± 15	5 ± 3	56 ± 45	6 ± 6
CCR6 + CD120b	385 ± 554	13 ± 17	135 ± 143	94 ± 112	9 ± 6
CCR6 + CD138	535 ± 320	712 ± 378	361 ± 313	1064 ± 850	148 ± 119
CCR6 + CD15	55 ± 80	28 ± 41	33 ± 41	43 ± 25	23 ± 23
CCR6 + CD1a	27 ± 4	72 ± 78	55 ± 65	84 ± 35	14 ± 18
CCR6 + CD2	1185 ± 1323	64 ± 62	1053 ± 1203	926 ± 733	306 ± 327
CCR6 + CD207	112 ± 106	89 ± 104	88 ± 106	159 ± 28	22 ± 26
CCR6 + CD24	59 ± 67	13 ± 14	30 ± 37	72 ± 91	9 ± 4
CCR6 + CD28	1012 ± 1119	11 ± 8	933 ± 1291	391 ± 271	189 ± 211
CCR6 + CD29	780 ± 716	309 ± 185	401 ± 492	428 ± 250	174 ± 66
CCR6 + CD3	1399 ± 1573	91 ± 69	1380 ± 1727	989 ± 684	303 ± 320
CCR6 + CD31	71 ± 81	38 ± 80	10 ± 12	51 ± 55	11 ± 9
CCR6 + CD4	939 ± 963	48 ± 31	915 ± 1083	805 ± 585	281 ± 261
CCR6 + CD44	1777 ± 1772	283 ± 158	1702 ± 1893	2111 ± 597	467 ± 305
CCR6 + CD45	1394 ± 1553	53 ± 35	1346 ± 1623	769 ± 574	261 ± 282
CCR6 + CD45RA	529 ± 485	176 ± 149	419 ± 441	431 ± 242	229 ± 82
CCR6 + CD45RO	904 ± 753	63 ± 72	1186 ± 1581	439 ± 381	145 ± 118
CCR6 + CD52	1089 ± 1324	48 ± 61	1318 ± 1921	610 ± 421	230 ± 287
CCR6 + CD54	1562 ± 1874	53 ± 30	1004 ± 1480	464 ± 416	228 ± 225
CCR6 + CD56	289 ± 318	210 ± 192	326 ± 358	286 ± 250	161 ± 133
CCR6 + CD58	254 ± 171	203 ± 281	218 ± 235	189 ± 114	98 ± 55
CCR6 + CD62E	38 ± 43	0 ± 1	8 ± 13	8 ± 8	4 ± 4
CCR6 + CD62P	67 ± 91	5 ± 7	8 ± 13	23 ± 27	19 ± 17
CCR6 + CD68	587 ± 485	99 ± 67	591 ± 617	510 ± 345	185 ± 59
CCR6 + CD7	724 ± 635	32 ± 27	1098 ± 1482	551 ± 525	176 ± 213
CCR6 + CD8a	355 ± 332	35 ± 38	439 ± 579	379 ± 278	135 ± 126
CCR6 + CK14	570 ± 292	536 ± 277	397 ± 228	1066 ± 804	121 ± 109
CCR6 + CLA	482 ± 607	46 ± 63	470 ± 550	441 ± 325	139 ± 92
CCR6 + c-myc	408 ± 264	772 ± 444	265 ± 275	618 ± 629	131 ± 104
CCR6 + Collagen IV	56 ± 32	13 ± 15	135 ± 181	270 ± 255	25 ± 20
CCR6 + FXIIIA	378 ± 390	201 ± 192	500 ± 587	446 ± 221	195 ± 83
CCR6 + HLA-DR	1881 ± 1488	403 ± 316	1645 ± 1909	1745 ± 867	526 ± 192
CCR6 + IL-22R	128 ± 177	343 ± 394	16 ± 16	581 ± 446	32 ± 31
CCR6 + IL-23R	62 ± 53	36 ± 37	35 ± 27	485 ± 302	65 ± 102
CCR6 + Ki67	7 ± 11	4 ± 4	15 ± 18	47 ± 65	2 ± 2
CCR6 + PI	1299 ± 1280	302 ± 153	1254 ± 1513	1117 ± 477	354 ± 325
CCR6 + Podoplanin	395 ± 382	313 ± 279	248 ± 342	186 ± 191	172 ± 154
CCR6 + SNA1	591 ± 386	177 ± 156	340 ± 329	498 ± 439	185 ± 69
CCR6 + STAT3	378 ± 459	658 ± 358	200 ± 206	715 ± 521	145 ± 106
CCR6 + TIA1	271 ± 192	97 ± 120	176 ± 212	192 ± 175	110 ± 85
CCR6 + Vimentin	1531 ± 1297	203 ± 146	1111 ± 1087	1259 ± 702	256 ± 110

Tabelle 50: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	529 ± 378	96 ± 114	215 ± 225	160 ± 131	158 ± 293
CD11a + BCL2	2711 ± 2729	217 ± 271	2092 ± 1295	173 ± 82	472 ± 413
CD11a + CCR6	1276 ± 1417	66 ± 60	1404 ± 1800	593 ± 390	282 ± 281
CD11a + CD11b	2808 ± 1762	611 ± 530	883 ± 625	2166 ± 1111	2200 ± 1235
CD11a + CD120a	165 ± 288	4 ± 5	80 ± 44	11 ± 8	33 ± 49
CD11a + CD120b	3714 ± 3793	207 ± 245	1357 ± 588	338 ± 144	246 ± 305
CD11a + CD138	533 ± 782	1 ± 1	254 ± 158	44 ± 32	46 ± 41
CD11a + CD15	567 ± 420	21 ± 27	203 ± 238	38 ± 29	29 ± 32
CD11a + CD1a	159 ± 138	295 ± 722	173 ± 218	26 ± 17	90 ± 115
CD11a + CD2	18001 ± 10520	968 ± 515	11169 ± 2952	3201 ± 180	3945 ± 2693
CD11a + CD207	548 ± 639	277 ± 652	582 ± 491	171 ± 93	223 ± 218
CD11a + CD24	436 ± 428	99 ± 139	596 ± 328	310 ± 276	354 ± 495
CD11a + CD28	16110 ± 9652	327 ± 626	7571 ± 7245	1990 ± 1259	3041 ± 2769
CD11a + CD29	2929 ± 698	282 ± 253	2288 ± 2239	558 ± 405	988 ± 878
CD11a + CD3	20787 ± 12594	1683 ± 1016	16253 ± 8928	4267 ± 2024	4978 ± 3018
CD11a + CD31	272 ± 184	90 ± 95	248 ± 317	68 ± 57	176 ± 254
CD11a + CD4	14880 ± 5052	894 ± 584	11133 ± 3248	2753 ± 998	4237 ± 2761
CD11a + CD44	12301 ± 4920	1649 ± 872	18229 ± 9334	4411 ± 2214	5261 ± 2874
CD11a + CD45	20813 ± 12592	824 ± 518	16355 ± 7765	2935 ± 455	3393 ± 2506
CD11a + CD45RA	4351 ± 941	337 ± 209	3308 ± 647	909 ± 528	1106 ± 442
CD11a + CD45RO	10319 ± 5318	278 ± 224	9932 ± 7693	1763 ± 753	1067 ± 1275
CD11a + CD52	15900 ± 10500	428 ± 529	11051 ± 11986	1804 ± 316	2533 ± 2904
CD11a + CD54	18326 ± 13204	1013 ± 1011	9642 ± 9182	1604 ± 737	3590 ± 3534
CD11a + CD56	426 ± 251	37 ± 30	332 ± 171	76 ± 57	94 ± 55
CD11a + CD58	1650 ± 2767	377 ± 866	272 ± 216	155 ± 134	723 ± 969
CD11a + CD62E	149 ± 99	9 ± 14	116 ± 132	4 ± 4	24 ± 46
CD11a + CD62P	206 ± 240	28 ± 12	126 ± 121	17 ± 18	53 ± 82
CD11a + CD68	1244 ± 557	98 ± 70	1991 ± 377	121 ± 39	324 ± 140
CD11a + CD7	8128 ± 2281	593 ± 582	12044 ± 7999	2303 ± 633	2814 ± 2395
CD11a + CD8a	4570 ± 1536	660 ± 429	4960 ± 2345	1941 ± 977	2127 ± 1045
CD11a + CK14	672 ± 991	3 ± 3	825 ± 540	84 ± 70	196 ± 244
CD11a + CLA	4670 ± 2408	349 ± 277	4461 ± 2260	1262 ± 190	1334 ± 152
CD11a + c-myc	629 ± 385	15 ± 15	329 ± 327	20 ± 23	64 ± 113
CD11a + Collagen IV	1199 ± 1332	237 ± 202	2673 ± 1706	669 ± 362	842 ± 1107
CD11a + FXIIIA	224 ± 27	62 ± 23	755 ± 539	212 ± 121	334 ± 389
CD11a + HLA-DR	15568 ± 7819	1641 ± 887	14528 ± 9335	3813 ± 2736	5152 ± 2723
CD11a + IL-22R	61 ± 90	1 ± 3	8 ± 8	12 ± 12	55 ± 106
CD11a + IL-23R	155 ± 295	15 ± 36	7 ± 8	19 ± 9	8 ± 11
CD11a + Ki67	11 ± 12	6 ± 12	24 ± 28	20 ± 35	8 ± 5
CD11a + PI	16531 ± 8032	999 ± 529	14669 ± 8638	3510 ± 1920	4499 ± 3130
CD11a + Podoplanin	682 ± 309	227 ± 409	547 ± 519	76 ± 79	81 ± 52
CD11a + SNA1	3504 ± 4194	645 ± 440	2815 ± 1360	573 ± 93	892 ± 582
CD11a + STAT3	177 ± 218	6 ± 10	37 ± 70	13 ± 13	14 ± 9
CD11a + TIA1	1723 ± 766	165 ± 119	1275 ± 940	707 ± 202	519 ± 429
CD11a + Vimentin	6612 ± 2790	634 ± 420	6557 ± 2753	1386 ± 269	1169 ± 376

Tabelle 51: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	319 ± 191	281 ± 513	104 ± 185	847 ± 663	548 ± 941
CD11b + BCL2	488 ± 536	81 ± 58	196 ± 136	197 ± 117	314 ± 164
CD11b + CCR6	454 ± 760	58 ± 81	79 ± 71	816 ± 561	219 ± 95
CD11b + CD11a	2808 ± 1762	611 ± 530	883 ± 625	2166 ± 1111	2200 ± 1235
CD11b + CD120a	57 ± 51	3 ± 4	11 ± 13	15 ± 12	12 ± 14
CD11b + CD120b	505 ± 641	163 ± 182	90 ± 58	686 ± 227	271 ± 249
CD11b + CD138	90 ± 123	4 ± 7	14 ± 11	26 ± 18	46 ± 47
CD11b + CD15	1723 ± 1601	86 ± 107	862 ± 1588	248 ± 79	89 ± 39
CD11b + CD1a	18 ± 15	49 ± 119	2 ± 2	7 ± 7	25 ± 51
CD11b + CD2	2278 ± 1961	442 ± 388	459 ± 230	3734 ± 836	1972 ± 753
CD11b + CD207	107 ± 194	10 ± 23	14 ± 22	136 ± 158	56 ± 97
CD11b + CD24	559 ± 624	188 ± 241	758 ± 1455	888 ± 451	456 ± 473
CD11b + CD28	1722 ± 1547	43 ± 41	242 ± 242	1422 ± 946	1159 ± 914
CD11b + CD29	1343 ± 512	630 ± 588	468 ± 506	2435 ± 1485	2332 ± 1861
CD11b + CD3	2640 ± 2465	864 ± 785	584 ± 423	4321 ± 1703	2176 ± 956
CD11b + CD31	414 ± 404	234 ± 356	244 ± 399	642 ± 445	686 ± 1097
CD11b + CD4	2133 ± 1011	753 ± 925	577 ± 319	3997 ± 2047	3668 ± 1884
CD11b + CD44	3425 ± 2345	2049 ± 1123	1761 ± 658	11497 ± 2630	6726 ± 2154
CD11b + CD45	3064 ± 2447	334 ± 319	853 ± 688	2900 ± 1823	1432 ± 425
CD11b + CD45RA	585 ± 339	322 ± 292	242 ± 168	1207 ± 251	1018 ± 196
CD11b + CD45RO	1681 ± 645	119 ± 65	804 ± 909	1669 ± 828	476 ± 326
CD11b + CD52	2310 ± 2131	135 ± 179	425 ± 418	1522 ± 320	938 ± 1024
CD11b + CD54	4536 ± 3255	989 ± 835	970 ± 724	3316 ± 1943	3811 ± 2890
CD11b + CD56	167 ± 94	128 ± 133	51 ± 38	438 ± 293	410 ± 233
CD11b + CD58	169 ± 204	114 ± 181	20 ± 22	223 ± 266	599 ± 865
CD11b + CD62E	452 ± 390	23 ± 24	348 ± 542	43 ± 30	110 ± 225
CD11b + CD62P	371 ± 331	75 ± 97	232 ± 313	124 ± 95	275 ± 485
CD11b + CD68	1095 ± 1038	296 ± 112	675 ± 317	1424 ± 541	1858 ± 1093
CD11b + CD7	1012 ± 603	343 ± 435	480 ± 274	1894 ± 351	1169 ± 934
CD11b + CD8a	351 ± 212	318 ± 345	144 ± 135	1298 ± 466	790 ± 370
CD11b + CK14	202 ± 189	2 ± 2	26 ± 25	62 ± 42	78 ± 73
CD11b + CLA	1224 ± 614	151 ± 138	490 ± 624	1337 ± 258	705 ± 182
CD11b + c-myc	422 ± 163	48 ± 28	178 ± 316	111 ± 102	153 ± 162
CD11b + Collagen IV	640 ± 729	489 ± 572	405 ± 458	3218 ± 1584	1711 ± 1713
CD11b + FXIIIA	1393 ± 979	1093 ± 857	1004 ± 564	4652 ± 695	4051 ± 2830
CD11b + HLA-DR	5528 ± 2652	2865 ± 1715	2047 ± 1312	12971 ± 5164	10194 ± 3707
CD11b + IL-22R	5 ± 7	0 ± 0	1 ± 1	2 ± 2	5 ± 6
CD11b + IL-23R	295 ± 404	77 ± 147	16 ± 28	247 ± 61	98 ± 80
CD11b + Ki67	0 ± 0	3 ± 6	0 ± 0	73 ± 107	4 ± 4
CD11b + PI	3566 ± 1516	1144 ± 895	1299 ± 1142	7228 ± 2359	5084 ± 2675
CD11b + Podoplanin	204 ± 141	382 ± 561	30 ± 29	214 ± 147	264 ± 179
CD11b + SNA1	2230 ± 1731	1569 ± 719	1258 ± 1106	3420 ± 171	3530 ± 1780
CD11b + STAT3	215 ± 336	16 ± 17	20 ± 38	12 ± 16	52 ± 68
CD11b + TIA1	1135 ± 1045	129 ± 138	653 ± 944	657 ± 234	248 ± 104
CD11b + Vimentin	2879 ± 1848	1296 ± 511	1181 ± 270	6621 ± 1113	3428 ± 1008

Tabelle 52: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	5 ± 6	2 ± 2	2 ± 4	0 ± 1	3 ± 4
CD120a + BCL2	23 ± 27	87 ± 191	24 ± 39	2 ± 1	61 ± 50
CD120a + CCR6	10 ± 4	17 ± 15	5 ± 3	56 ± 45	6 ± 6
CD120a + CD11a	165 ± 288	4 ± 5	80 ± 44	11 ± 8	33 ± 49
CD120a + CD11b	57 ± 51	3 ± 4	11 ± 13	15 ± 12	12 ± 14
CD120a + CD120b	26 ± 45	7 ± 12	21 ± 24	5 ± 5	10 ± 15
CD120a + CD138	214 ± 117	217 ± 175	193 ± 155	767 ± 812	263 ± 150
CD120a + CD15	20 ± 22	9 ± 18	1 ± 2	6 ± 10	12 ± 7
CD120a + CD1a	71 ± 30	177 ± 165	211 ± 150	357 ± 214	158 ± 44
CD120a + CD2	40 ± 44	1 ± 2	38 ± 46	51 ± 37	47 ± 54
CD120a + CD207	130 ± 68	193 ± 113	259 ± 163	370 ± 175	244 ± 72
CD120a + CD24	8 ± 11	0 ± 0	5 ± 7	5 ± 6	12 ± 16
CD120a + CD28	103 ± 152	7 ± 13	36 ± 33	8 ± 9	17 ± 19
CD120a + CD29	85 ± 58	116 ± 122	82 ± 116	237 ± 346	133 ± 74
CD120a + CD3	84 ± 108	5 ± 7	50 ± 41	26 ± 23	27 ± 33
CD120a + CD31	10 ± 14	1 ± 2	2 ± 2	1 ± 1	6 ± 9
CD120a + CD4	238 ± 406	5 ± 5	82 ± 71	24 ± 21	30 ± 24
CD120a + CD44	321 ± 369	175 ± 197	262 ± 75	643 ± 400	253 ± 65
CD120a + CD45	169 ± 214	18 ± 19	140 ± 96	104 ± 89	43 ± 51
CD120a + CD45RA	41 ± 68	0 ± 0	5 ± 9	2 ± 3	3 ± 3
CD120a + CD45RO	66 ± 109	5 ± 7	83 ± 62	19 ± 14	5 ± 6
CD120a + CD52	84 ± 107	3 ± 5	16 ± 18	11 ± 9	8 ± 12
CD120a + CD54	371 ± 544	8 ± 14	130 ± 101	6 ± 9	24 ± 39
CD120a + CD56	4 ± 5	2 ± 2	0 ± 0	0 ± 1	1 ± 2
CD120a + CD58	87 ± 128	134 ± 174	99 ± 107	227 ± 275	166 ± 153
CD120a + CD62E	5 ± 7	0 ± 1	2 ± 4	0 ± 0	1 ± 1
CD120a + CD62P	5 ± 7	1 ± 1	1 ± 1	0 ± 0	3 ± 6
CD120a + CD68	80 ± 59	89 ± 66	72 ± 60	183 ± 94	132 ± 85
CD120a + CD7	32 ± 39	0 ± 0	56 ± 50	21 ± 23	13 ± 12
CD120a + CD8a	32 ± 56	1 ± 2	6 ± 4	10 ± 12	4 ± 3
CD120a + CK14	211 ± 99	336 ± 292	267 ± 163	971 ± 1121	411 ± 171
CD120a + CLA	99 ± 58	5 ± 11	128 ± 87	140 ± 244	71 ± 90
CD120a + c-myc	52 ± 29	168 ± 169	26 ± 14	58 ± 42	109 ± 43
CD120a + Collagen IV	132 ± 205	8 ± 8	42 ± 39	55 ± 25	37 ± 40
CD120a + FXIIIA	11 ± 6	8 ± 8	15 ± 10	11 ± 16	10 ± 12
CD120a + HLA-DR	753 ± 853	249 ± 285	315 ± 107	491 ± 229	335 ± 54
CD120a + IL-22R	83 ± 54	168 ± 207	54 ± 20	527 ± 589	206 ± 107
CD120a + IL-23R	162 ± 263	139 ± 333	33 ± 31	197 ± 172	67 ± 70
CD120a + Ki67	13 ± 11	15 ± 11	16 ± 23	34 ± 6	13 ± 5
CD120a + PI	147 ± 78	182 ± 150	133 ± 86	400 ± 366	198 ± 104
CD120a + Podoplanin	17 ± 21	5 ± 4	7 ± 8	3 ± 4	2 ± 1
CD120a + SNA1	256 ± 404	63 ± 80	83 ± 62	115 ± 49	75 ± 48
CD120a + STAT3	47 ± 21	164 ± 194	4 ± 4	279 ± 428	129 ± 111
CD120a + TIA1	13 ± 21	1 ± 1	3 ± 3	2 ± 2	1 ± 2
CD120a + Vimentin	270 ± 164	171 ± 121	336 ± 209	483 ± 250	214 ± 57

Tabelle 53: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	63 ± 39	33 ± 43	12 ± 3	41 ± 14	10 ± 12
CD120b + BCL2	900 ± 1439	66 ± 120	242 ± 176	21 ± 24	9 ± 7
CD120b + CCR6	385 ± 554	13 ± 17	135 ± 143	94 ± 112	9 ± 6
CD120b + CD11a	3714 ± 3793	207 ± 245	1357 ± 588	338 ± 144	246 ± 305
CD120b + CD11b	505 ± 641	163 ± 182	90 ± 58	686 ± 227	271 ± 249
CD120b + CD120a	26 ± 45	7 ± 12	21 ± 24	5 ± 5	10 ± 15
CD120b + CD138	59 ± 67	15 ± 23	22 ± 28	2 ± 1	9 ± 16
CD120b + CD15	909 ± 1340	221 ± 320	72 ± 85	567 ± 137	142 ± 132
CD120b + CD1a	65 ± 49	158 ± 368	30 ± 23	6 ± 9	10 ± 19
CD120b + CD2	2984 ± 3906	130 ± 210	850 ± 359	378 ± 258	94 ± 76
CD120b + CD207	212 ± 319	122 ± 292	122 ± 62	47 ± 26	14 ± 17
CD120b + CD24	2827 ± 3779	1150 ± 673	1745 ± 477	2822 ± 1750	1774 ± 1445
CD120b + CD28	3519 ± 3723	132 ± 277	960 ± 438	413 ± 173	213 ± 273
CD120b + CD29	2689 ± 1707	817 ± 536	1498 ± 330	1582 ± 690	968 ± 546
CD120b + CD3	4121 ± 3804	469 ± 366	1642 ± 591	1050 ± 377	338 ± 319
CD120b + CD31	35 ± 40	27 ± 31	8 ± 9	33 ± 53	13 ± 10
CD120b + CD4	3207 ± 3560	164 ± 293	1002 ± 339	407 ± 251	159 ± 136
CD120b + CD44	5136 ± 2757	1475 ± 783	3170 ± 1175	3375 ± 1635	1900 ± 1388
CD120b + CD45	3702 ± 3810	185 ± 269	1299 ± 424	474 ± 292	143 ± 115
CD120b + CD45RA	941 ± 466	49 ± 49	259 ± 121	409 ± 247	250 ± 132
CD120b + CD45RO	2290 ± 2906	53 ± 103	816 ± 361	153 ± 174	25 ± 27
CD120b + CD52	3187 ± 3731	144 ± 238	944 ± 706	318 ± 165	233 ± 319
CD120b + CD54	4346 ± 3772	382 ± 482	942 ± 602	481 ± 271	478 ± 474
CD120b + CD56	70 ± 55	23 ± 19	33 ± 16	51 ± 44	21 ± 11
CD120b + CD58	500 ± 816	166 ± 351	49 ± 33	41 ± 41	84 ± 119
CD120b + CD62E	18 ± 13	9 ± 15	8 ± 12	1 ± 2	0 ± 0
CD120b + CD62P	563 ± 1079	82 ± 98	8 ± 7	13 ± 19	24 ± 28
CD120b + CD68	292 ± 275	11 ± 19	191 ± 119	54 ± 48	27 ± 15
CD120b + CD7	1928 ± 1790	81 ± 88	1294 ± 503	347 ± 208	158 ± 208
CD120b + CD8a	628 ± 486	60 ± 47	308 ± 182	206 ± 71	104 ± 99
CD120b + CK14	70 ± 90	18 ± 29	41 ± 43	20 ± 22	9 ± 12
CD120b + CLA	737 ± 836	47 ± 45	459 ± 159	180 ± 88	44 ± 31
CD120b + c-myc	134 ± 79	21 ± 27	27 ± 43	13 ± 15	7 ± 11
CD120b + Collagen IV	349 ± 318	136 ± 54	381 ± 61	608 ± 222	220 ± 234
CD120b + FXIIIA	50 ± 56	16 ± 17	50 ± 38	47 ± 6	26 ± 14
CD120b + HLA-DR	4490 ± 1991	1124 ± 769	2072 ± 631	2569 ± 1602	1326 ± 1106
CD120b + IL-22R	5 ± 7	17 ± 31	5 ± 6	1 ± 1	5 ± 8
CD120b + IL-23R	44 ± 86	3 ± 8	3 ± 3	3 ± 4	2 ± 3
CD120b + Ki67	2 ± 3	3 ± 6	0 ± 0	0 ± 0	1 ± 1
CD120b + PI	4138 ± 2287	489 ± 298	1633 ± 789	1416 ± 307	717 ± 697
CD120b + Podoplanin	180 ± 58	138 ± 262	85 ± 79	68 ± 63	42 ± 41
CD120b + SNA1	1215 ± 1147	619 ± 302	607 ± 356	854 ± 213	602 ± 434
CD120b + STAT3	88 ± 112	43 ± 49	3 ± 4	2 ± 1	5 ± 6
CD120b + TIA1	337 ± 421	12 ± 9	90 ± 91	47 ± 39	22 ± 14
CD120b + Vimentin	1127 ± 948	99 ± 173	454 ± 233	164 ± 108	22 ± 12

Tabelle 54: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	149 ± 286	225 ± 338	94 ± 121	17 ± 17	83 ± 150
CD138 + BCL2	9702 ± 11883	2516 ± 4626	2017 ± 1818	443 ± 400	3459 ± 3312
CD138 + CCR6	535 ± 320	712 ± 378	361 ± 313	1064 ± 850	148 ± 119
CD138 + CD11a	533 ± 782	1 ± 1	254 ± 158	44 ± 32	46 ± 41
CD138 + CD11b	90 ± 123	4 ± 7	14 ± 11	26 ± 18	46 ± 47
CD138 + CD120a	214 ± 117	217 ± 175	193 ± 155	767 ± 812	263 ± 150
CD138 + CD120b	59 ± 67	15 ± 23	22 ± 28	2 ± 1	9 ± 16
CD138 + CD15	95 ± 103	35 ± 33	19 ± 26	68 ± 111	57 ± 26
CD138 + CD1a	892 ± 383	926 ± 497	1397 ± 1098	1947 ± 1195	700 ± 420
CD138 + CD2	991 ± 1233	1 ± 1	378 ± 289	242 ± 149	133 ± 147
CD138 + CD207	1292 ± 689	1271 ± 629	1023 ± 419	1392 ± 245	915 ± 402
CD138 + CD24	49 ± 79	6 ± 12	15 ± 22	6 ± 9	16 ± 19
CD138 + CD28	279 ± 290	3 ± 5	56 ± 38	10 ± 12	17 ± 15
CD138 + CD29	21208 ± 20622	3347 ± 2139	6230 ± 5518	4802 ± 1895	5039 ± 5109
CD138 + CD3	795 ± 1139	14 ± 20	335 ± 294	127 ± 105	32 ± 29
CD138 + CD31	7 ± 14	94 ± 225	9 ± 15	13 ± 22	2 ± 5
CD138 + CD4	89 ± 117	4 ± 6	25 ± 17	34 ± 49	21 ± 16
CD138 + CD44	32657 ± 31389	5028 ± 3263	27723 ± 6090	15745 ± 8012	6303 ± 1366
CD138 + CD45	559 ± 481	13 ± 15	284 ± 147	331 ± 501	44 ± 38
CD138 + CD45RA	181 ± 199	58 ± 65	117 ± 143	27 ± 19	103 ± 153
CD138 + CD45RO	491 ± 563	61 ± 93	258 ± 221	61 ± 68	86 ± 161
CD138 + CD52	157 ± 155	30 ± 43	64 ± 44	17 ± 13	16 ± 16
CD138 + CD54	1722 ± 2849	11 ± 12	341 ± 466	49 ± 38	33 ± 61
CD138 + CD56	171 ± 299	358 ± 396	140 ± 171	59 ± 42	142 ± 157
CD138 + CD58	27103 ± 41936	2895 ± 3461	7537 ± 7770	2850 ± 2221	5785 ± 6123
CD138 + CD62E	30 ± 29	8 ± 7	13 ± 15	6 ± 13	13 ± 16
CD138 + CD62P	77 ± 89	10 ± 11	14 ± 17	5 ± 9	36 ± 47
CD138 + CD68	494 ± 419	452 ± 133	311 ± 186	997 ± 92	712 ± 585
CD138 + CD7	444 ± 728	5 ± 9	526 ± 272	74 ± 80	25 ± 24
CD138 + CD8a	352 ± 437	3 ± 7	84 ± 36	82 ± 74	19 ± 17
CD138 + CK14	95574 ± 58792	12816 ± 3344	51447 ± 13318	29032 ± 6814	18512 ± 7846
CD138 + CLA	791 ± 223	52 ± 84	427 ± 233	550 ± 810	275 ± 474
CD138 + c-myc	13063 ± 5712	9925 ± 2829	1804 ± 1404	6362 ± 2641	7551 ± 4076
CD138 + Collagen IV	1298 ± 2350	154 ± 138	550 ± 449	285 ± 168	117 ± 136
CD138 + FXIIIA	150 ± 260	130 ± 161	131 ± 178	37 ± 27	127 ± 134
CD138 + HLA-DR	21071 ± 24139	2873 ± 2205	4556 ± 2726	7421 ± 10454	2323 ± 585
CD138 + IL-22R	11730 ± 6475	2880 ± 2633	2574 ± 3383	7361 ± 3333	6860 ± 4570
CD138 + IL-23R	4346 ± 5155	2153 ± 4926	238 ± 214	4663 ± 2631	2998 ± 2407
CD138 + Ki67	4283 ± 2896	326 ± 266	1697 ± 1720	1442 ± 1424	513 ± 390
CD138 + PI	22021 ± 9869	5351 ± 618	11033 ± 5032	11168 ± 5538	6951 ± 5343
CD138 + Podoplanin	7881 ± 11737	495 ± 557	579 ± 749	28 ± 15	93 ± 149
CD138 + SNA1	10912 ± 19504	414 ± 369	914 ± 1146	557 ± 298	228 ± 83
CD138 + STAT3	22372 ± 14660	8500 ± 4060	728 ± 471	10374 ± 2535	9193 ± 6572
CD138 + TIA1	127 ± 116	87 ± 116	64 ± 27	31 ± 23	55 ± 79
CD138 + Vimentin	5732 ± 3107	983 ± 411	2728 ± 315	3335 ± 949	913 ± 281

Tabelle 55: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	120 ± 172	41 ± 52	20 ± 30	125 ± 99	52 ± 56
CD15 + BCL2	124 ± 213	49 ± 96	11 ± 9	56 ± 55	93 ± 86
CD15 + CCR6	55 ± 80	28 ± 41	33 ± 41	43 ± 25	23 ± 23
CD15 + CD11a	567 ± 420	21 ± 27	203 ± 238	38 ± 29	29 ± 32
CD15 + CD11b	1723 ± 1601	86 ± 107	862 ± 1588	248 ± 79	89 ± 39
CD15 + CD120a	20 ± 22	9 ± 18	1 ± 2	6 ± 10	12 ± 7
CD15 + CD120b	909 ± 1340	221 ± 320	72 ± 85	567 ± 137	142 ± 132
CD15 + CD138	95 ± 103	35 ± 33	19 ± 26	68 ± 111	57 ± 26
CD15 + CD1a	25 ± 36	23 ± 31	1 ± 1	9 ± 17	14 ± 10
CD15 + CD2	440 ± 431	18 ± 31	87 ± 91	73 ± 22	52 ± 84
CD15 + CD207	25 ± 30	23 ± 45	3 ± 3	17 ± 24	20 ± 12
CD15 + CD24	1310 ± 1421	304 ± 417	745 ± 1336	632 ± 131	186 ± 181
CD15 + CD28	403 ± 403	3 ± 4	51 ± 62	54 ± 40	22 ± 27
CD15 + CD29	1197 ± 1324	362 ± 389	137 ± 154	787 ± 108	314 ± 209
CD15 + CD3	716 ± 705	84 ± 72	227 ± 263	230 ± 106	56 ± 56
CD15 + CD31	70 ± 33	47 ± 84	21 ± 40	109 ± 193	53 ± 75
CD15 + CD4	462 ± 420	38 ± 76	132 ± 189	108 ± 109	63 ± 75
CD15 + CD44	1434 ± 1107	416 ± 410	386 ± 462	1086 ± 325	420 ± 146
CD15 + CD45	547 ± 492	16 ± 28	211 ± 281	113 ± 165	24 ± 27
CD15 + CD45RA	234 ± 172	25 ± 28	79 ± 94	85 ± 26	46 ± 39
CD15 + CD45RO	563 ± 529	17 ± 18	381 ± 615	27 ± 26	11 ± 11
CD15 + CD52	663 ± 615	39 ± 43	154 ± 165	78 ± 21	14 ± 10
CD15 + CD54	1085 ± 625	107 ± 144	179 ± 237	239 ± 163	155 ± 187
CD15 + CD56	70 ± 103	19 ± 19	26 ± 34	31 ± 39	20 ± 26
CD15 + CD58	69 ± 51	24 ± 37	8 ± 14	29 ± 40	52 ± 27
CD15 + CD62E	173 ± 229	5 ± 5	110 ± 166	51 ± 68	10 ± 11
CD15 + CD62P	696 ± 1261	103 ± 149	24 ± 29	111 ± 155	56 ± 27
CD15 + CD68	226 ± 241	100 ± 192	119 ± 188	178 ± 268	129 ± 113
CD15 + CD7	301 ± 281	8 ± 10	96 ± 92	71 ± 36	20 ± 34
CD15 + CD8a	119 ± 116	22 ± 21	61 ± 100	32 ± 13	8 ± 6
CD15 + CK14	125 ± 92	79 ± 135	10 ± 12	183 ± 240	81 ± 51
CD15 + CLA	692 ± 758	39 ± 35	324 ± 593	80 ± 12	33 ± 31
CD15 + c-myc	232 ± 117	65 ± 83	40 ± 46	122 ± 133	53 ± 42
CD15 + Collagen IV	353 ± 329	73 ± 63	106 ± 155	369 ± 237	58 ± 41
CD15 + FXIIIA	224 ± 226	22 ± 21	358 ± 640	55 ± 36	47 ± 32
CD15 + HLA-DR	1686 ± 811	353 ± 419	572 ± 875	879 ± 666	357 ± 163
CD15 + IL-22R	12 ± 15	28 ± 43	0 ± 0	53 ± 84	38 ± 45
CD15 + IL-23R	105 ± 155	2 ± 3	3 ± 7	52 ± 92	19 ± 19
CD15 + Ki67	2 ± 4	9 ± 22	2 ± 3	5 ± 9	1 ± 1
CD15 + PI	1191 ± 829	159 ± 174	405 ± 574	538 ± 224	146 ± 86
CD15 + Podoplanin	142 ± 127	39 ± 45	25 ± 38	39 ± 21	49 ± 19
CD15 + SNA1	1305 ± 1303	338 ± 348	335 ± 598	664 ± 461	228 ± 105
CD15 + STAT3	153 ± 161	58 ± 88	25 ± 33	52 ± 91	36 ± 19
CD15 + TIA1	833 ± 998	20 ± 24	497 ± 870	47 ± 51	18 ± 25
CD15 + Vimentin	598 ± 754	198 ± 283	68 ± 75	474 ± 671	341 ± 418

Tabelle 56: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	4 ± 8	46 ± 107	0 ± 0	0 ± 0	4 ± 8
CD1a + BCL2	106 ± 115	446 ± 718	73 ± 117	4 ± 2	104 ± 109
CD1a + CCR6	27 ± 4	72 ± 78	55 ± 65	84 ± 35	14 ± 18
CD1a + CD11a	159 ± 138	295 ± 722	173 ± 218	26 ± 17	90 ± 115
CD1a + CD11b	18 ± 15	49 ± 119	2 ± 2	7 ± 7	25 ± 51
CD1a + CD120a	71 ± 30	177 ± 165	211 ± 150	357 ± 214	158 ± 44
CD1a + CD120b	65 ± 49	158 ± 368	30 ± 23	6 ± 9	10 ± 19
CD1a + CD138	892 ± 383	926 ± 497	1397 ± 1098	1947 ± 1195	700 ± 420
CD1a + CD15	25 ± 36	23 ± 31	1 ± 1	9 ± 17	14 ± 10
CD1a + CD2	197 ± 192	234 ± 573	105 ± 91	96 ± 67	98 ± 110
CD1a + CD207	590 ± 393	1154 ± 1086	905 ± 658	934 ± 340	559 ± 157
CD1a + CD24	6 ± 10	26 ± 47	2 ± 2	1 ± 2	10 ± 14
CD1a + CD28	160 ± 137	314 ± 764	64 ± 59	13 ± 15	76 ± 112
CD1a + CD29	277 ± 292	299 ± 321	197 ± 292	124 ± 92	244 ± 230
CD1a + CD3	171 ± 142	556 ± 1355	130 ± 131	40 ± 29	89 ± 110
CD1a + CD31	1 ± 2	32 ± 74	0 ± 0	0 ± 0	3 ± 8
CD1a + CD4	200 ± 190	475 ± 1161	96 ± 71	29 ± 22	86 ± 116
CD1a + CD44	525 ± 274	1334 ± 2199	932 ± 620	1297 ± 454	474 ± 180
CD1a + CD45	265 ± 265	316 ± 721	264 ± 214	281 ± 348	110 ± 93
CD1a + CD45RA	30 ± 22	22 ± 46	7 ± 10	2 ± 3	7 ± 15
CD1a + CD45RO	117 ± 100	110 ± 260	141 ± 182	25 ± 23	32 ± 52
CD1a + CD52	106 ± 85	260 ± 622	48 ± 64	26 ± 28	70 ± 120
CD1a + CD54	304 ± 290	731 ± 1789	157 ± 143	12 ± 15	70 ± 118
CD1a + CD56	5 ± 6	6 ± 10	0 ± 0	0 ± 0	0 ± 1
CD1a + CD58	448 ± 452	1212 ± 1947	897 ± 1054	911 ± 932	569 ± 426
CD1a + CD62E	0 ± 0	38 ± 93	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	4 ± 9	18 ± 38	0 ± 0	0 ± 0	1 ± 1
CD1a + CD68	97 ± 98	216 ± 169	81 ± 63	325 ± 201	215 ± 220
CD1a + CD7	141 ± 141	32 ± 73	161 ± 157	46 ± 49	67 ± 120
CD1a + CD8a	25 ± 15	44 ± 103	50 ± 53	33 ± 20	28 ± 47
CD1a + CK14	916 ± 404	989 ± 610	1765 ± 1135	1773 ± 1123	732 ± 343
CD1a + CLA	329 ± 332	65 ± 101	340 ± 292	301 ± 537	136 ± 170
CD1a + c-myc	152 ± 87	968 ± 634	36 ± 35	601 ± 484	345 ± 218
CD1a + Collagen IV	26 ± 27	73 ± 172	31 ± 47	2 ± 2	9 ± 20
CD1a + FXIIIA	5 ± 6	16 ± 30	1 ± 2	0 ± 0	2 ± 6
CD1a + HLA-DR	898 ± 538	1409 ± 2309	909 ± 722	1042 ± 496	507 ± 134
CD1a + IL-22R	205 ± 48	454 ± 442	77 ± 42	1057 ± 1019	416 ± 286
CD1a + IL-23R	140 ± 154	287 ± 679	7 ± 7	510 ± 485	214 ± 268
CD1a + Ki67	27 ± 28	17 ± 17	39 ± 54	40 ± 48	4 ± 7
CD1a + PI	259 ± 146	633 ± 842	316 ± 258	328 ± 122	250 ± 197
CD1a + Podoplanin	61 ± 81	16 ± 34	12 ± 23	0 ± 1	0 ± 0
CD1a + SNA1	136 ± 190	524 ± 1165	92 ± 85	91 ± 51	34 ± 24
CD1a + STAT3	400 ± 334	766 ± 621	40 ± 69	1148 ± 1181	490 ± 374
CD1a + TIA1	20 ± 14	11 ± 14	9 ± 5	13 ± 9	1 ± 2
CD1a + Vimentin	528 ± 299	688 ± 1005	687 ± 426	983 ± 439	301 ± 124

Tabelle 57: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	1150 ± 758	114 ± 188	134 ± 152	894 ± 1276	158 ± 159
CD2 + BCL2	3155 ± 2824	246 ± 297	2201 ± 1199	286 ± 122	658 ± 598
CD2 + CCR6	1185 ± 1323	64 ± 62	1053 ± 1203	926 ± 733	306 ± 327
CD2 + CD11a	18001 ± 10520	968 ± 515	11169 ± 2952	3201 ± 180	3945 ± 2693
CD2 + CD11b	2278 ± 1961	442 ± 388	459 ± 230	3734 ± 836	1972 ± 753
CD2 + CD120a	40 ± 44	1 ± 2	38 ± 46	51 ± 37	47 ± 54
CD2 + CD120b	2984 ± 3906	130 ± 210	850 ± 359	378 ± 258	94 ± 76
CD2 + CD138	991 ± 1233	1 ± 1	378 ± 289	242 ± 149	133 ± 147
CD2 + CD15	440 ± 431	18 ± 31	87 ± 91	73 ± 22	52 ± 84
CD2 + CD1a	197 ± 192	234 ± 573	105 ± 91	96 ± 67	98 ± 110
CD2 + CD207	652 ± 655	228 ± 535	414 ± 234	294 ± 137	228 ± 205
CD2 + CD24	112 ± 110	23 ± 16	119 ± 82	300 ± 270	112 ± 108
CD2 + CD28	15806 ± 9580	281 ± 541	5456 ± 4212	2185 ± 632	2488 ± 2526
CD2 + CD29	3419 ± 1120	277 ± 189	1465 ± 953	1927 ± 2038	1038 ± 569
CD2 + CD3	19141 ± 12071	1398 ± 696	11020 ± 3051	7108 ± 1887	4427 ± 3511
CD2 + CD31	659 ± 383	123 ± 136	125 ± 135	762 ± 960	280 ± 171
CD2 + CD4	13804 ± 5313	773 ± 458	8346 ± 2096	4990 ± 2195	4312 ± 3724
CD2 + CD44	8616 ± 4209	1089 ± 429	10573 ± 2679	7327 ± 2194	4246 ± 3097
CD2 + CD45	18573 ± 12629	569 ± 317	10661 ± 3003	4433 ± 2164	3057 ± 2893
CD2 + CD45RA	3131 ± 918	214 ± 151	1879 ± 244	1069 ± 121	876 ± 483
CD2 + CD45RO	10346 ± 5039	325 ± 228	8088 ± 4643	2936 ± 1333	1233 ± 1661
CD2 + CD52	15421 ± 9983	350 ± 366	6958 ± 5713	2711 ± 801	2018 ± 2610
CD2 + CD54	16379 ± 13732	669 ± 608	5734 ± 4468	3151 ± 2795	3336 ± 3656
CD2 + CD56	578 ± 386	45 ± 26	363 ± 305	239 ± 174	91 ± 52
CD2 + CD58	1596 ± 2268	280 ± 655	191 ± 192	215 ± 129	548 ± 505
CD2 + CD62E	337 ± 245	19 ± 28	59 ± 86	50 ± 66	50 ± 42
CD2 + CD62P	465 ± 472	47 ± 54	75 ± 120	314 ± 431	87 ± 69
CD2 + CD68	1466 ± 802	92 ± 59	1636 ± 396	627 ± 377	595 ± 262
CD2 + CD7	7785 ± 2199	418 ± 298	8408 ± 3194	3453 ± 1406	2295 ± 2170
CD2 + CD8a	4228 ± 889	561 ± 326	3850 ± 1265	2840 ± 107	2010 ± 1168
CD2 + CK14	1221 ± 1313	3 ± 3	894 ± 629	329 ± 152	358 ± 188
CD2 + CLA	4353 ± 2240	338 ± 309	3092 ± 888	2242 ± 890	1413 ± 365
CD2 + c-myc	658 ± 221	54 ± 96	128 ± 90	86 ± 127	78 ± 71
CD2 + Collagen IV	1186 ± 624	224 ± 149	1340 ± 596	2328 ± 2411	777 ± 523
CD2 + FXIIIA	247 ± 124	77 ± 68	620 ± 465	757 ± 552	400 ± 283
CD2 + HLA-DR	11137 ± 5827	1189 ± 648	7402 ± 2808	5667 ± 1390	4356 ± 2821
CD2 + IL-22R	98 ± 106	1 ± 3	9 ± 11	67 ± 67	63 ± 95
CD2 + IL-23R	121 ± 211	9 ± 23	5 ± 6	112 ± 76	27 ± 37
CD2 + Ki67	23 ± 20	6 ± 11	27 ± 22	40 ± 49	14 ± 13
CD2 + PI	15324 ± 8237	867 ± 353	9728 ± 3407	6388 ± 1659	4289 ± 3452
CD2 + Podoplanin	681 ± 399	134 ± 197	298 ± 120	160 ± 212	87 ± 83
CD2 + SNA1	2621 ± 1903	598 ± 372	1853 ± 1252	1726 ± 1281	970 ± 577
CD2 + STAT3	237 ± 254	7 ± 12	12 ± 21	77 ± 59	58 ± 78
CD2 + TIA1	1518 ± 637	106 ± 59	1026 ± 607	1013 ± 355	478 ± 507
CD2 + Vimentin	6738 ± 1972	650 ± 353	5301 ± 1851	3766 ± 1768	1655 ± 990

Tabelle 58: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	24 ± 35	31 ± 69	2 ± 1	3 ± 3	1 ± 1
CD207 + BCL2	201 ± 170	583 ± 1046	123 ± 74	21 ± 8	200 ± 210
CD207 + CCR6	112 ± 106	89 ± 104	88 ± 106	159 ± 28	22 ± 26
CD207 + CD11a	548 ± 639	277 ± 652	582 ± 491	171 ± 93	223 ± 218
CD207 + CD11b	107 ± 194	10 ± 23	14 ± 22	136 ± 158	56 ± 97
CD207 + CD120a	130 ± 68	193 ± 113	259 ± 163	370 ± 175	244 ± 72
CD207 + CD120b	212 ± 319	122 ± 292	122 ± 62	47 ± 26	14 ± 17
CD207 + CD138	1292 ± 689	1271 ± 629	1023 ± 419	1392 ± 245	915 ± 402
CD207 + CD15	25 ± 30	23 ± 45	3 ± 3	17 ± 24	20 ± 12
CD207 + CD1a	590 ± 393	1154 ± 1086	905 ± 658	934 ± 340	559 ± 157
CD207 + CD2	652 ± 655	228 ± 535	414 ± 234	294 ± 137	228 ± 205
CD207 + CD24	5 ± 10	2 ± 2	10 ± 11	17 ± 16	9 ± 13
CD207 + CD28	504 ± 602	291 ± 710	326 ± 254	153 ± 86	161 ± 183
CD207 + CD29	333 ± 290	360 ± 378	225 ± 88	264 ± 111	418 ± 393
CD207 + CD3	567 ± 701	507 ± 1211	592 ± 439	275 ± 91	205 ± 200
CD207 + CD31	11 ± 19	17 ± 39	1 ± 1	2 ± 2	0 ± 0
CD207 + CD4	544 ± 530	414 ± 1010	522 ± 322	261 ± 115	219 ± 203
CD207 + CD44	731 ± 288	1260 ± 1142	1488 ± 541	1342 ± 85	845 ± 330
CD207 + CD45	739 ± 749	303 ± 668	727 ± 436	432 ± 300	219 ± 171
CD207 + CD45RA	87 ± 14	13 ± 18	65 ± 82	56 ± 57	10 ± 20
CD207 + CD45RO	305 ± 298	93 ± 221	506 ± 402	107 ± 55	63 ± 80
CD207 + CD52	516 ± 643	250 ± 606	459 ± 474	181 ± 112	137 ± 205
CD207 + CD54	877 ± 856	521 ± 1265	664 ± 504	191 ± 122	166 ± 212
CD207 + CD56	23 ± 31	4 ± 6	9 ± 11	3 ± 6	0 ± 1
CD207 + CD58	265 ± 166	1007 ± 1317	387 ± 244	436 ± 293	656 ± 491
CD207 + CD62E	3 ± 5	26 ± 59	1 ± 2	0 ± 0	0 ± 0
CD207 + CD62P	14 ± 18	13 ± 32	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	209 ± 224	258 ± 173	119 ± 52	340 ± 123	304 ± 252
CD207 + CD7	218 ± 126	31 ± 70	508 ± 367	173 ± 102	130 ± 195
CD207 + CD8a	43 ± 52	41 ± 87	92 ± 57	103 ± 71	54 ± 96
CD207 + CK14	1194 ± 658	1566 ± 880	1581 ± 1132	1460 ± 210	1209 ± 310
CD207 + CLA	817 ± 655	70 ± 90	785 ± 304	427 ± 532	233 ± 234
CD207 + c-myc	175 ± 101	1323 ± 987	44 ± 55	299 ± 175	479 ± 328
CD207 + Collagen IV	23 ± 15	41 ± 84	106 ± 65	26 ± 31	11 ± 20
CD207 + FXIIIA	32 ± 37	10 ± 18	26 ± 26	15 ± 22	5 ± 9
CD207 + HLA-DR	1455 ± 741	1376 ± 1381	1701 ± 850	1464 ± 545	1030 ± 235
CD207 + IL-22R	306 ± 179	621 ± 669	105 ± 61	642 ± 306	662 ± 428
CD207 + IL-23R	119 ± 144	105 ± 238	10 ± 6	379 ± 183	221 ± 246
CD207 + Ki67	62 ± 52	66 ± 60	55 ± 39	96 ± 76	26 ± 16
CD207 + PI	738 ± 399	889 ± 663	869 ± 420	770 ± 216	608 ± 312
CD207 + Podoplanin	59 ± 27	5 ± 6	70 ± 112	1 ± 1	2 ± 3
CD207 + SNA1	136 ± 112	401 ± 794	204 ± 141	139 ± 86	46 ± 30
CD207 + STAT3	498 ± 578	957 ± 804	28 ± 26	558 ± 291	535 ± 490
CD207 + TIA1	43 ± 28	10 ± 11	32 ± 45	45 ± 39	3 ± 6
CD207 + Vimentin	895 ± 634	781 ± 650	1149 ± 376	1191 ± 177	566 ± 126

Tabelle 59: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	62 ± 77	25 ± 19	46 ± 55	51 ± 17	19 ± 30
CD24 + BCL2	10 ± 8	1 ± 1	11 ± 19	8 ± 13	4 ± 5
CD24 + CCR6	59 ± 67	13 ± 14	30 ± 37	72 ± 91	9 ± 4
CD24 + CD11a	436 ± 428	99 ± 139	596 ± 328	310 ± 276	354 ± 495
CD24 + CD11b	559 ± 624	188 ± 241	758 ± 1455	888 ± 451	456 ± 473
CD24 + CD120a	8 ± 11	0 ± 0	5 ± 7	5 ± 6	12 ± 16
CD24 + CD120b	2827 ± 3779	1150 ± 673	1745 ± 477	2822 ± 1750	1774 ± 1445
CD24 + CD138	49 ± 79	6 ± 12	15 ± 22	6 ± 9	16 ± 19
CD24 + CD15	1310 ± 1421	304 ± 417	745 ± 1336	632 ± 131	186 ± 181
CD24 + CD1a	6 ± 10	26 ± 47	2 ± 2	1 ± 2	10 ± 14
CD24 + CD2	112 ± 110	23 ± 16	119 ± 82	300 ± 270	112 ± 108
CD24 + CD207	5 ± 10	2 ± 2	10 ± 11	17 ± 16	9 ± 13
CD24 + CD28	348 ± 373	11 ± 10	263 ± 196	300 ± 173	286 ± 420
CD24 + CD29	2221 ± 2301	1040 ± 686	1933 ± 457	1896 ± 832	1392 ± 826
CD24 + CD3	781 ± 854	397 ± 402	802 ± 243	1091 ± 587	459 ± 500
CD24 + CD31	38 ± 45	22 ± 21	89 ± 159	150 ± 229	45 ± 80
CD24 + CD4	154 ± 161	26 ± 19	211 ± 260	299 ± 171	209 ± 215
CD24 + CD44	3431 ± 4194	1871 ± 1146	3102 ± 791	4013 ± 2229	2960 ± 2252
CD24 + CD45	579 ± 644	68 ± 116	505 ± 327	394 ± 290	182 ± 166
CD24 + CD45RA	522 ± 384	49 ± 32	265 ± 165	542 ± 272	375 ± 151
CD24 + CD45RO	265 ± 298	11 ± 16	382 ± 560	114 ± 135	20 ± 21
CD24 + CD52	490 ± 424	37 ± 56	535 ± 343	293 ± 103	322 ± 471
CD24 + CD54	1204 ± 1020	283 ± 267	474 ± 292	503 ± 241	702 ± 820
CD24 + CD56	57 ± 96	52 ± 63	49 ± 27	64 ± 56	48 ± 35
CD24 + CD58	36 ± 22	24 ± 31	20 ± 17	32 ± 43	134 ± 226
CD24 + CD62E	77 ± 74	0 ± 1	156 ± 273	8 ± 14	0 ± 0
CD24 + CD62P	627 ± 1146	88 ± 131	60 ± 114	24 ± 30	45 ± 60
CD24 + CD68	48 ± 23	4 ± 9	221 ± 231	59 ± 66	48 ± 31
CD24 + CD7	231 ± 311	72 ± 107	416 ± 190	323 ± 295	221 ± 330
CD24 + CD8a	109 ± 192	58 ± 52	186 ± 116	210 ± 104	161 ± 182
CD24 + CK14	71 ± 84	4 ± 10	22 ± 18	17 ± 31	9 ± 11
CD24 + CLA	327 ± 331	44 ± 42	355 ± 477	135 ± 52	60 ± 36
CD24 + c-myc	127 ± 106	20 ± 29	78 ± 134	9 ± 11	10 ± 13
CD24 + Collagen IV	257 ± 208	275 ± 238	548 ± 229	838 ± 38	409 ± 548
CD24 + FXIIIA	72 ± 83	34 ± 34	319 ± 551	76 ± 41	57 ± 62
CD24 + HLA-DR	2574 ± 2629	1230 ± 715	2425 ± 864	3053 ± 2226	2112 ± 1858
CD24 + IL-22R	10 ± 16	0 ± 0	2 ± 3	0 ± 0	2 ± 3
CD24 + IL-23R	75 ± 135	0 ± 1	8 ± 16	23 ± 43	2 ± 5
CD24 + Ki67	2 ± 5	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD24 + PI	2207 ± 2844	625 ± 428	1517 ± 674	1960 ± 523	1274 ± 1347
CD24 + Podoplanin	149 ± 121	242 ± 334	57 ± 37	274 ± 174	108 ± 145
CD24 + SNA1	1097 ± 1360	731 ± 486	873 ± 752	1237 ± 534	857 ± 697
CD24 + STAT3	138 ± 153	53 ± 104	12 ± 21	1 ± 1	7 ± 9
CD24 + TIA1	426 ± 607	21 ± 29	483 ± 923	47 ± 52	30 ± 18
CD24 + Vimentin	125 ± 151	96 ± 140	150 ± 147	435 ± 387	44 ± 46

Tabelle 60: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	1172 ± 664	43 ± 66	131 ± 185	295 ± 324	200 ± 381
CD28 + BCL2	2533 ± 2693	127 ± 286	1141 ± 1123	99 ± 49	300 ± 340
CD28 + CCR6	1012 ± 1119	11 ± 8	933 ± 1291	391 ± 271	189 ± 211
CD28 + CD11a	16110 ± 9652	327 ± 626	7571 ± 7245	1990 ± 1259	3041 ± 2769
CD28 + CD11b	1722 ± 1547	43 ± 41	242 ± 242	1422 ± 946	1159 ± 914
CD28 + CD120a	103 ± 152	7 ± 13	36 ± 33	8 ± 9	17 ± 19
CD28 + CD120b	3519 ± 3723	132 ± 277	960 ± 438	413 ± 173	213 ± 273
CD28 + CD138	279 ± 290	3 ± 5	56 ± 38	10 ± 12	17 ± 15
CD28 + CD15	403 ± 403	3 ± 4	51 ± 62	54 ± 40	22 ± 27
CD28 + CD1a	160 ± 137	314 ± 764	64 ± 59	13 ± 15	76 ± 112
CD28 + CD2	15806 ± 9580	281 ± 541	5456 ± 4212	2185 ± 632	2488 ± 2526
CD28 + CD207	504 ± 602	291 ± 710	326 ± 254	153 ± 86	161 ± 183
CD28 + CD24	348 ± 373	11 ± 10	263 ± 196	300 ± 173	286 ± 420
CD28 + CD29	3261 ± 619	47 ± 41	1097 ± 1371	742 ± 539	915 ± 973
CD28 + CD3	17655 ± 9738	479 ± 937	8077 ± 7101	3372 ± 2244	3511 ± 3122
CD28 + CD31	679 ± 338	32 ± 47	138 ± 198	228 ± 249	238 ± 345
CD28 + CD4	13863 ± 4705	414 ± 832	5981 ± 4437	2621 ± 1488	3120 ± 2847
CD28 + CD44	8533 ± 3688	438 ± 863	7337 ± 6544	3150 ± 2009	3104 ± 2649
CD28 + CD45	16649 ± 10487	319 ± 617	7523 ± 6652	1946 ± 387	2320 ± 2224
CD28 + CD45RA	2730 ± 735	20 ± 18	1050 ± 837	427 ± 263	469 ± 336
CD28 + CD45RO	8751 ± 5046	132 ± 256	5693 ± 5912	1380 ± 814	827 ± 1065
CD28 + CD52	14626 ± 8629	247 ± 552	6363 ± 7854	1375 ± 604	2061 ± 2534
CD28 + CD54	15107 ± 11360	420 ± 883	5046 ± 6227	1403 ± 875	2750 ± 2980
CD28 + CD56	395 ± 204	6 ± 8	55 ± 27	77 ± 92	65 ± 54
CD28 + CD58	1400 ± 1961	358 ± 859	119 ± 94	188 ± 250	727 ± 1083
CD28 + CD62E	286 ± 204	25 ± 59	58 ± 70	15 ± 24	23 ± 39
CD28 + CD62P	446 ± 441	20 ± 32	65 ± 75	46 ± 43	65 ± 106
CD28 + CD68	1177 ± 561	11 ± 11	729 ± 356	207 ± 213	245 ± 203
CD28 + CD7	7184 ± 2119	83 ± 67	6418 ± 6279	1697 ± 653	2112 ± 2268
CD28 + CD8a	2995 ± 967	69 ± 101	2207 ± 2231	973 ± 793	1004 ± 897
CD28 + CK14	269 ± 365	8 ± 11	112 ± 129	30 ± 51	41 ± 56
CD28 + CLA	3057 ± 1972	42 ± 76	1760 ± 1601	603 ± 188	495 ± 177
CD28 + c-myc	474 ± 302	7 ± 9	71 ± 79	18 ± 35	18 ± 31
CD28 + Collagen IV	1250 ± 617	55 ± 84	955 ± 947	774 ± 574	797 ± 1112
CD28 + FXIIIA	205 ± 129	10 ± 11	250 ± 203	208 ± 124	239 ± 275
CD28 + HLA-DR	10307 ± 4878	448 ± 918	5639 ± 5661	2705 ± 2277	3032 ± 2487
CD28 + IL-22R	32 ± 37	8 ± 13	5 ± 6	3 ± 3	16 ± 30
CD28 + IL-23R	142 ± 257	9 ± 21	7 ± 5	19 ± 17	5 ± 5
CD28 + Ki67	5 ± 5	4 ± 10	6 ± 9	2 ± 3	2 ± 2
CD28 + PI	12652 ± 6570	260 ± 505	5988 ± 5913	2529 ± 1758	2907 ± 2818
CD28 + Podoplanin	538 ± 302	26 ± 27	253 ± 285	83 ± 84	42 ± 38
CD28 + SNA1	2152 ± 1195	257 ± 539	949 ± 342	668 ± 264	695 ± 561
CD28 + STAT3	107 ± 99	4 ± 6	12 ± 21	1 ± 1	5 ± 8
CD28 + TIA1	1084 ± 718	11 ± 14	598 ± 688	283 ± 119	234 ± 300
CD28 + Vimentin	4715 ± 1561	225 ± 464	2352 ± 1598	1025 ± 452	659 ± 406

Tabelle 61: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	10104 ± 3324	3220 ± 1279	8545 ± 1611	7010 ± 2513	5960 ± 4160
CD29 + BCL2	5243 ± 4344	932 ± 1299	2609 ± 3057	631 ± 402	1815 ± 1298
CD29 + CCR6	780 ± 716	309 ± 185	401 ± 492	428 ± 250	174 ± 66
CD29 + CD11a	2929 ± 698	282 ± 253	2288 ± 2239	558 ± 405	988 ± 878
CD29 + CD11b	1343 ± 512	630 ± 588	468 ± 506	2435 ± 1485	2332 ± 1861
CD29 + CD120a	85 ± 58	116 ± 122	82 ± 116	237 ± 346	133 ± 74
CD29 + CD120b	2689 ± 1707	817 ± 536	1498 ± 330	1582 ± 690	968 ± 546
CD29 + CD138	21208 ± 20622	3347 ± 2139	6230 ± 5518	4802 ± 1895	5039 ± 5109
CD29 + CD15	1197 ± 1324	362 ± 389	137 ± 154	787 ± 108	314 ± 209
CD29 + CD1a	277 ± 292	299 ± 321	197 ± 292	124 ± 92	244 ± 230
CD29 + CD2	3419 ± 1120	277 ± 189	1465 ± 953	1927 ± 2038	1038 ± 569
CD29 + CD207	333 ± 290	360 ± 378	225 ± 88	264 ± 111	418 ± 393
CD29 + CD24	2221 ± 2301	1040 ± 686	1933 ± 457	1896 ± 832	1392 ± 826
CD29 + CD28	3261 ± 619	47 ± 41	1097 ± 1371	742 ± 539	915 ± 973
CD29 + CD3	4117 ± 1040	1168 ± 479	2462 ± 1796	3030 ± 2001	1741 ± 1201
CD29 + CD31	8612 ± 2012	2670 ± 1109	7920 ± 2093	6933 ± 1963	6234 ± 4006
CD29 + CD4	4621 ± 1765	863 ± 785	1584 ± 679	3704 ± 3778	3868 ± 2936
CD29 + CD44	21935 ± 14926	4877 ± 2391	12994 ± 2603	11018 ± 3032	8561 ± 4510
CD29 + CD45	3231 ± 951	191 ± 172	1738 ± 1356	828 ± 494	597 ± 306
CD29 + CD45RA	1432 ± 105	331 ± 192	630 ± 242	637 ± 552	664 ± 302
CD29 + CD45RO	1392 ± 379	106 ± 86	1191 ± 1311	340 ± 95	176 ± 89
CD29 + CD52	3734 ± 1316	108 ± 105	2091 ± 3044	833 ± 884	687 ± 913
CD29 + CD54	18356 ± 913	3406 ± 1614	10081 ± 2204	7664 ± 3794	9241 ± 5371
CD29 + CD56	1577 ± 1685	1048 ± 636	1011 ± 528	1195 ± 547	1071 ± 461
CD29 + CD58	10931 ± 15661	1882 ± 2148	1670 ± 723	1342 ± 909	4269 ± 2478
CD29 + CD62E	2308 ± 1408	73 ± 55	3109 ± 2719	751 ± 759	606 ± 406
CD29 + CD62P	4211 ± 3454	1113 ± 688	4291 ± 1567	3070 ± 734	2984 ± 1842
CD29 + CD68	4746 ± 3694	2450 ± 564	4389 ± 717	4279 ± 885	4810 ± 3024
CD29 + CD7	1889 ± 419	393 ± 458	2316 ± 1650	785 ± 339	795 ± 791
CD29 + CD8a	736 ± 281	209 ± 137	491 ± 456	531 ± 365	431 ± 228
CD29 + CK14	28182 ± 22081	5679 ± 3188	11777 ± 7649	9022 ± 2870	9906 ± 9539
CD29 + CLA	1076 ± 270	141 ± 77	711 ± 630	640 ± 699	473 ± 434
CD29 + c-myc	12756 ± 4027	3516 ± 1808	4951 ± 6364	1370 ± 696	3460 ± 3210
CD29 + Collagen IV	11751 ± 6529	4331 ± 1779	13177 ± 3901	11842 ± 5208	9028 ± 4619
CD29 + FXIIIA	525 ± 325	331 ± 200	1119 ± 1309	878 ± 538	1402 ± 1589
CD29 + HLA-DR	20749 ± 10479	5254 ± 1774	9108 ± 4644	9621 ± 6353	10475 ± 3560
CD29 + IL-22R	897 ± 669	685 ± 998	231 ± 423	803 ± 850	2962 ± 3455
CD29 + IL-23R	493 ± 752	1034 ± 2480	46 ± 65	956 ± 586	969 ± 1255
CD29 + Ki67	1368 ± 1542	112 ± 128	389 ± 475	351 ± 214	353 ± 640
CD29 + PI	19763 ± 4118	5018 ± 1091	12419 ± 4675	11372 ± 3601	11300 ± 7052
CD29 + Podoplanin	8864 ± 10545	1311 ± 1325	981 ± 953	377 ± 143	605 ± 250
CD29 + SNA1	25461 ± 19187	6062 ± 1902	13657 ± 4165	10078 ± 1648	10401 ± 4081
CD29 + STAT3	1205 ± 962	2399 ± 1663	152 ± 176	804 ± 666	2746 ± 3273
CD29 + TIA1	563 ± 214	237 ± 165	430 ± 200	408 ± 321	201 ± 71
CD29 + Vimentin	13739 ± 2010	3557 ± 1539	10337 ± 3971	8181 ± 1902	5759 ± 1996

Tabelle 62: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	1070 ± 667	530 ± 415	351 ± 311	1433 ± 1396	399 ± 493
CD3 + BCL2	2782 ± 2904	316 ± 463	2106 ± 1303	277 ± 111	495 ± 535
CD3 + CCR6	1399 ± 1573	91 ± 69	1380 ± 1727	989 ± 684	303 ± 320
CD3 + CD11a	20787 ± 12594	1683 ± 1016	16253 ± 8928	4267 ± 2024	4978 ± 3018
CD3 + CD11b	2640 ± 2465	864 ± 785	584 ± 423	4321 ± 1703	2176 ± 956
CD3 + CD120a	84 ± 108	5 ± 7	50 ± 41	26 ± 23	27 ± 33
CD3 + CD120b	4121 ± 3804	469 ± 366	1642 ± 591	1050 ± 377	338 ± 319
CD3 + CD138	795 ± 1139	14 ± 20	335 ± 294	127 ± 105	32 ± 29
CD3 + CD15	716 ± 705	84 ± 72	227 ± 263	230 ± 106	56 ± 56
CD3 + CD1a	171 ± 142	556 ± 1355	130 ± 131	40 ± 29	89 ± 110
CD3 + CD2	19141 ± 12071	1398 ± 696	11020 ± 3051	7108 ± 1887	4427 ± 3511
CD3 + CD207	567 ± 701	507 ± 1211	592 ± 439	275 ± 91	205 ± 200
CD3 + CD24	781 ± 854	397 ± 402	802 ± 243	1091 ± 587	459 ± 500
CD3 + CD28	17655 ± 9738	479 ± 937	8077 ± 7101	3372 ± 2244	3511 ± 3122
CD3 + CD29	4117 ± 1040	1168 ± 479	2462 ± 1796	3030 ± 2001	1741 ± 1201
CD3 + CD31	616 ± 209	398 ± 241	280 ± 262	1109 ± 1045	506 ± 446
CD3 + CD4	15393 ± 5434	1795 ± 975	11299 ± 3274	6808 ± 3064	5306 ± 3448
CD3 + CD44	12361 ± 6118	3653 ± 1625	17078 ± 8106	10856 ± 4522	5743 ± 3027
CD3 + CD45	20980 ± 15383	1001 ± 664	15486 ± 7399	4847 ± 1471	3564 ± 2791
CD3 + CD45RA	3582 ± 1175	336 ± 206	2399 ± 810	1401 ± 634	1007 ± 366
CD3 + CD45RO	10273 ± 5762	387 ± 322	9837 ± 7536	3069 ± 1371	1099 ± 1409
CD3 + CD52	17278 ± 11962	611 ± 725	11318 ± 11437	3327 ± 876	2712 ± 3095
CD3 + CD54	18778 ± 16353	2404 ± 2018	8815 ± 8305	4260 ± 2589	4436 ± 3913
CD3 + CD56	521 ± 317	76 ± 50	234 ± 129	281 ± 253	121 ± 45
CD3 + CD58	1803 ± 2917	789 ± 1822	227 ± 164	476 ± 582	885 ± 1102
CD3 + CD62E	286 ± 212	67 ± 85	133 ± 117	62 ± 71	63 ± 63
CD3 + CD62P	417 ± 448	182 ± 144	142 ± 158	355 ± 341	172 ± 187
CD3 + CD68	1314 ± 708	264 ± 127	1790 ± 469	799 ± 541	485 ± 222
CD3 + CD7	8425 ± 2601	733 ± 650	12044 ± 7029	4180 ± 1439	3002 ± 2555
CD3 + CD8a	4483 ± 1821	1060 ± 391	4864 ± 2424	3329 ± 1278	2128 ± 1058
CD3 + CK14	924 ± 1178	20 ± 29	688 ± 630	176 ± 117	128 ± 144
CD3 + CLA	4340 ± 2950	470 ± 322	3674 ± 2007	2193 ± 573	1273 ± 231
CD3 + c-myc	817 ± 567	171 ± 186	245 ± 260	74 ± 82	41 ± 68
CD3 + Collagen IV	1469 ± 832	1067 ± 418	2718 ± 1349	3510 ± 2129	1424 ± 1246
CD3 + FXIIIA	321 ± 127	177 ± 104	762 ± 562	765 ± 282	351 ± 293
CD3 + HLA-DR	14807 ± 8460	3695 ± 1594	12412 ± 7897	8948 ± 6020	5782 ± 2625
CD3 + IL-22R	64 ± 93	3 ± 6	24 ± 37	24 ± 13	32 ± 61
CD3 + IL-23R	152 ± 273	40 ± 98	4 ± 5	71 ± 37	9 ± 16
CD3 + Ki67	21 ± 28	9 ± 18	28 ± 28	20 ± 28	5 ± 4
CD3 + PI	17898 ± 10586	2232 ± 688	14527 ± 8083	8876 ± 3897	5277 ± 3310
CD3 + Podoplanin	871 ± 349	474 ± 866	778 ± 542	253 ± 283	95 ± 81
CD3 + SNA1	3380 ± 2752	1838 ± 838	2667 ± 1284	2657 ± 1211	1449 ± 796
CD3 + STAT3	202 ± 216	30 ± 56	25 ± 45	38 ± 37	13 ± 14
CD3 + TIA1	1570 ± 776	159 ± 98	1183 ± 921	996 ± 210	470 ± 458
CD3 + Vimentin	6911 ± 3236	1467 ± 999	5896 ± 2231	3810 ± 1096	1413 ± 605

Tabelle 63: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	5970 ± 2367	2119 ± 1378	5386 ± 1794	5975 ± 3295	3699 ± 2730
CD31 + BCL2	324 ± 302	26 ± 38	836 ± 1641	2 ± 3	54 ± 48
CD31 + CCR6	71 ± 81	38 ± 80	10 ± 12	51 ± 55	11 ± 9
CD31 + CD11a	272 ± 184	90 ± 95	248 ± 317	68 ± 57	176 ± 254
CD31 + CD11b	414 ± 404	234 ± 356	244 ± 399	642 ± 445	686 ± 1097
CD31 + CD120a	10 ± 14	1 ± 2	2 ± 2	1 ± 1	6 ± 9
CD31 + CD120b	35 ± 40	27 ± 31	8 ± 9	33 ± 53	13 ± 10
CD31 + CD138	7 ± 14	94 ± 225	9 ± 15	13 ± 22	2 ± 5
CD31 + CD15	70 ± 33	47 ± 84	21 ± 40	109 ± 193	53 ± 75
CD31 + CD1a	1 ± 2	32 ± 74	0 ± 0	0 ± 0	3 ± 8
CD31 + CD2	659 ± 383	123 ± 136	125 ± 135	762 ± 960	280 ± 171
CD31 + CD207	11 ± 19	17 ± 39	1 ± 1	2 ± 2	0 ± 0
CD31 + CD24	38 ± 45	22 ± 21	89 ± 159	150 ± 229	45 ± 80
CD31 + CD28	679 ± 338	32 ± 47	138 ± 198	228 ± 249	238 ± 345
CD31 + CD29	8612 ± 2012	2670 ± 1109	7920 ± 2093	6933 ± 1963	6234 ± 4006
CD31 + CD3	616 ± 209	398 ± 241	280 ± 262	1109 ± 1045	506 ± 446
CD31 + CD4	1845 ± 1292	666 ± 674	542 ± 364	2700 ± 2922	2311 ± 1618
CD31 + CD44	757 ± 1137	623 ± 423	995 ± 978	2140 ± 1116	1170 ± 675
CD31 + CD45	262 ± 80	42 ± 38	96 ± 122	115 ± 147	58 ± 52
CD31 + CD45RA	99 ± 75	144 ± 135	109 ± 57	138 ± 115	89 ± 74
CD31 + CD45RO	71 ± 87	8 ± 9	45 ± 69	51 ± 55	11 ± 15
CD31 + CD52	1009 ± 584	46 ± 65	737 ± 1297	250 ± 299	186 ± 279
CD31 + CD54	8361 ± 2395	2322 ± 1386	6908 ± 1757	6389 ± 2652	6104 ± 4787
CD31 + CD56	59 ± 64	62 ± 145	20 ± 24	21 ± 32	41 ± 68
CD31 + CD58	1312 ± 1164	872 ± 1119	744 ± 364	914 ± 891	1527 ± 1349
CD31 + CD62E	2142 ± 1488	81 ± 101	3043 ± 2619	820 ± 841	585 ± 430
CD31 + CD62P	3437 ± 2564	896 ± 640	4254 ± 1686	3768 ± 1401	2889 ± 2117
CD31 + CD68	2834 ± 2616	1220 ± 674	2969 ± 802	2671 ± 1450	2414 ± 1373
CD31 + CD7	250 ± 236	218 ± 263	432 ± 439	236 ± 218	266 ± 319
CD31 + CD8a	33 ± 32	57 ± 64	22 ± 20	94 ± 87	45 ± 38
CD31 + CK14	14 ± 23	88 ± 213	27 ± 48	14 ± 14	11 ± 12
CD31 + CLA	39 ± 44	16 ± 12	35 ± 36	81 ± 102	26 ± 23
CD31 + c-myc	3922 ± 4649	613 ± 744	2258 ± 3263	62 ± 105	71 ± 141
CD31 + Collagen IV	4510 ± 2188	1960 ± 1203	5817 ± 2333	6926 ± 2558	4451 ± 3094
CD31 + FXIIIA	52 ± 46	64 ± 64	483 ± 885	452 ± 361	649 ± 1031
CD31 + HLA-DR	4117 ± 1229	1769 ± 893	3248 ± 1267	4341 ± 3236	4639 ± 3261
CD31 + IL-22R	0 ± 0	1 ± 2	0 ± 0	0 ± 0	10 ± 15
CD31 + IL-23R	185 ± 257	164 ± 399	20 ± 41	352 ± 403	31 ± 45
CD31 + Ki67	1 ± 2	1 ± 1	5 ± 9	0 ± 0	0 ± 1
CD31 + PI	4761 ± 1045	1530 ± 719	4073 ± 1112	4752 ± 2448	3775 ± 2273
CD31 + Podoplanin	96 ± 74	276 ± 202	22 ± 13	112 ± 84	97 ± 78
CD31 + SNA1	7421 ± 3429	2873 ± 1415	6930 ± 1653	7148 ± 2191	5973 ± 4056
CD31 + STAT3	70 ± 91	125 ± 235	16 ± 31	2 ± 5	68 ± 144
CD31 + TIA1	149 ± 69	145 ± 136	249 ± 88	189 ± 155	101 ± 101
CD31 + Vimentin	5178 ± 1894	1096 ± 549	4909 ± 1973	4058 ± 819	2647 ± 2119

Tabelle 64: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	2298 ± 1575	681 ± 703	543 ± 422	2689 ± 2924	1845 ± 1796
CD4 + BCL2	2346 ± 2179	227 ± 340	1659 ± 1030	194 ± 128	508 ± 430
CD4 + CCR6	939 ± 963	48 ± 31	915 ± 1083	805 ± 585	281 ± 261
CD4 + CD11a	14880 ± 5052	894 ± 584	11133 ± 3248	2753 ± 998	4237 ± 2761
CD4 + CD11b	2133 ± 1011	753 ± 925	577 ± 319	3997 ± 2047	3668 ± 1884
CD4 + CD120a	238 ± 406	5 ± 5	82 ± 71	24 ± 21	30 ± 24
CD4 + CD120b	3207 ± 3560	164 ± 293	1002 ± 339	407 ± 251	159 ± 136
CD4 + CD138	89 ± 117	4 ± 6	25 ± 17	34 ± 49	21 ± 16
CD4 + CD15	462 ± 420	38 ± 76	132 ± 189	108 ± 109	63 ± 75
CD4 + CD1a	200 ± 190	475 ± 1161	96 ± 71	29 ± 22	86 ± 116
CD4 + CD2	13804 ± 5313	773 ± 458	8346 ± 2096	4990 ± 2195	4312 ± 3724
CD4 + CD207	544 ± 530	414 ± 1010	522 ± 322	261 ± 115	219 ± 203
CD4 + CD24	154 ± 161	26 ± 19	211 ± 260	299 ± 171	209 ± 215
CD4 + CD28	13863 ± 4705	414 ± 832	5981 ± 4437	2621 ± 1488	3120 ± 2847
CD4 + CD29	4621 ± 1765	863 ± 785	1584 ± 679	3704 ± 3778	3868 ± 2936
CD4 + CD3	15393 ± 5434	1795 ± 975	11299 ± 3274	6808 ± 3064	5306 ± 3448
CD4 + CD31	1845 ± 1292	666 ± 674	542 ± 364	2700 ± 2922	2311 ± 1618
CD4 + CD44	8926 ± 1620	2004 ± 1132	11536 ± 2219	7718 ± 3872	6636 ± 3569
CD4 + CD45	14516 ± 5251	677 ± 622	10859 ± 3168	3393 ± 610	3192 ± 2569
CD4 + CD45RA	3133 ± 933	152 ± 154	1897 ± 324	755 ± 380	826 ± 389
CD4 + CD45RO	8374 ± 4265	264 ± 232	7130 ± 4635	2309 ± 1026	1087 ± 1418
CD4 + CD52	13085 ± 4698	444 ± 651	7142 ± 6244	2449 ± 1005	2418 ± 2842
CD4 + CD54	16139 ± 4804	1925 ± 1516	8085 ± 5438	5196 ± 4485	7128 ± 5245
CD4 + CD56	561 ± 298	108 ± 171	210 ± 220	309 ± 348	331 ± 265
CD4 + CD58	1711 ± 2471	685 ± 1346	218 ± 203	739 ± 1008	1533 ± 1763
CD4 + CD62E	651 ± 485	55 ± 76	167 ± 145	191 ± 239	380 ± 321
CD4 + CD62P	995 ± 932	260 ± 271	210 ± 274	1199 ± 1331	1201 ± 923
CD4 + CD68	2007 ± 470	410 ± 289	2078 ± 582	1536 ± 1481	1721 ± 1376
CD4 + CD7	6564 ± 2107	329 ± 203	7969 ± 3707	2572 ± 852	2480 ± 2182
CD4 + CD8a	2131 ± 673	276 ± 312	2147 ± 1177	1204 ± 495	1200 ± 689
CD4 + CK14	109 ± 191	4 ± 5	84 ± 87	35 ± 39	99 ± 101
CD4 + CLA	3250 ± 1440	149 ± 100	2775 ± 1000	1275 ± 496	1011 ± 367
CD4 + c-myc	1049 ± 1642	113 ± 140	264 ± 418	20 ± 27	53 ± 74
CD4 + Collagen IV	2556 ± 1818	970 ± 1007	2227 ± 926	4176 ± 4055	3206 ± 2684
CD4 + FXIIIA	350 ± 185	281 ± 334	574 ± 383	974 ± 635	1345 ± 1228
CD4 + HLA-DR	11626 ± 4213	2276 ± 1272	8740 ± 2019	7589 ± 5342	8464 ± 4606
CD4 + IL-22R	15 ± 28	2 ± 4	4 ± 4	9 ± 7	30 ± 37
CD4 + IL-23R	312 ± 522	48 ± 95	15 ± 24	169 ± 240	23 ± 22
CD4 + Ki67	7 ± 3	3 ± 7	9 ± 11	28 ± 47	4 ± 7
CD4 + PI	12414 ± 2697	1290 ± 857	9050 ± 2889	6565 ± 3963	6471 ± 3898
CD4 + Podoplanin	459 ± 266	207 ± 289	333 ± 229	156 ± 111	200 ± 284
CD4 + SNA1	4259 ± 3499	1516 ± 1074	2550 ± 1740	3488 ± 2830	3703 ± 2572
CD4 + STAT3	109 ± 125	12 ± 12	4 ± 5	6 ± 9	16 ± 11
CD4 + TIA1	981 ± 497	46 ± 25	662 ± 531	387 ± 64	274 ± 340
CD4 + Vimentin	6299 ± 2557	1166 ± 765	4385 ± 950	3635 ± 2385	2543 ± 1317

Tabelle 65: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1037 ± 1351	968 ± 561	1323 ± 928	2822 ± 1654	1254 ± 633
CD44 + BCL2	4619 ± 3583	1059 ± 1412	3593 ± 2217	647 ± 338	2379 ± 2261
CD44 + CCR6	1777 ± 1772	283 ± 158	1702 ± 1893	2111 ± 597	467 ± 305
CD44 + CD11a	12301 ± 4920	1649 ± 872	18229 ± 9334	4411 ± 2214	5261 ± 2874
CD44 + CD11b	3425 ± 2345	2049 ± 1123	1761 ± 658	11497 ± 2630	6726 ± 2154
CD44 + CD120a	321 ± 369	175 ± 197	262 ± 75	643 ± 400	253 ± 65
CD44 + CD120b	5136 ± 2757	1475 ± 783	3170 ± 1175	3375 ± 1635	1900 ± 1388
CD44 + CD138	32657 ± 31389	5028 ± 3263	27723 ± 6090	15745 ± 8012	6303 ± 1366
CD44 + CD15	1434 ± 1107	416 ± 410	386 ± 462	1086 ± 325	420 ± 146
CD44 + CD1a	525 ± 274	1334 ± 2199	932 ± 620	1297 ± 454	474 ± 180
CD44 + CD2	8616 ± 4209	1089 ± 429	10573 ± 2679	7327 ± 2194	4246 ± 3097
CD44 + CD207	731 ± 288	1260 ± 1142	1488 ± 541	1342 ± 85	845 ± 330
CD44 + CD24	3431 ± 4194	1871 ± 1146	3102 ± 791	4013 ± 2229	2960 ± 2252
CD44 + CD28	8533 ± 3688	438 ± 863	7337 ± 6544	3150 ± 2009	3104 ± 2649
CD44 + CD29	21935 ± 14926	4877 ± 2391	12994 ± 2603	11018 ± 3032	8561 ± 4510
CD44 + CD3	12361 ± 6118	3653 ± 1625	17078 ± 8106	10856 ± 4522	5743 ± 3027
CD44 + CD31	757 ± 1137	623 ± 423	995 ± 978	2140 ± 1116	1170 ± 675
CD44 + CD4	8926 ± 1620	2004 ± 1132	11536 ± 2219	7718 ± 3872	6636 ± 3569
CD44 + CD45	13014 ± 4972	1023 ± 661	15951 ± 7122	5777 ± 3013	3604 ± 2565
CD44 + CD45RA	4045 ± 822	531 ± 154	3861 ± 722	2656 ± 851	2222 ± 336
CD44 + CD45RO	5123 ± 1992	393 ± 334	9315 ± 7063	3000 ± 1289	1073 ± 1242
CD44 + CD52	8741 ± 5985	624 ± 768	11271 ± 11510	3655 ± 1143	2847 ± 3275
CD44 + CD54	23356 ± 3156	5153 ± 4825	13241 ± 9210	7876 ± 4754	9872 ± 7142
CD44 + CD56	779 ± 504	791 ± 285	1036 ± 187	1416 ± 765	899 ± 480
CD44 + CD58	16407 ± 26817	2425 ± 4317	4628 ± 4278	2301 ± 322	3678 ± 945
CD44 + CD62E	257 ± 415	43 ± 45	373 ± 474	173 ± 135	112 ± 58
CD44 + CD62P	969 ± 1791	379 ± 284	612 ± 604	1005 ± 477	657 ± 170
CD44 + CD68	2197 ± 414	1440 ± 626	4155 ± 890	3148 ± 731	2499 ± 1856
CD44 + CD7	5682 ± 479	752 ± 581	12574 ± 6928	4239 ± 1214	2972 ± 2385
CD44 + CD8a	2732 ± 790	888 ± 258	4878 ± 2121	3334 ± 1026	2356 ± 930
CD44 + CK14	38093 ± 31275	6367 ± 5099	39475 ± 7835	20596 ± 10082	9351 ± 3336
CD44 + CLA	3768 ± 1574	580 ± 270	5486 ± 2209	3284 ± 1090	1939 ± 477
CD44 + c-myc	5931 ± 3376	4130 ± 1412	1824 ± 792	3657 ± 1932	3982 ± 3851
CD44 + Collagen IV	4174 ± 3346	3460 ± 1815	9632 ± 3518	12108 ± 4553	5057 ± 2268
CD44 + FXIIIA	1162 ± 670	1603 ± 900	4748 ± 689	4619 ± 1627	2902 ± 1717
CD44 + HLA-DR	41351 ± 17406	15645 ± 7556	39746 ± 11403	37262 ± 25451	24605 ± 4099
CD44 + IL-22R	3011 ± 1712	1189 ± 766	1514 ± 2211	3963 ± 787	3782 ± 2740
CD44 + IL-23R	1066 ± 1587	1817 ± 4378	36 ± 45	1913 ± 1306	945 ± 944
CD44 + Ki67	1556 ± 1335	187 ± 234	1358 ± 1155	1394 ± 1486	289 ± 272
CD44 + PI	23133 ± 6276	6384 ± 2270	30933 ± 7322	23522 ± 7758	14186 ± 3998
CD44 + Podoplanin	10198 ± 11295	2470 ± 2395	1932 ± 780	1277 ± 482	1421 ± 671
CD44 + SNA1	17440 ± 21328	6936 ± 4732	10371 ± 2758	8609 ± 1491	6322 ± 1961
CD44 + STAT3	4982 ± 5154	3092 ± 2835	104 ± 126	4674 ± 1328	2919 ± 1147
CD44 + TIA1	1250 ± 530	187 ± 111	1335 ± 925	1121 ± 318	579 ± 440
CD44 + Vimentin	15449 ± 3305	9314 ± 4467	23508 ± 2692	23493 ± 3833	10688 ± 2927

Tabelle 66: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	587 ± 259	56 ± 59	111 ± 108	230 ± 259	35 ± 43
CD45 + BCL2	2929 ± 3003	172 ± 239	2038 ± 1265	232 ± 131	382 ± 449
CD45 + CCR6	1394 ± 1553	53 ± 35	1346 ± 1623	769 ± 574	261 ± 282
CD45 + CD11a	20813 ± 12592	824 ± 518	16355 ± 7765	2935 ± 455	3393 ± 2506
CD45 + CD11b	3064 ± 2447	334 ± 319	853 ± 688	2900 ± 1823	1432 ± 425
CD45 + CD120a	169 ± 214	18 ± 19	140 ± 96	104 ± 89	43 ± 51
CD45 + CD120b	3702 ± 3810	185 ± 269	1299 ± 424	474 ± 292	143 ± 115
CD45 + CD138	559 ± 481	13 ± 15	284 ± 147	331 ± 501	44 ± 38
CD45 + CD15	547 ± 492	16 ± 28	211 ± 281	113 ± 165	24 ± 27
CD45 + CD1a	265 ± 265	316 ± 721	264 ± 214	281 ± 348	110 ± 93
CD45 + CD2	18573 ± 12629	569 ± 317	10661 ± 3003	4433 ± 2164	3057 ± 2893
CD45 + CD207	739 ± 749	303 ± 668	727 ± 436	432 ± 300	219 ± 171
CD45 + CD24	579 ± 644	68 ± 116	505 ± 327	394 ± 290	182 ± 166
CD45 + CD28	16649 ± 10487	319 ± 617	7523 ± 6652	1946 ± 387	2320 ± 2224
CD45 + CD29	3231 ± 951	191 ± 172	1738 ± 1356	828 ± 494	597 ± 306
CD45 + CD3	20980 ± 15383	1001 ± 664	15486 ± 7399	4847 ± 1471	3564 ± 2791
CD45 + CD31	262 ± 80	42 ± 38	96 ± 122	115 ± 147	58 ± 52
CD45 + CD4	14516 ± 5251	677 ± 622	10859 ± 3168	3393 ± 610	3192 ± 2569
CD45 + CD44	13014 ± 4972	1023 ± 661	15951 ± 7122	5777 ± 3013	3604 ± 2565
CD45 + CD45RA	4217 ± 1123	153 ± 91	2802 ± 782	918 ± 220	781 ± 423
CD45 + CD45RO	10142 ± 5484	234 ± 214	10146 ± 7194	2481 ± 1390	1018 ± 1371
CD45 + CD52	16554 ± 12243	348 ± 523	10310 ± 10127	2271 ± 506	1912 ± 2392
CD45 + CD54	20360 ± 16150	720 ± 757	8824 ± 7616	1939 ± 789	2548 ± 2695
CD45 + CD56	368 ± 146	16 ± 7	205 ± 107	153 ± 170	54 ± 34
CD45 + CD58	1417 ± 1985	345 ± 786	276 ± 184	252 ± 95	514 ± 496
CD45 + CD62E	122 ± 70	10 ± 20	48 ± 36	16 ± 30	3 ± 6
CD45 + CD62P	212 ± 206	18 ± 13	39 ± 29	41 ± 71	8 ± 9
CD45 + CD68	1489 ± 803	59 ± 38	1944 ± 168	352 ± 300	254 ± 149
CD45 + CD7	8178 ± 2753	319 ± 292	11135 ± 6364	2851 ± 1404	2051 ± 1873
CD45 + CD8a	4196 ± 904	351 ± 211	4715 ± 2278	1982 ± 764	1501 ± 1062
CD45 + CK14	723 ± 657	15 ± 13	682 ± 332	275 ± 408	101 ± 148
CD45 + CLA	4668 ± 2865	161 ± 96	3845 ± 1855	1422 ± 550	836 ± 198
CD45 + c-myc	577 ± 222	16 ± 12	216 ± 218	33 ± 40	38 ± 64
CD45 + Collagen IV	926 ± 255	117 ± 77	1873 ± 833	991 ± 683	341 ± 248
CD45 + FXIIIA	436 ± 210	50 ± 38	759 ± 625	517 ± 690	192 ± 126
CD45 + HLA-DR	15756 ± 6913	969 ± 667	12208 ± 6949	4522 ± 1864	3350 ± 2050
CD45 + IL-22R	95 ± 103	8 ± 14	19 ± 10	111 ± 134	53 ± 77
CD45 + IL-23R	156 ± 245	10 ± 23	18 ± 21	108 ± 121	18 ± 15
CD45 + Ki67	12 ± 13	5 ± 7	20 ± 15	40 ± 44	3 ± 2
CD45 + PI	16917 ± 10264	554 ± 323	12498 ± 6709	4200 ± 2039	2958 ± 2494
CD45 + Podoplanin	683 ± 330	156 ± 273	431 ± 357	99 ± 113	52 ± 53
CD45 + SNA1	2706 ± 1700	442 ± 408	2505 ± 1755	1045 ± 968	584 ± 396
CD45 + STAT3	244 ± 201	9 ± 10	33 ± 56	115 ± 148	20 ± 19
CD45 + TIA1	1470 ± 775	87 ± 56	1159 ± 865	794 ± 525	388 ± 448
CD45 + Vimentin	6659 ± 2212	434 ± 373	5737 ± 2193	2261 ± 1517	872 ± 542

Tabelle 67: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	247 ± 252	173 ± 127	148 ± 84	169 ± 121	128 ± 139
CD45RA + BCL2	751 ± 610	48 ± 30	418 ± 323	85 ± 57	163 ± 149
CD45RA + CCR6	529 ± 485	176 ± 149	419 ± 441	431 ± 242	229 ± 82
CD45RA + CD11a	4351 ± 941	337 ± 209	3308 ± 647	909 ± 528	1106 ± 442
CD45RA + CD11b	585 ± 339	322 ± 292	242 ± 168	1207 ± 251	1018 ± 196
CD45RA + CD120a	41 ± 68	0 ± 0	5 ± 9	2 ± 3	3 ± 3
CD45RA + CD120b	941 ± 466	49 ± 49	259 ± 121	409 ± 247	250 ± 132
CD45RA + CD138	181 ± 199	58 ± 65	117 ± 143	27 ± 19	103 ± 153
CD45RA + CD15	234 ± 172	25 ± 28	79 ± 94	85 ± 26	46 ± 39
CD45RA + CD1a	30 ± 22	22 ± 46	7 ± 10	2 ± 3	7 ± 15
CD45RA + CD2	3131 ± 918	214 ± 151	1879 ± 244	1069 ± 121	876 ± 483
CD45RA + CD207	87 ± 14	13 ± 18	65 ± 82	56 ± 57	10 ± 20
CD45RA + CD24	522 ± 384	49 ± 32	265 ± 165	542 ± 272	375 ± 151
CD45RA + CD28	2730 ± 735	20 ± 18	1050 ± 837	427 ± 263	469 ± 336
CD45RA + CD29	1432 ± 105	331 ± 192	630 ± 242	637 ± 552	664 ± 302
CD45RA + CD3	3582 ± 1175	336 ± 206	2399 ± 810	1401 ± 634	1007 ± 366
CD45RA + CD31	99 ± 75	144 ± 135	109 ± 57	138 ± 115	89 ± 74
CD45RA + CD4	3133 ± 933	152 ± 154	1897 ± 324	755 ± 380	826 ± 389
CD45RA + CD44	4045 ± 822	531 ± 154	3861 ± 722	2656 ± 851	2222 ± 336
CD45RA + CD45	4217 ± 1123	153 ± 91	2802 ± 782	918 ± 220	781 ± 423
CD45RA + CD45RO	1307 ± 510	68 ± 63	1128 ± 670	282 ± 145	176 ± 159
CD45RA + CD52	3223 ± 1023	79 ± 60	1829 ± 1530	662 ± 175	540 ± 524
CD45RA + CD54	4729 ± 1656	336 ± 289	1613 ± 1004	768 ± 533	1017 ± 786
CD45RA + CD56	376 ± 231	219 ± 112	295 ± 228	245 ± 167	343 ± 217
CD45RA + CD58	529 ± 657	104 ± 105	79 ± 73	49 ± 35	187 ± 119
CD45RA + CD62E	42 ± 39	7 ± 6	92 ± 65	19 ± 28	13 ± 13
CD45RA + CD62P	112 ± 170	37 ± 28	122 ± 61	99 ± 84	64 ± 28
CD45RA + CD68	549 ± 79	139 ± 108	849 ± 248	244 ± 105	314 ± 85
CD45RA + CD7	2097 ± 423	315 ± 247	2275 ± 899	940 ± 182	851 ± 461
CD45RA + CD8a	943 ± 379	168 ± 133	944 ± 309	737 ± 447	634 ± 230
CD45RA + CK14	181 ± 163	13 ± 27	121 ± 171	24 ± 12	72 ± 64
CD45RA + CLA	2125 ± 588	175 ± 130	1666 ± 229	762 ± 147	477 ± 189
CD45RA + c-myc	294 ± 254	109 ± 116	183 ± 211	47 ± 18	87 ± 108
CD45RA + Collagen IV	427 ± 396	171 ± 137	537 ± 18	576 ± 470	284 ± 171
CD45RA + FXIIIA	189 ± 247	227 ± 126	388 ± 384	311 ± 113	369 ± 161
CD45RA + HLA-DR	5202 ± 1907	743 ± 244	3190 ± 1036	2294 ± 1098	2261 ± 110
CD45RA + IL-22R	7 ± 12	0 ± 0	2 ± 4	1 ± 1	2 ± 2
CD45RA + IL-23R	34 ± 45	28 ± 63	17 ± 26	12 ± 10	10 ± 10
CD45RA + Ki67	1 ± 2	1 ± 1	6 ± 6	10 ± 16	3 ± 6
CD45RA + PI	4559 ± 895	453 ± 243	3315 ± 1134	1833 ± 542	1545 ± 437
CD45RA + Podoplanin	334 ± 292	286 ± 165	158 ± 174	194 ± 133	257 ± 216
CD45RA + SNA1	1177 ± 1104	436 ± 148	679 ± 445	556 ± 118	596 ± 149
CD45RA + STAT3	228 ± 378	120 ± 98	134 ± 160	34 ± 40	136 ± 213
CD45RA + TIA1	634 ± 251	214 ± 140	433 ± 154	463 ± 54	371 ± 107
CD45RA + Vimentin	1784 ± 775	345 ± 40	1443 ± 576	733 ± 38	497 ± 126

Tabelle 68: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	296 ± 466	44 ± 63	161 ± 158	93 ± 76	81 ± 156
CD45RO + BCL2	1869 ± 2088	99 ± 146	1711 ± 1363	140 ± 71	174 ± 254
CD45RO + CCR6	904 ± 753	63 ± 72	1186 ± 1581	439 ± 381	145 ± 118
CD45RO + CD11a	10319 ± 5318	278 ± 224	9932 ± 7693	1763 ± 753	1067 ± 1275
CD45RO + CD11b	1681 ± 645	119 ± 65	804 ± 909	1669 ± 828	476 ± 326
CD45RO + CD120a	66 ± 109	5 ± 7	83 ± 62	19 ± 14	5 ± 6
CD45RO + CD120b	2290 ± 2906	53 ± 103	816 ± 361	153 ± 174	25 ± 27
CD45RO + CD138	491 ± 563	61 ± 93	258 ± 221	61 ± 68	86 ± 161
CD45RO + CD15	563 ± 529	17 ± 18	381 ± 615	27 ± 26	11 ± 11
CD45RO + CD1a	117 ± 100	110 ± 260	141 ± 182	25 ± 23	32 ± 52
CD45RO + CD2	10346 ± 5039	325 ± 228	8088 ± 4643	2936 ± 1333	1233 ± 1661
CD45RO + CD207	305 ± 298	93 ± 221	506 ± 402	107 ± 55	63 ± 80
CD45RO + CD24	265 ± 298	11 ± 16	382 ± 560	114 ± 135	20 ± 21
CD45RO + CD28	8751 ± 5046	132 ± 256	5693 ± 5912	1380 ± 814	827 ± 1065
CD45RO + CD29	1392 ± 379	106 ± 86	1191 ± 1311	340 ± 95	176 ± 89
CD45RO + CD3	10273 ± 5762	387 ± 322	9837 ± 7536	3069 ± 1371	1099 ± 1409
CD45RO + CD31	71 ± 87	8 ± 9	45 ± 69	51 ± 55	11 ± 15
CD45RO + CD4	8374 ± 4265	264 ± 232	7130 ± 4635	2309 ± 1026	1087 ± 1418
CD45RO + CD44	5123 ± 1992	393 ± 334	9315 ± 7063	3000 ± 1289	1073 ± 1242
CD45RO + CD45	10142 ± 5484	234 ± 214	10146 ± 7194	2481 ± 1390	1018 ± 1371
CD45RO + CD45RA	1307 ± 510	68 ± 63	1128 ± 670	282 ± 145	176 ± 159
CD45RO + CD52	7817 ± 4926	142 ± 196	7456 ± 8697	1262 ± 398	615 ± 936
CD45RO + CD54	8002 ± 5912	215 ± 315	5717 ± 6692	851 ± 206	804 ± 1181
CD45RO + CD56	302 ± 371	117 ± 160	299 ± 285	95 ± 81	118 ± 197
CD45RO + CD58	866 ± 1273	138 ± 283	167 ± 96	91 ± 97	161 ± 136
CD45RO + CD62E	90 ± 123	4 ± 6	59 ± 69	10 ± 12	1 ± 1
CD45RO + CD62P	97 ± 111	12 ± 11	24 ± 21	24 ± 32	14 ± 24
CD45RO + CD68	776 ± 278	54 ± 37	1395 ± 683	175 ± 95	121 ± 93
CD45RO + CD7	4805 ± 2265	91 ± 52	7055 ± 6093	1708 ± 1020	632 ± 786
CD45RO + CD8a	2065 ± 843	100 ± 53	2683 ± 2376	963 ± 503	388 ± 506
CD45RO + CK14	456 ± 594	13 ± 16	413 ± 305	71 ± 73	23 ± 44
CD45RO + CLA	2316 ± 1365	65 ± 64	2598 ± 1923	692 ± 308	230 ± 140
CD45RO + c-myc	317 ± 333	76 ± 117	275 ± 306	17 ± 19	51 ± 94
CD45RO + Collagen IV	441 ± 526	40 ± 24	1113 ± 851	407 ± 93	90 ± 94
CD45RO + FXIIIA	332 ± 338	134 ± 136	958 ± 985	302 ± 220	168 ± 120
CD45RO + HLA-DR	6401 ± 3080	447 ± 334	7490 ± 6502	2483 ± 1243	1049 ± 1014
CD45RO + IL-22R	40 ± 60	4 ± 6	11 ± 8	16 ± 15	3 ± 4
CD45RO + IL-23R	224 ± 384	16 ± 34	45 ± 60	51 ± 67	12 ± 8
CD45RO + Ki67	2 ± 1	2 ± 3	20 ± 24	12 ± 8	0 ± 1
CD45RO + PI	7981 ± 3612	257 ± 204	8569 ± 6821	2530 ± 1076	1025 ± 1305
CD45RO + Podoplanin	377 ± 232	88 ± 84	350 ± 382	85 ± 90	91 ± 153
CD45RO + SNA1	2110 ± 2643	289 ± 236	1708 ± 1790	502 ± 307	231 ± 221
CD45RO + STAT3	414 ± 464	103 ± 175	186 ± 226	35 ± 48	103 ± 206
CD45RO + TIA1	1028 ± 566	58 ± 70	906 ± 847	375 ± 226	195 ± 234
CD45RO + Vimentin	3666 ± 1249	310 ± 258	4100 ± 2673	1353 ± 480	361 ± 358

Tabelle 69: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	1642 ± 971	69 ± 100	672 ± 1140	362 ± 479	146 ± 273
CD52 + BCL2	2401 ± 2618	138 ± 217	1476 ± 1494	160 ± 90	252 ± 384
CD52 + CCR6	1089 ± 1324	48 ± 61	1318 ± 1921	610 ± 421	230 ± 287
CD52 + CD11a	15900 ± 10500	428 ± 529	11051 ± 11986	1804 ± 316	2533 ± 2904
CD52 + CD11b	2310 ± 2131	135 ± 179	425 ± 418	1522 ± 320	938 ± 1024
CD52 + CD120a	84 ± 107	3 ± 5	16 ± 18	11 ± 9	8 ± 12
CD52 + CD120b	3187 ± 3731	144 ± 238	944 ± 706	318 ± 165	233 ± 319
CD52 + CD138	157 ± 155	30 ± 43	64 ± 44	17 ± 13	16 ± 16
CD52 + CD15	663 ± 615	39 ± 43	154 ± 165	78 ± 21	14 ± 10
CD52 + CD1a	106 ± 85	260 ± 622	48 ± 64	26 ± 28	70 ± 120
CD52 + CD2	15421 ± 9983	350 ± 366	6958 ± 5713	2711 ± 801	2018 ± 2610
CD52 + CD207	516 ± 643	250 ± 606	459 ± 474	181 ± 112	137 ± 205
CD52 + CD24	490 ± 424	37 ± 56	535 ± 343	293 ± 103	322 ± 471
CD52 + CD28	14626 ± 8629	247 ± 552	6363 ± 7854	1375 ± 604	2061 ± 2534
CD52 + CD29	3734 ± 1316	108 ± 105	2091 ± 3044	833 ± 884	687 ± 913
CD52 + CD3	17278 ± 11962	611 ± 725	11318 ± 11437	3327 ± 876	2712 ± 3095
CD52 + CD31	1009 ± 584	46 ± 65	737 ± 1297	250 ± 299	186 ± 279
CD52 + CD4	13085 ± 4698	444 ± 651	7142 ± 6244	2449 ± 1005	2418 ± 2842
CD52 + CD44	8741 ± 5985	624 ± 768	11271 ± 11510	3655 ± 1143	2847 ± 3275
CD52 + CD45	16554 ± 12243	348 ± 523	10310 ± 10127	2271 ± 506	1912 ± 2392
CD52 + CD45RA	3223 ± 1023	79 ± 60	1829 ± 1530	662 ± 175	540 ± 524
CD52 + CD45RO	7817 ± 4926	142 ± 196	7456 ± 8697	1262 ± 398	615 ± 936
CD52 + CD54	16574 ± 13985	440 ± 783	7440 ± 10669	1543 ± 1297	2471 ± 3019
CD52 + CD56	545 ± 241	13 ± 19	211 ± 167	73 ± 42	54 ± 45
CD52 + CD58	1311 ± 1627	305 ± 697	142 ± 103	122 ± 105	662 ± 1039
CD52 + CD62E	499 ± 311	21 ± 37	539 ± 972	17 ± 23	26 ± 44
CD52 + CD62P	854 ± 684	28 ± 30	545 ± 955	132 ± 211	57 ± 83
CD52 + CD68	1349 ± 937	29 ± 32	1456 ± 1551	162 ± 53	256 ± 264
CD52 + CD7	6335 ± 2282	113 ± 104	7958 ± 9254	1686 ± 267	1756 ± 2193
CD52 + CD8a	3400 ± 941	175 ± 132	3480 ± 2870	1381 ± 218	995 ± 1016
CD52 + CK14	190 ± 187	25 ± 40	52 ± 75	19 ± 13	15 ± 14
CD52 + CLA	3467 ± 2325	138 ± 129	2669 ± 2616	1048 ± 285	528 ± 414
CD52 + c-myc	656 ± 648	31 ± 46	250 ± 332	8 ± 8	7 ± 6
CD52 + Collagen IV	1454 ± 935	82 ± 91	2146 ± 2752	887 ± 963	647 ± 1010
CD52 + FXIIIA	321 ± 177	33 ± 25	652 ± 746	241 ± 157	218 ± 247
CD52 + HLA-DR	11164 ± 7433	570 ± 772	9194 ± 10312	2946 ± 1401	2676 ± 3041
CD52 + IL-22R	60 ± 78	21 ± 46	1 ± 2	8 ± 8	4 ± 3
CD52 + IL-23R	173 ± 196	10 ± 24	12 ± 18	19 ± 16	2 ± 3
CD52 + Ki67	6 ± 7	3 ± 5	11 ± 22	10 ± 15	1 ± 1
CD52 + PI	12756 ± 7776	311 ± 331	9495 ± 10622	2656 ± 856	2576 ± 3094
CD52 + Podoplanin	787 ± 526	70 ± 75	608 ± 832	42 ± 37	15 ± 5
CD52 + SNA1	2105 ± 591	317 ± 451	1651 ± 945	675 ± 213	660 ± 696
CD52 + STAT3	181 ± 311	18 ± 21	58 ± 74	5 ± 4	7 ± 6
CD52 + TIA1	1322 ± 662	21 ± 17	940 ± 1014	412 ± 26	192 ± 245
CD52 + Vimentin	4627 ± 2514	304 ± 405	3684 ± 3602	1176 ± 568	454 ± 516

Tabelle 70: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	8708 ± 3302	2390 ± 1442	6675 ± 2513	6162 ± 3673	4865 ± 3557
CD54 + BCL2	3488 ± 2886	288 ± 541	2003 ± 1780	126 ± 103	418 ± 455
CD54 + CCR6	1562 ± 1874	53 ± 30	1004 ± 1480	464 ± 416	228 ± 225
CD54 + CD11a	18326 ± 13204	1013 ± 1011	9642 ± 9182	1604 ± 737	3590 ± 3534
CD54 + CD11b	4536 ± 3255	989 ± 835	970 ± 724	3316 ± 1943	3811 ± 2890
CD54 + CD120a	371 ± 544	8 ± 14	130 ± 101	6 ± 9	24 ± 39
CD54 + CD120b	4346 ± 3772	382 ± 482	942 ± 602	481 ± 271	478 ± 474
CD54 + CD138	1722 ± 2849	11 ± 12	341 ± 466	49 ± 38	33 ± 61
CD54 + CD15	1085 ± 625	107 ± 144	179 ± 237	239 ± 163	155 ± 187
CD54 + CD1a	304 ± 290	731 ± 1789	157 ± 143	12 ± 15	70 ± 118
CD54 + CD2	16379 ± 13732	669 ± 608	5734 ± 4468	3151 ± 2795	3336 ± 3656
CD54 + CD207	877 ± 856	521 ± 1265	664 ± 504	191 ± 122	166 ± 212
CD54 + CD24	1204 ± 1020	283 ± 267	474 ± 292	503 ± 241	702 ± 820
CD54 + CD28	15107 ± 11360	420 ± 883	5046 ± 6227	1403 ± 875	2750 ± 2980
CD54 + CD29	18356 ± 913	3406 ± 1614	10081 ± 2204	7664 ± 3794	9241 ± 5371
CD54 + CD3	18778 ± 16353	2404 ± 2018	8815 ± 8305	4260 ± 2589	4436 ± 3913
CD54 + CD31	8361 ± 2395	2322 ± 1386	6908 ± 1757	6389 ± 2652	6104 ± 4787
CD54 + CD4	16139 ± 4804	1925 ± 1516	8085 ± 5438	5196 ± 4485	7128 ± 5245
CD54 + CD44	23356 ± 3156	5153 ± 4825	13241 ± 9210	7876 ± 4754	9872 ± 7142
CD54 + CD45	20360 ± 16150	720 ± 757	8824 ± 7616	1939 ± 789	2548 ± 2695
CD54 + CD45RA	4729 ± 1656	336 ± 289	1613 ± 1004	768 ± 533	1017 ± 786
CD54 + CD45RO	8002 ± 5912	215 ± 315	5717 ± 6692	851 ± 206	804 ± 1181
CD54 + CD52	16574 ± 13985	440 ± 783	7440 ± 10669	1543 ± 1297	2471 ± 3019
CD54 + CD56	983 ± 468	97 ± 67	221 ± 176	202 ± 161	400 ± 407
CD54 + CD58	3240 ± 3677	1694 ± 3007	782 ± 331	979 ± 999	2468 ± 2449
CD54 + CD62E	2515 ± 1698	108 ± 139	3343 ± 2756	713 ± 640	596 ± 416
CD54 + CD62P	4000 ± 2941	959 ± 667	4992 ± 1720	3570 ± 1347	2971 ± 2066
CD54 + CD68	5983 ± 2134	1379 ± 680	4146 ± 1390	2071 ± 1046	2639 ± 1438
CD54 + CD7	6696 ± 2320	583 ± 704	7082 ± 6991	1416 ± 402	2406 ± 2592
CD54 + CD8a	2927 ± 1146	480 ± 351	1973 ± 1992	1076 ± 478	1390 ± 1155
CD54 + CK14	2091 ± 3295	15 ± 27	472 ± 655	10 ± 7	18 ± 23
CD54 + CLA	4827 ± 2784	238 ± 180	2567 ± 2213	918 ± 768	775 ± 490
CD54 + c-myc	6496 ± 6475	836 ± 1129	2696 ± 4072	62 ± 106	284 ± 578
CD54 + Collagen IV	10001 ± 3342	3090 ± 1614	9465 ± 3215	8043 ± 4014	7705 ± 5448
CD54 + FXIIIA	1270 ± 711	395 ± 401	1203 ± 977	925 ± 713	1632 ± 1655
CD54 + HLA-DR	33737 ± 6881	6336 ± 4736	13671 ± 7591	8955 ± 5231	13733 ± 10026
CD54 + IL-22R	82 ± 131	4 ± 6	12 ± 9	1 ± 1	12 ± 19
CD54 + IL-23R	578 ± 982	266 ± 648	43 ± 71	274 ± 280	41 ± 58
CD54 + Ki67	27 ± 18	4 ± 8	20 ± 22	43 ± 82	3 ± 4
CD54 + PI	25485 ± 9579	2977 ± 1608	12067 ± 7209	7407 ± 3892	9474 ± 6949
CD54 + Podoplanin	2594 ± 1129	589 ± 735	530 ± 606	131 ± 121	397 ± 289
CD54 + SNA1	18034 ± 8051	5162 ± 2949	10616 ± 3298	7275 ± 2044	8745 ± 5716
CD54 + STAT3	338 ± 392	56 ± 66	39 ± 45	2 ± 4	68 ± 146
CD54 + TIA1	1651 ± 865	196 ± 174	1034 ± 721	501 ± 256	431 ± 444
CD54 + Vimentin	19137 ± 2611	3382 ± 2728	9841 ± 2664	5831 ± 1718	5106 ± 4025

Tabelle 71: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	728 ± 931	222 ± 260	190 ± 131	155 ± 162	209 ± 224
CD56 + BCL2	99 ± 42	38 ± 62	109 ± 76	11 ± 16	37 ± 32
CD56 + CCR6	289 ± 318	210 ± 192	326 ± 358	286 ± 250	161 ± 133
CD56 + CD11a	426 ± 251	37 ± 30	332 ± 171	76 ± 57	94 ± 55
CD56 + CD11b	167 ± 94	128 ± 133	51 ± 38	438 ± 293	410 ± 233
CD56 + CD120a	4 ± 5	2 ± 2	0 ± 0	0 ± 1	1 ± 2
CD56 + CD120b	70 ± 55	23 ± 19	33 ± 16	51 ± 44	21 ± 11
CD56 + CD138	171 ± 299	358 ± 396	140 ± 171	59 ± 42	142 ± 157
CD56 + CD15	70 ± 103	19 ± 19	26 ± 34	31 ± 39	20 ± 26
CD56 + CD1a	5 ± 6	6 ± 10	0 ± 0	0 ± 0	0 ± 1
CD56 + CD2	578 ± 386	45 ± 26	363 ± 305	239 ± 174	91 ± 52
CD56 + CD207	23 ± 31	4 ± 6	9 ± 11	3 ± 6	0 ± 1
CD56 + CD24	57 ± 96	52 ± 63	49 ± 27	64 ± 56	48 ± 35
CD56 + CD28	395 ± 204	6 ± 8	55 ± 27	77 ± 92	65 ± 54
CD56 + CD29	1577 ± 1685	1048 ± 636	1011 ± 528	1195 ± 547	1071 ± 461
CD56 + CD3	521 ± 317	76 ± 50	234 ± 129	281 ± 253	121 ± 45
CD56 + CD31	59 ± 64	62 ± 145	20 ± 24	21 ± 32	41 ± 68
CD56 + CD4	561 ± 298	108 ± 171	210 ± 220	309 ± 348	331 ± 265
CD56 + CD44	779 ± 504	791 ± 285	1036 ± 187	1416 ± 765	899 ± 480
CD56 + CD45	368 ± 146	16 ± 7	205 ± 107	153 ± 170	54 ± 34
CD56 + CD45RA	376 ± 231	219 ± 112	295 ± 228	245 ± 167	343 ± 217
CD56 + CD45RO	302 ± 371	117 ± 160	299 ± 285	95 ± 81	118 ± 197
CD56 + CD52	545 ± 241	13 ± 19	211 ± 167	73 ± 42	54 ± 45
CD56 + CD54	983 ± 468	97 ± 67	221 ± 176	202 ± 161	400 ± 407
CD56 + CD58	322 ± 359	175 ± 300	130 ± 110	211 ± 249	309 ± 300
CD56 + CD62E	0 ± 0	1 ± 1	4 ± 5	0 ± 0	4 ± 6
CD56 + CD62P	23 ± 46	9 ± 8	7 ± 10	0 ± 1	24 ± 23
CD56 + CD68	462 ± 465	218 ± 66	572 ± 301	351 ± 231	483 ± 288
CD56 + CD7	333 ± 182	23 ± 32	341 ± 267	106 ± 78	96 ± 63
CD56 + CD8a	118 ± 117	19 ± 24	48 ± 38	43 ± 36	48 ± 28
CD56 + CK14	107 ± 116	352 ± 377	77 ± 122	15 ± 24	77 ± 68
CD56 + CLA	124 ± 25	21 ± 12	109 ± 62	65 ± 37	48 ± 32
CD56 + c-myc	456 ± 755	434 ± 547	286 ± 325	55 ± 59	101 ± 126
CD56 + Collagen IV	1226 ± 952	1227 ± 504	1481 ± 200	2487 ± 1202	1398 ± 908
CD56 + FXIIIA	351 ± 319	589 ± 144	715 ± 440	662 ± 393	712 ± 373
CD56 + HLA-DR	1298 ± 471	923 ± 114	1249 ± 266	1511 ± 1075	1284 ± 456
CD56 + IL-22R	1 ± 1	1 ± 1	1 ± 2	0 ± 1	3 ± 4
CD56 + IL-23R	35 ± 46	44 ± 100	27 ± 29	21 ± 18	14 ± 11
CD56 + Ki67	0 ± 0	3 ± 4	6 ± 11	1 ± 1	4 ± 5
CD56 + PI	1148 ± 927	559 ± 338	881 ± 293	943 ± 345	632 ± 293
CD56 + Podoplanin	211 ± 305	665 ± 527	190 ± 186	147 ± 131	268 ± 204
CD56 + SNA1	872 ± 949	797 ± 283	696 ± 235	781 ± 156	778 ± 285
CD56 + STAT3	264 ± 495	487 ± 546	255 ± 300	50 ± 51	164 ± 253
CD56 + TIA1	229 ± 134	86 ± 113	85 ± 86	79 ± 94	104 ± 98
CD56 + Vimentin	1069 ± 821	847 ± 464	1153 ± 463	1074 ± 397	649 ± 354

Tabelle 72: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	1324 ± 978	817 ± 1099	811 ± 512	877 ± 1092	1039 ± 951
CD58 + BCL2	3687 ± 5623	1817 ± 3530	441 ± 705	25 ± 25	1497 ± 1756
CD58 + CCR6	254 ± 171	203 ± 281	218 ± 235	189 ± 114	98 ± 55
CD58 + CD11a	1650 ± 2767	377 ± 866	272 ± 216	155 ± 134	723 ± 969
CD58 + CD11b	169 ± 204	114 ± 181	20 ± 22	223 ± 266	599 ± 865
CD58 + CD120a	87 ± 128	134 ± 174	99 ± 107	227 ± 275	166 ± 153
CD58 + CD120b	500 ± 816	166 ± 351	49 ± 33	41 ± 41	84 ± 119
CD58 + CD138	27103 ± 41936	2895 ± 3461	7537 ± 7770	2850 ± 2221	5785 ± 6123
CD58 + CD15	69 ± 51	24 ± 37	8 ± 14	29 ± 40	52 ± 27
CD58 + CD1a	448 ± 452	1212 ± 1947	897 ± 1054	911 ± 932	569 ± 426
CD58 + CD2	1596 ± 2268	280 ± 655	191 ± 192	215 ± 129	548 ± 505
CD58 + CD207	265 ± 166	1007 ± 1317	387 ± 244	436 ± 293	656 ± 491
CD58 + CD24	36 ± 22	24 ± 31	20 ± 17	32 ± 43	134 ± 226
CD58 + CD28	1400 ± 1961	358 ± 859	119 ± 94	188 ± 250	727 ± 1083
CD58 + CD29	10931 ± 15661	1882 ± 2148	1670 ± 723	1342 ± 909	4269 ± 2478
CD58 + CD3	1803 ± 2917	789 ± 1822	227 ± 164	476 ± 582	885 ± 1102
CD58 + CD31	1312 ± 1164	872 ± 1119	744 ± 364	914 ± 891	1527 ± 1349
CD58 + CD4	1711 ± 2471	685 ± 1346	218 ± 203	739 ± 1008	1533 ± 1763
CD58 + CD44	16407 ± 26817	2425 ± 4317	4628 ± 4278	2301 ± 322	3678 ± 945
CD58 + CD45	1417 ± 1985	345 ± 786	276 ± 184	252 ± 95	514 ± 496
CD58 + CD45RA	529 ± 657	104 ± 105	79 ± 73	49 ± 35	187 ± 119
CD58 + CD45RO	866 ± 1273	138 ± 283	167 ± 96	91 ± 97	161 ± 136
CD58 + CD52	1311 ± 1627	305 ± 697	142 ± 103	122 ± 105	662 ± 1039
CD58 + CD54	3240 ± 3677	1694 ± 3007	782 ± 331	979 ± 999	2468 ± 2449
CD58 + CD56	322 ± 359	175 ± 300	130 ± 110	211 ± 249	309 ± 300
CD58 + CD62E	303 ± 369	64 ± 130	182 ± 165	138 ± 137	260 ± 246
CD58 + CD62P	343 ± 418	240 ± 466	235 ± 203	437 ± 503	732 ± 588
CD58 + CD68	785 ± 960	598 ± 651	653 ± 249	593 ± 413	1118 ± 495
CD58 + CD7	906 ± 1290	120 ± 163	342 ± 257	149 ± 104	644 ± 1008
CD58 + CD8a	546 ± 880	87 ± 181	56 ± 26	118 ± 73	238 ± 275
CD58 + CK14	27797 ± 41588	2691 ± 3315	8388 ± 7801	2564 ± 1958	6032 ± 6433
CD58 + CLA	269 ± 246	81 ± 116	184 ± 111	238 ± 351	334 ± 329
CD58 + c-myc	4310 ± 4975	2883 ± 3707	909 ± 1041	1071 ± 840	3977 ± 3203
CD58 + Collagen IV	2796 ± 3962	780 ± 1334	910 ± 369	981 ± 944	1598 ± 1705
CD58 + FXIIIA	89 ± 138	67 ± 92	80 ± 120	29 ± 33	387 ± 679
CD58 + HLA-DR	12234 ± 19971	2063 ± 3655	1482 ± 1143	1720 ± 1347	3176 ± 1335
CD58 + IL-22R	2871 ± 3061	1285 ± 2208	338 ± 156	1474 ± 1734	3566 ± 3734
CD58 + IL-23R	1743 ± 2930	1141 ± 2698	43 ± 38	939 ± 1104	1700 ± 1758
CD58 + Ki67	1164 ± 1978	60 ± 93	114 ± 182	14 ± 24	70 ± 113
CD58 + PI	7884 ± 11461	1930 ± 2409	1490 ± 1324	1184 ± 887	3275 ± 2083
CD58 + Podoplanin	5529 ± 9450	96 ± 105	85 ± 53	14 ± 16	80 ± 72
CD58 + SNA1	7559 ± 12767	1527 ± 2613	897 ± 125	918 ± 688	1805 ± 1467
CD58 + STAT3	7597 ± 11707	2785 ± 3794	283 ± 236	1801 ± 1989	4605 ± 5523
CD58 + TIA1	240 ± 208	96 ± 79	52 ± 32	73 ± 34	84 ± 56
CD58 + Vimentin	3124 ± 4264	1055 ± 1768	1185 ± 416	1137 ± 326	1251 ± 692

Tabelle 73: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	1767 ± 1352	81 ± 134	2307 ± 2076	726 ± 798	427 ± 355
CD62E + BCL2	107 ± 116	4 ± 6	599 ± 1189	4 ± 5	26 ± 28
CD62E + CCR6	38 ± 43	0 ± 1	8 ± 13	8 ± 8	4 ± 4
CD62E + CD11a	149 ± 99	9 ± 14	116 ± 132	4 ± 4	24 ± 46
CD62E + CD11b	452 ± 390	23 ± 24	348 ± 542	43 ± 30	110 ± 225
CD62E + CD120a	5 ± 7	0 ± 1	2 ± 4	0 ± 0	1 ± 1
CD62E + CD120b	18 ± 13	9 ± 15	8 ± 12	1 ± 2	0 ± 0
CD62E + CD138	30 ± 29	8 ± 7	13 ± 15	6 ± 13	13 ± 16
CD62E + CD15	173 ± 229	5 ± 5	110 ± 166	51 ± 68	10 ± 11
CD62E + CD1a	0 ± 0	38 ± 93	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	337 ± 245	19 ± 28	59 ± 86	50 ± 66	50 ± 42
CD62E + CD207	3 ± 5	26 ± 59	1 ± 2	0 ± 0	0 ± 0
CD62E + CD24	77 ± 74	0 ± 1	156 ± 273	8 ± 14	0 ± 0
CD62E + CD28	286 ± 204	25 ± 59	58 ± 70	15 ± 24	23 ± 39
CD62E + CD29	2308 ± 1408	73 ± 55	3109 ± 2719	751 ± 759	606 ± 406
CD62E + CD3	286 ± 212	67 ± 85	133 ± 117	62 ± 71	63 ± 63
CD62E + CD31	2142 ± 1488	81 ± 101	3043 ± 2619	820 ± 841	585 ± 430
CD62E + CD4	651 ± 485	55 ± 76	167 ± 145	191 ± 239	380 ± 321
CD62E + CD44	257 ± 415	43 ± 45	373 ± 474	173 ± 135	112 ± 58
CD62E + CD45	122 ± 70	10 ± 20	48 ± 36	16 ± 30	3 ± 6
CD62E + CD45RA	42 ± 39	7 ± 6	92 ± 65	19 ± 28	13 ± 13
CD62E + CD45RO	90 ± 123	4 ± 6	59 ± 69	10 ± 12	1 ± 1
CD62E + CD52	499 ± 311	21 ± 37	539 ± 972	17 ± 23	26 ± 44
CD62E + CD54	2515 ± 1698	108 ± 139	3343 ± 2756	713 ± 640	596 ± 416
CD62E + CD56	0 ± 0	1 ± 1	4 ± 5	0 ± 0	4 ± 6
CD62E + CD58	303 ± 369	64 ± 130	182 ± 165	138 ± 137	260 ± 246
CD62E + CD62P	2013 ± 1750	77 ± 70	2985 ± 2218	828 ± 839	598 ± 411
CD62E + CD68	1034 ± 1081	47 ± 39	1348 ± 1020	419 ± 391	366 ± 287
CD62E + CD7	94 ± 94	5 ± 7	220 ± 280	32 ± 32	41 ± 78
CD62E + CD8a	12 ± 11	6 ± 8	15 ± 11	6 ± 9	1 ± 2
CD62E + CK14	39 ± 71	3 ± 7	4 ± 6	6 ± 7	12 ± 17
CD62E + CLA	53 ± 62	0 ± 1	55 ± 102	1 ± 2	1 ± 2
CD62E + c-myc	1067 ± 1583	26 ± 38	1523 ± 2385	38 ± 68	13 ± 16
CD62E + Collagen IV	1027 ± 732	75 ± 121	1923 ± 1735	436 ± 507	244 ± 237
CD62E + FXIIIA	24 ± 27	1 ± 1	353 ± 696	40 ± 64	84 ± 181
CD62E + HLA-DR	1282 ± 709	101 ± 124	1574 ± 1256	378 ± 297	425 ± 316
CD62E + IL-22R	1 ± 1	2 ± 3	1 ± 1	6 ± 7	5 ± 7
CD62E + IL-23R	127 ± 177	14 ± 30	26 ± 47	164 ± 284	9 ± 8
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD62E + PI	1398 ± 756	64 ± 49	1941 ± 1669	463 ± 321	408 ± 282
CD62E + Podoplanin	3 ± 5	14 ± 21	2 ± 3	0 ± 0	0 ± 1
CD62E + SNA1	2123 ± 1773	115 ± 146	2717 ± 2512	631 ± 690	510 ± 374
CD62E + STAT3	64 ± 60	11 ± 13	17 ± 32	6 ± 6	27 ± 40
CD62E + TIA1	204 ± 147	13 ± 14	264 ± 160	108 ± 164	3 ± 4
CD62E + Vimentin	1293 ± 1091	64 ± 59	2104 ± 1788	464 ± 371	298 ± 228

Tabelle 74: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	3196 ± 2626	818 ± 628	3608 ± 1579	3417 ± 1804	2179 ± 1615
CD62P + BCL2	135 ± 105	5 ± 6	537 ± 1066	0 ± 0	46 ± 57
CD62P + CCR6	67 ± 91	5 ± 7	8 ± 13	23 ± 27	19 ± 17
CD62P + CD11a	206 ± 240	28 ± 12	126 ± 121	17 ± 18	53 ± 82
CD62P + CD11b	371 ± 331	75 ± 97	232 ± 313	124 ± 95	275 ± 485
CD62P + CD120a	5 ± 7	1 ± 1	1 ± 1	0 ± 0	3 ± 6
CD62P + CD120b	563 ± 1079	82 ± 98	8 ± 7	13 ± 19	24 ± 28
CD62P + CD138	77 ± 89	10 ± 11	14 ± 17	5 ± 9	36 ± 47
CD62P + CD15	696 ± 1261	103 ± 149	24 ± 29	111 ± 155	56 ± 27
CD62P + CD1a	4 ± 9	18 ± 38	0 ± 0	0 ± 0	1 ± 1
CD62P + CD2	465 ± 472	47 ± 54	75 ± 120	314 ± 431	87 ± 69
CD62P + CD207	14 ± 18	13 ± 32	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	627 ± 1146	88 ± 131	60 ± 114	24 ± 30	45 ± 60
CD62P + CD28	446 ± 441	20 ± 32	65 ± 75	46 ± 43	65 ± 106
CD62P + CD29	4211 ± 3454	1113 ± 688	4291 ± 1567	3070 ± 734	2984 ± 1842
CD62P + CD3	417 ± 448	182 ± 144	142 ± 158	355 ± 341	172 ± 187
CD62P + CD31	3437 ± 2564	896 ± 640	4254 ± 1686	3768 ± 1401	2889 ± 2117
CD62P + CD4	995 ± 932	260 ± 271	210 ± 274	1199 ± 1331	1201 ± 923
CD62P + CD44	969 ± 1791	379 ± 284	612 ± 604	1005 ± 477	657 ± 170
CD62P + CD45	212 ± 206	18 ± 13	39 ± 29	41 ± 71	8 ± 9
CD62P + CD45RA	112 ± 170	37 ± 28	122 ± 61	99 ± 84	64 ± 28
CD62P + CD45RO	97 ± 111	12 ± 11	24 ± 21	24 ± 32	14 ± 24
CD62P + CD52	854 ± 684	28 ± 30	545 ± 955	132 ± 211	57 ± 83
CD62P + CD54	4000 ± 2941	959 ± 667	4992 ± 1720	3570 ± 1347	2971 ± 2066
CD62P + CD56	23 ± 46	9 ± 8	7 ± 10	0 ± 1	24 ± 23
CD62P + CD58	343 ± 418	240 ± 466	235 ± 203	437 ± 503	732 ± 588
CD62P + CD62E	2013 ± 1750	77 ± 70	2985 ± 2218	828 ± 839	598 ± 411
CD62P + CD68	1442 ± 1483	441 ± 321	1610 ± 799	1226 ± 701	1077 ± 627
CD62P + CD7	191 ± 229	76 ± 76	286 ± 253	146 ± 155	110 ± 132
CD62P + CD8a	35 ± 59	18 ± 22	12 ± 18	30 ± 30	6 ± 6
CD62P + CK14	37 ± 47	8 ± 10	3 ± 5	0 ± 0	24 ± 36
CD62P + CLA	58 ± 78	3 ± 5	23 ± 40	6 ± 8	2 ± 2
CD62P + c-myc	2146 ± 2972	409 ± 527	1459 ± 2058	53 ± 105	56 ± 113
CD62P + Collagen IV	1366 ± 863	475 ± 307	2707 ± 1341	2489 ± 747	1318 ± 939
CD62P + FXIIIA	37 ± 19	11 ± 11	329 ± 642	139 ± 161	208 ± 311
CD62P + HLA-DR	2224 ± 1876	781 ± 405	2381 ± 539	2240 ± 1522	2350 ± 1557
CD62P + IL-22R	1 ± 1	1 ± 2	0 ± 0	0 ± 0	6 ± 9
CD62P + IL-23R	153 ± 231	12 ± 28	24 ± 48	285 ± 329	10 ± 9
CD62P + Ki67	1 ± 2	0 ± 1	0 ± 0	2 ± 4	1 ± 1
CD62P + PI	2366 ± 1706	568 ± 379	2646 ± 1100	2151 ± 1001	1740 ± 908
CD62P + Podoplanin	46 ± 86	53 ± 74	4 ± 5	0 ± 0	21 ± 31
CD62P + SNA1	3443 ± 3485	1124 ± 646	4052 ± 1457	2967 ± 643	2598 ± 1733
CD62P + STAT3	139 ± 167	41 ± 80	18 ± 36	1 ± 1	55 ± 67
CD62P + TIA1	154 ± 119	46 ± 45	267 ± 80	183 ± 154	48 ± 56
CD62P + Vimentin	2119 ± 1938	558 ± 372	3049 ± 911	2059 ± 488	1477 ± 1156

Tabelle 75: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	2746 ± 2562	801 ± 623	2289 ± 726	1977 ± 1194	1447 ± 1086
CD68 + BCL2	1257 ± 774	480 ± 388	1357 ± 1040	607 ± 252	912 ± 628
CD68 + CCR6	587 ± 485	99 ± 67	591 ± 617	510 ± 345	185 ± 59
CD68 + CD11a	1244 ± 557	98 ± 70	1991 ± 377	121 ± 39	324 ± 140
CD68 + CD11b	1095 ± 1038	296 ± 112	675 ± 317	1424 ± 541	1858 ± 1093
CD68 + CD120a	80 ± 59	89 ± 66	72 ± 60	183 ± 94	132 ± 85
CD68 + CD120b	292 ± 275	11 ± 19	191 ± 119	54 ± 48	27 ± 15
CD68 + CD138	494 ± 419	452 ± 133	311 ± 186	997 ± 92	712 ± 585
CD68 + CD15	226 ± 241	100 ± 192	119 ± 188	178 ± 268	129 ± 113
CD68 + CD1a	97 ± 98	216 ± 169	81 ± 63	325 ± 201	215 ± 220
CD68 + CD2	1466 ± 802	92 ± 59	1636 ± 396	627 ± 377	595 ± 262
CD68 + CD207	209 ± 224	258 ± 173	119 ± 52	340 ± 123	304 ± 252
CD68 + CD24	48 ± 23	4 ± 9	221 ± 231	59 ± 66	48 ± 31
CD68 + CD28	1177 ± 561	11 ± 11	729 ± 356	207 ± 213	245 ± 203
CD68 + CD29	4746 ± 3694	2450 ± 564	4389 ± 717	4279 ± 885	4810 ± 3024
CD68 + CD3	1314 ± 708	264 ± 127	1790 ± 469	799 ± 541	485 ± 222
CD68 + CD31	2834 ± 2616	1220 ± 674	2969 ± 802	2671 ± 1450	2414 ± 1373
CD68 + CD4	2007 ± 470	410 ± 289	2078 ± 582	1536 ± 1481	1721 ± 1376
CD68 + CD44	2197 ± 414	1440 ± 626	4155 ± 890	3148 ± 731	2499 ± 1856
CD68 + CD45	1489 ± 803	59 ± 38	1944 ± 168	352 ± 300	254 ± 149
CD68 + CD45RA	549 ± 79	139 ± 108	849 ± 248	244 ± 105	314 ± 85
CD68 + CD45RO	776 ± 278	54 ± 37	1395 ± 683	175 ± 95	121 ± 93
CD68 + CD52	1349 ± 937	29 ± 32	1456 ± 1551	162 ± 53	256 ± 264
CD68 + CD54	5983 ± 2134	1379 ± 680	4146 ± 1390	2071 ± 1046	2639 ± 1438
CD68 + CD56	462 ± 465	218 ± 66	572 ± 301	351 ± 231	483 ± 288
CD68 + CD58	785 ± 960	598 ± 651	653 ± 249	593 ± 413	1118 ± 495
CD68 + CD62E	1034 ± 1081	47 ± 39	1348 ± 1020	419 ± 391	366 ± 287
CD68 + CD62P	1442 ± 1483	441 ± 321	1610 ± 799	1226 ± 701	1077 ± 627
CD68 + CD7	567 ± 211	107 ± 141	1503 ± 632	262 ± 34	250 ± 251
CD68 + CD8a	141 ± 77	26 ± 14	350 ± 237	137 ± 44	127 ± 119
CD68 + CK14	890 ± 663	1984 ± 733	677 ± 270	3077 ± 738	2982 ± 2736
CD68 + CLA	566 ± 347	52 ± 64	815 ± 259	382 ± 256	360 ± 379
CD68 + c-myc	1816 ± 2374	1154 ± 615	1135 ± 1257	465 ± 253	804 ± 794
CD68 + Collagen IV	1837 ± 1673	1870 ± 727	2819 ± 866	3058 ± 1287	2749 ± 1897
CD68 + FXIIIA	1104 ± 594	434 ± 260	2745 ± 1591	1428 ± 306	1896 ± 1296
CD68 + HLA-DR	4931 ± 1483	2060 ± 629	5490 ± 2141	3353 ± 2240	4286 ± 2074
CD68 + IL-22R	58 ± 90	118 ± 169	12 ± 6	253 ± 193	376 ± 440
CD68 + IL-23R	219 ± 246	270 ± 651	51 ± 70	570 ± 324	198 ± 181
CD68 + Ki67	28 ± 23	66 ± 97	39 ± 30	221 ± 152	71 ± 85
CD68 + PI	4195 ± 1883	2649 ± 619	4446 ± 400	4150 ± 1185	4478 ± 2235
CD68 + Podoplanin	340 ± 237	357 ± 351	253 ± 144	166 ± 132	353 ± 329
CD68 + SNA1	4354 ± 2409	2551 ± 684	4525 ± 1326	3481 ± 1010	3939 ± 1962
CD68 + STAT3	259 ± 411	302 ± 179	239 ± 291	174 ± 60	387 ± 280
CD68 + TIA1	213 ± 61	88 ± 76	250 ± 149	125 ± 63	127 ± 80
CD68 + Vimentin	6088 ± 691	3048 ± 594	6537 ± 1557	5707 ± 91	4468 ± 2032

Tabelle 76: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	356 ± 381	236 ± 263	346 ± 294	281 ± 236	211 ± 393
CD7 + BCL2	1465 ± 1158	67 ± 59	1675 ± 1111	173 ± 107	317 ± 390
CD7 + CCR6	724 ± 635	32 ± 27	1098 ± 1482	551 ± 525	176 ± 213
CD7 + CD11a	8128 ± 2281	593 ± 582	12044 ± 7999	2303 ± 633	2814 ± 2395
CD7 + CD11b	1012 ± 603	343 ± 435	480 ± 274	1894 ± 351	1169 ± 934
CD7 + CD120a	32 ± 39	0 ± 0	56 ± 50	21 ± 23	13 ± 12
CD7 + CD120b	1928 ± 1790	81 ± 88	1294 ± 503	347 ± 208	158 ± 208
CD7 + CD138	444 ± 728	5 ± 9	526 ± 272	74 ± 80	25 ± 24
CD7 + CD15	301 ± 281	8 ± 10	96 ± 92	71 ± 36	20 ± 34
CD7 + CD1a	141 ± 141	32 ± 73	161 ± 157	46 ± 49	67 ± 120
CD7 + CD2	7785 ± 2199	418 ± 298	8408 ± 3194	3453 ± 1406	2295 ± 2170
CD7 + CD207	218 ± 126	31 ± 70	508 ± 367	173 ± 102	130 ± 195
CD7 + CD24	231 ± 311	72 ± 107	416 ± 190	323 ± 295	221 ± 330
CD7 + CD28	7184 ± 2119	83 ± 67	6418 ± 6279	1697 ± 653	2112 ± 2268
CD7 + CD29	1889 ± 419	393 ± 458	2316 ± 1650	785 ± 339	795 ± 791
CD7 + CD3	8425 ± 2601	733 ± 650	12044 ± 7029	4180 ± 1439	3002 ± 2555
CD7 + CD31	250 ± 236	218 ± 263	432 ± 439	236 ± 218	266 ± 319
CD7 + CD4	6564 ± 2107	329 ± 203	7969 ± 3707	2572 ± 852	2480 ± 2182
CD7 + CD44	5682 ± 479	752 ± 581	12574 ± 6928	4239 ± 1214	2972 ± 2385
CD7 + CD45	8178 ± 2753	319 ± 292	11135 ± 6364	2851 ± 1404	2051 ± 1873
CD7 + CD45RA	2097 ± 423	315 ± 247	2275 ± 899	940 ± 182	851 ± 461
CD7 + CD45RO	4805 ± 2265	91 ± 52	7055 ± 6093	1708 ± 1020	632 ± 786
CD7 + CD52	6335 ± 2282	113 ± 104	7958 ± 9254	1686 ± 267	1756 ± 2193
CD7 + CD54	6696 ± 2320	583 ± 704	7082 ± 6991	1416 ± 402	2406 ± 2592
CD7 + CD56	333 ± 182	23 ± 32	341 ± 267	106 ± 78	96 ± 63
CD7 + CD58	906 ± 1290	120 ± 163	342 ± 257	149 ± 104	644 ± 1008
CD7 + CD62E	94 ± 94	5 ± 7	220 ± 280	32 ± 32	41 ± 78
CD7 + CD62P	191 ± 229	76 ± 76	286 ± 253	146 ± 155	110 ± 132
CD7 + CD68	567 ± 211	107 ± 141	1503 ± 632	262 ± 34	250 ± 251
CD7 + CD8a	2327 ± 956	358 ± 324	3872 ± 2298	1783 ± 690	1309 ± 1027
CD7 + CK14	618 ± 881	4 ± 4	1396 ± 500	129 ± 61	60 ± 52
CD7 + CLA	2030 ± 1125	162 ± 137	3170 ± 2078	1149 ± 404	662 ± 215
CD7 + c-myc	434 ± 338	29 ± 29	281 ± 196	36 ± 28	25 ± 35
CD7 + Collagen IV	588 ± 346	247 ± 250	2248 ± 1179	888 ± 348	715 ± 970
CD7 + FXIIIA	111 ± 113	38 ± 35	401 ± 232	273 ± 74	205 ± 284
CD7 + HLA-DR	5873 ± 1184	827 ± 567	9377 ± 6707	3027 ± 1004	2853 ± 2209
CD7 + IL-22R	40 ± 75	0 ± 0	16 ± 14	15 ± 22	10 ± 11
CD7 + IL-23R	67 ± 119	6 ± 15	4 ± 4	32 ± 24	10 ± 19
CD7 + Ki67	13 ± 18	1 ± 1	51 ± 41	11 ± 9	5 ± 4
CD7 + PI	6210 ± 1374	549 ± 484	10287 ± 6397	3385 ± 938	2771 ± 2485
CD7 + Podoplanin	466 ± 251	189 ± 371	494 ± 404	145 ± 145	37 ± 28
CD7 + SNA1	1715 ± 1417	418 ± 282	2268 ± 713	828 ± 176	676 ± 557
CD7 + STAT3	196 ± 267	9 ± 15	15 ± 28	11 ± 12	15 ± 16
CD7 + TIA1	1090 ± 193	203 ± 215	1203 ± 815	730 ± 347	447 ± 404
CD7 + Vimentin	3174 ± 293	360 ± 144	4787 ± 1561	1624 ± 304	719 ± 421

Tabelle 77: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	131 ± 86	93 ± 159	62 ± 48	180 ± 117	32 ± 19
CD8a + BCL2	541 ± 423	90 ± 98	629 ± 404	103 ± 57	206 ± 184
CD8a + CCR6	355 ± 332	35 ± 38	439 ± 579	379 ± 278	135 ± 126
CD8a + CD11a	4570 ± 1536	660 ± 429	4960 ± 2345	1941 ± 977	2127 ± 1045
CD8a + CD11b	351 ± 212	318 ± 345	144 ± 135	1298 ± 466	790 ± 370
CD8a + CD120a	32 ± 56	1 ± 2	6 ± 4	10 ± 12	4 ± 3
CD8a + CD120b	628 ± 486	60 ± 47	308 ± 182	206 ± 71	104 ± 99
CD8a + CD138	352 ± 437	3 ± 7	84 ± 36	82 ± 74	19 ± 17
CD8a + CD15	119 ± 116	22 ± 21	61 ± 100	32 ± 13	8 ± 6
CD8a + CD1a	25 ± 15	44 ± 103	50 ± 53	33 ± 20	28 ± 47
CD8a + CD2	4228 ± 889	561 ± 326	3850 ± 1265	2840 ± 107	2010 ± 1168
CD8a + CD207	43 ± 52	41 ± 87	92 ± 57	103 ± 71	54 ± 96
CD8a + CD24	109 ± 192	58 ± 52	186 ± 116	210 ± 104	161 ± 182
CD8a + CD28	2995 ± 967	69 ± 101	2207 ± 2231	973 ± 793	1004 ± 897
CD8a + CD29	736 ± 281	209 ± 137	491 ± 456	531 ± 365	431 ± 228
CD8a + CD3	4483 ± 1821	1060 ± 391	4864 ± 2424	3329 ± 1278	2128 ± 1058
CD8a + CD31	33 ± 32	57 ± 64	22 ± 20	94 ± 87	45 ± 38
CD8a + CD4	2131 ± 673	276 ± 312	2147 ± 1177	1204 ± 495	1200 ± 689
CD8a + CD44	2732 ± 790	888 ± 258	4878 ± 2121	3334 ± 1026	2356 ± 930
CD8a + CD45	4196 ± 904	351 ± 211	4715 ± 2278	1982 ± 764	1501 ± 1062
CD8a + CD45RA	943 ± 379	168 ± 133	944 ± 309	737 ± 447	634 ± 230
CD8a + CD45RO	2065 ± 843	100 ± 53	2683 ± 2376	963 ± 503	388 ± 506
CD8a + CD52	3400 ± 941	175 ± 132	3480 ± 2870	1381 ± 218	995 ± 1016
CD8a + CD54	2927 ± 1146	480 ± 351	1973 ± 1992	1076 ± 478	1390 ± 1155
CD8a + CD56	118 ± 117	19 ± 24	48 ± 38	43 ± 36	48 ± 28
CD8a + CD58	546 ± 880	87 ± 181	56 ± 26	118 ± 73	238 ± 275
CD8a + CD62E	12 ± 11	6 ± 8	15 ± 11	6 ± 9	1 ± 2
CD8a + CD62P	35 ± 59	18 ± 22	12 ± 18	30 ± 30	6 ± 6
CD8a + CD68	141 ± 77	26 ± 14	350 ± 237	137 ± 44	127 ± 119
CD8a + CD7	2327 ± 956	358 ± 324	3872 ± 2298	1783 ± 690	1309 ± 1027
CD8a + CK14	485 ± 468	10 ± 23	245 ± 67	173 ± 175	109 ± 117
CD8a + CLA	1132 ± 510	360 ± 218	1329 ± 683	1316 ± 430	961 ± 236
CD8a + c-myc	182 ± 92	22 ± 31	79 ± 112	77 ± 103	49 ± 84
CD8a + Collagen IV	315 ± 345	236 ± 163	665 ± 208	823 ± 526	383 ± 159
CD8a + FXIIIA	77 ± 50	39 ± 15	195 ± 165	171 ± 86	117 ± 88
CD8a + HLA-DR	2948 ± 1396	853 ± 224	3556 ± 2152	2690 ± 1589	2341 ± 701
CD8a + IL-22R	42 ± 52	0 ± 0	2 ± 2	22 ± 26	8 ± 8
CD8a + IL-23R	34 ± 60	3 ± 7	0 ± 1	25 ± 12	2 ± 3
CD8a + Ki67	16 ± 18	0 ± 1	4 ± 3	15 ± 24	4 ± 4
CD8a + PI	3924 ± 1126	555 ± 208	4290 ± 2162	2820 ± 965	2024 ± 1075
CD8a + Podoplanin	191 ± 131	160 ± 270	115 ± 60	63 ± 90	42 ± 33
CD8a + SNA1	796 ± 874	370 ± 65	599 ± 314	575 ± 115	455 ± 129
CD8a + STAT3	78 ± 73	7 ± 16	3 ± 5	31 ± 34	5 ± 7
CD8a + TIA1	849 ± 279	125 ± 89	802 ± 492	842 ± 162	398 ± 340
CD8a + Vimentin	1410 ± 562	336 ± 161	1475 ± 427	1140 ± 210	530 ± 174

Tabelle 78: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	69 ± 128	190 ± 292	42 ± 80	7 ± 14	22 ± 33
CK14 + BCL2	12081 ± 11310	2678 ± 4255	4282 ± 2867	1019 ± 684	4690 ± 3997
CK14 + CCR6	570 ± 292	536 ± 277	397 ± 228	1066 ± 804	121 ± 109
CK14 + CD11a	672 ± 991	3 ± 3	825 ± 540	84 ± 70	196 ± 244
CK14 + CD11b	202 ± 189	2 ± 2	26 ± 25	62 ± 42	78 ± 73
CK14 + CD120a	211 ± 99	336 ± 292	267 ± 163	971 ± 1121	411 ± 171
CK14 + CD120b	70 ± 90	18 ± 29	41 ± 43	20 ± 22	9 ± 12
CK14 + CD138	95574 ± 58792	12816 ± 3344	51447 ± 13318	29032 ± 6814	18512 ± 7846
CK14 + CD15	125 ± 92	79 ± 135	10 ± 12	183 ± 240	81 ± 51
CK14 + CD1a	916 ± 404	989 ± 610	1765 ± 1135	1773 ± 1123	732 ± 343
CK14 + CD2	1221 ± 1313	3 ± 3	894 ± 629	329 ± 152	358 ± 188
CK14 + CD207	1194 ± 658	1566 ± 880	1581 ± 1132	1460 ± 210	1209 ± 310
CK14 + CD24	71 ± 84	4 ± 10	22 ± 18	17 ± 31	9 ± 11
CK14 + CD28	269 ± 365	8 ± 11	112 ± 129	30 ± 51	41 ± 56
CK14 + CD29	28182 ± 22081	5679 ± 3188	11777 ± 7649	9022 ± 2870	9906 ± 9539
CK14 + CD3	924 ± 1178	20 ± 29	688 ± 630	176 ± 117	128 ± 144
CK14 + CD31	14 ± 23	88 ± 213	27 ± 48	14 ± 14	11 ± 12
CK14 + CD4	109 ± 191	4 ± 5	84 ± 87	35 ± 39	99 ± 101
CK14 + CD44	38093 ± 31275	6367 ± 5099	39475 ± 7835	20596 ± 10082	9351 ± 3336
CK14 + CD45	723 ± 657	15 ± 13	682 ± 332	275 ± 408	101 ± 148
CK14 + CD45RA	181 ± 163	13 ± 27	121 ± 171	24 ± 12	72 ± 64
CK14 + CD45RO	456 ± 594	13 ± 16	413 ± 305	71 ± 73	23 ± 44
CK14 + CD52	190 ± 187	25 ± 40	52 ± 75	19 ± 13	15 ± 14
CK14 + CD54	2091 ± 3295	15 ± 27	472 ± 655	10 ± 7	18 ± 23
CK14 + CD56	107 ± 116	352 ± 377	77 ± 122	15 ± 24	77 ± 68
CK14 + CD58	27797 ± 41588	2691 ± 3315	8388 ± 7801	2564 ± 1958	6032 ± 6433
CK14 + CD62E	39 ± 71	3 ± 7	4 ± 6	6 ± 7	12 ± 17
CK14 + CD62P	37 ± 47	8 ± 10	3 ± 5	0 ± 0	24 ± 36
CK14 + CD68	890 ± 663	1984 ± 733	677 ± 270	3077 ± 738	2982 ± 2736
CK14 + CD7	618 ± 881	4 ± 4	1396 ± 500	129 ± 61	60 ± 52
CK14 + CD8a	485 ± 468	10 ± 23	245 ± 67	173 ± 175	109 ± 117
CK14 + CLA	927 ± 408	69 ± 89	837 ± 615	639 ± 777	530 ± 587
CK14 + c-myc	23091 ± 8057	9881 ± 1761	8928 ± 3913	9809 ± 1952	10656 ± 6002
CK14 + Collagen IV	3625 ± 4271	1736 ± 776	5198 ± 631	3552 ± 1393	2420 ± 1453
CK14 + FXIIIA	83 ± 123	54 ± 79	58 ± 73	99 ± 163	86 ± 93
CK14 + HLA-DR	24080 ± 25614	4381 ± 3565	7417 ± 4670	9883 ± 14784	4166 ± 1133
CK14 + IL-22R	13067 ± 6851	2747 ± 2485	3524 ± 3945	7374 ± 3141	8362 ± 5803
CK14 + IL-23R	5274 ± 6010	2570 ± 6222	829 ± 712	4099 ± 1687	2517 ± 2113
CK14 + Ki67	6615 ± 1854	1044 ± 813	4615 ± 4479	3717 ± 2169	1674 ± 765
CK14 + PI	33760 ± 5520	11655 ± 1924	27086 ± 7530	20614 ± 7520	18169 ± 7146
CK14 + Podoplanin	10615 ± 12032	789 ± 972	829 ± 1130	35 ± 35	63 ± 73
CK14 + SNA1	17076 ± 21047	2303 ± 1618	6250 ± 2971	3493 ± 1276	3122 ± 1246
CK14 + STAT3	23509 ± 16354	7528 ± 4292	2565 ± 2787	9599 ± 2217	8932 ± 6789
CK14 + TIA1	156 ± 130	51 ± 91	107 ± 59	43 ± 45	32 ± 34
CK14 + Vimentin	8573 ± 3948	2531 ± 953	6433 ± 2239	6450 ± 1439	2909 ± 748

Tabelle 79: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	97 ± 86	32 ± 50	48 ± 16	111 ± 107	20 ± 28
CLA + BCL2	761 ± 589	111 ± 101	756 ± 579	165 ± 72	242 ± 141
CLA + CCR6	482 ± 607	46 ± 63	470 ± 550	441 ± 325	139 ± 92
CLA + CD11a	4670 ± 2408	349 ± 277	4461 ± 2260	1262 ± 190	1334 ± 152
CLA + CD11b	1224 ± 614	151 ± 138	490 ± 624	1337 ± 258	705 ± 182
CLA + CD120a	99 ± 58	5 ± 11	128 ± 87	140 ± 244	71 ± 90
CLA + CD120b	737 ± 836	47 ± 45	459 ± 159	180 ± 88	44 ± 31
CLA + CD138	791 ± 223	52 ± 84	427 ± 233	550 ± 810	275 ± 474
CLA + CD15	692 ± 758	39 ± 35	324 ± 593	80 ± 12	33 ± 31
CLA + CD1a	329 ± 332	65 ± 101	340 ± 292	301 ± 537	136 ± 170
CLA + CD2	4353 ± 2240	338 ± 309	3092 ± 888	2242 ± 890	1413 ± 365
CLA + CD207	817 ± 655	70 ± 90	785 ± 304	427 ± 532	233 ± 234
CLA + CD24	327 ± 331	44 ± 42	355 ± 477	135 ± 52	60 ± 36
CLA + CD28	3057 ± 1972	42 ± 76	1760 ± 1601	603 ± 188	495 ± 177
CLA + CD29	1076 ± 270	141 ± 77	711 ± 630	640 ± 699	473 ± 434
CLA + CD3	4340 ± 2950	470 ± 322	3674 ± 2007	2193 ± 573	1273 ± 231
CLA + CD31	39 ± 44	16 ± 12	35 ± 36	81 ± 102	26 ± 23
CLA + CD4	3250 ± 1440	149 ± 100	2775 ± 1000	1275 ± 496	1011 ± 367
CLA + CD44	3768 ± 1574	580 ± 270	5486 ± 2209	3284 ± 1090	1939 ± 477
CLA + CD45	4668 ± 2865	161 ± 96	3845 ± 1855	1422 ± 550	836 ± 198
CLA + CD45RA	2125 ± 588	175 ± 130	1666 ± 229	762 ± 147	477 ± 189
CLA + CD45RO	2316 ± 1365	65 ± 64	2598 ± 1923	692 ± 308	230 ± 140
CLA + CD52	3467 ± 2325	138 ± 129	2669 ± 2616	1048 ± 285	528 ± 414
CLA + CD54	4827 ± 2784	238 ± 180	2567 ± 2213	918 ± 768	775 ± 490
CLA + CD56	124 ± 25	21 ± 12	109 ± 62	65 ± 37	48 ± 32
CLA + CD58	269 ± 246	81 ± 116	184 ± 111	238 ± 351	334 ± 329
CLA + CD62E	53 ± 62	0 ± 1	55 ± 102	1 ± 2	1 ± 2
CLA + CD62P	58 ± 78	3 ± 5	23 ± 40	6 ± 8	2 ± 2
CLA + CD68	566 ± 347	52 ± 64	815 ± 259	382 ± 256	360 ± 379
CLA + CD7	2030 ± 1125	162 ± 137	3170 ± 2078	1149 ± 404	662 ± 215
CLA + CD8a	1132 ± 510	360 ± 218	1329 ± 683	1316 ± 430	961 ± 236
CLA + CK14	927 ± 408	69 ± 89	837 ± 615	639 ± 777	530 ± 587
CLA + c-myc	321 ± 150	68 ± 87	109 ± 119	119 ± 171	156 ± 203
CLA + Collagen IV	374 ± 312	116 ± 56	749 ± 352	610 ± 546	228 ± 131
CLA + FXIIIA	202 ± 92	31 ± 20	438 ± 479	268 ± 192	122 ± 59
CLA + HLA-DR	5332 ± 1757	600 ± 419	4997 ± 2448	2585 ± 1170	1901 ± 494
CLA + IL-22R	113 ± 57	32 ± 64	33 ± 16	296 ± 558	205 ± 311
CLA + IL-23R	84 ± 88	3 ± 6	10 ± 10	240 ± 405	47 ± 91
CLA + Ki67	53 ± 43	1 ± 2	33 ± 40	58 ± 61	18 ± 18
CLA + PI	4652 ± 1761	328 ± 166	4019 ± 2102	2347 ± 695	1509 ± 401
CLA + Podoplanin	222 ± 131	70 ± 94	219 ± 274	106 ± 22	68 ± 76
CLA + SNA1	1271 ± 1037	230 ± 131	935 ± 651	445 ± 168	329 ± 120
CLA + STAT3	184 ± 165	47 ± 80	20 ± 24	255 ± 477	188 ± 390
CLA + TIA1	608 ± 455	33 ± 23	451 ± 336	439 ± 227	159 ± 135
CLA + Vimentin	3143 ± 1167	322 ± 176	2978 ± 1117	2144 ± 1399	932 ± 490

Tabelle 80: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	4474 ± 5844	754 ± 1097	2752 ± 4272	75 ± 136	214 ± 425
c-myc + BCL2	4806 ± 4164	3087 ± 5840	1644 ± 1596	273 ± 239	3163 ± 4416
c-myc + CCR6	408 ± 264	772 ± 444	265 ± 275	618 ± 629	131 ± 104
c-myc + CD11a	629 ± 385	15 ± 15	329 ± 327	20 ± 23	64 ± 113
c-myc + CD11b	422 ± 163	48 ± 28	178 ± 316	111 ± 102	153 ± 162
c-myc + CD120a	52 ± 29	168 ± 169	26 ± 14	58 ± 42	109 ± 43
c-myc + CD120b	134 ± 79	21 ± 27	27 ± 43	13 ± 15	7 ± 11
c-myc + CD138	13063 ± 5712	9925 ± 2829	1804 ± 1404	6362 ± 2641	7551 ± 4076
c-myc + CD15	232 ± 117	65 ± 83	40 ± 46	122 ± 133	53 ± 42
c-myc + CD1a	152 ± 87	968 ± 634	36 ± 35	601 ± 484	345 ± 218
c-myc + CD2	658 ± 221	54 ± 96	128 ± 90	86 ± 127	78 ± 71
c-myc + CD207	175 ± 101	1323 ± 987	44 ± 55	299 ± 175	479 ± 328
c-myc + CD24	127 ± 106	20 ± 29	78 ± 134	9 ± 11	10 ± 13
c-myc + CD28	474 ± 302	7 ± 9	71 ± 79	18 ± 35	18 ± 31
c-myc + CD29	12756 ± 4027	3516 ± 1808	4951 ± 6364	1370 ± 696	3460 ± 3210
c-myc + CD3	817 ± 567	171 ± 186	245 ± 260	74 ± 82	41 ± 68
c-myc + CD31	3922 ± 4649	613 ± 744	2258 ± 3263	62 ± 105	71 ± 141
c-myc + CD4	1049 ± 1642	113 ± 140	264 ± 418	20 ± 27	53 ± 74
c-myc + CD44	5931 ± 3376	4130 ± 1412	1824 ± 792	3657 ± 1932	3982 ± 3851
c-myc + CD45	577 ± 222	16 ± 12	216 ± 218	33 ± 40	38 ± 64
c-myc + CD45RA	294 ± 254	109 ± 116	183 ± 211	47 ± 18	87 ± 108
c-myc + CD45RO	317 ± 333	76 ± 117	275 ± 306	17 ± 19	51 ± 94
c-myc + CD52	656 ± 648	31 ± 46	250 ± 332	8 ± 8	7 ± 6
c-myc + CD54	6496 ± 6475	836 ± 1129	2696 ± 4072	62 ± 106	284 ± 578
c-myc + CD56	456 ± 755	434 ± 547	286 ± 325	55 ± 59	101 ± 126
c-myc + CD58	4310 ± 4975	2883 ± 3707	909 ± 1041	1071 ± 840	3977 ± 3203
c-myc + CD62E	1067 ± 1583	26 ± 38	1523 ± 2385	38 ± 68	13 ± 16
c-myc + CD62P	2146 ± 2972	409 ± 527	1459 ± 2058	53 ± 105	56 ± 113
c-myc + CD68	1816 ± 2374	1154 ± 615	1135 ± 1257	465 ± 253	804 ± 794
c-myc + CD7	434 ± 338	29 ± 29	281 ± 196	36 ± 28	25 ± 35
c-myc + CD8a	182 ± 92	22 ± 31	79 ± 112	77 ± 103	49 ± 84
c-myc + CK14	23091 ± 8057	9881 ± 1761	8928 ± 3913	9809 ± 1952	10656 ± 6002
c-myc + CLA	321 ± 150	68 ± 87	109 ± 119	119 ± 171	156 ± 203
c-myc + Collagen IV	9367 ± 5236	2479 ± 1533	8005 ± 7160	3704 ± 2210	2729 ± 1254
c-myc + FXIIIA	409 ± 287	369 ± 330	835 ± 1059	133 ± 94	168 ± 61
c-myc + HLA-DR	7520 ± 2684	2944 ± 1795	2277 ± 1931	1681 ± 1686	1781 ± 1648
c-myc + IL-22R	4396 ± 3792	2960 ± 3113	474 ± 773	3480 ± 1602	4851 ± 3914
c-myc + IL-23R	3358 ± 2608	1507 ± 3338	843 ± 710	2855 ± 751	2682 ± 2064
c-myc + Ki67	1159 ± 1284	203 ± 245	108 ± 129	190 ± 335	114 ± 184
c-myc + PI	8566 ± 3160	4640 ± 2113	2763 ± 2434	1393 ± 930	2405 ± 2230
c-myc + Podoplanin	2203 ± 1805	570 ± 681	236 ± 259	30 ± 18	116 ± 168
c-myc + SNA1	18559 ± 8543	3542 ± 2262	8734 ± 9815	3470 ± 1976	3420 ± 1707
c-myc + STAT3	9761 ± 2514	8080 ± 4637	2153 ± 2277	5124 ± 2779	5669 ± 3510
c-myc + TIA1	219 ± 172	126 ± 149	120 ± 88	55 ± 47	58 ± 77
c-myc + Vimentin	6013 ± 3713	1706 ± 1393	2791 ± 3090	1268 ± 627	941 ± 854

Tabelle 81: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	5384 ± 2282	2419 ± 974	7647 ± 1304	7917 ± 3346	4652 ± 3486
Collagen IV + BCL2	540 ± 496	109 ± 82	1155 ± 1425	162 ± 144	314 ± 214
Collagen IV + CCR6	56 ± 32	13 ± 15	135 ± 181	270 ± 255	25 ± 20
Collagen IV + CD11a	1199 ± 1332	237 ± 202	2673 ± 1706	669 ± 362	842 ± 1107
Collagen IV + CD11b	640 ± 729	489 ± 572	405 ± 458	3218 ± 1584	1711 ± 1713
Collagen IV + CD120a	132 ± 205	8 ± 8	42 ± 39	55 ± 25	37 ± 40
Collagen IV + CD120b	349 ± 318	136 ± 54	381 ± 61	608 ± 222	220 ± 234
Collagen IV + CD138	1298 ± 2350	154 ± 138	550 ± 449	285 ± 168	117 ± 136
Collagen IV + CD15	353 ± 329	73 ± 63	106 ± 155	369 ± 237	58 ± 41
Collagen IV + CD1a	26 ± 27	73 ± 172	31 ± 47	2 ± 2	9 ± 20
Collagen IV + CD2	1186 ± 624	224 ± 149	1340 ± 596	2328 ± 2411	777 ± 523
Collagen IV + CD207	23 ± 15	41 ± 84	106 ± 65	26 ± 31	11 ± 20
Collagen IV + CD24	257 ± 208	275 ± 238	548 ± 229	838 ± 38	409 ± 548
Collagen IV + CD28	1250 ± 617	55 ± 84	955 ± 947	774 ± 574	797 ± 1112
Collagen IV + CD29	11751 ± 6529	4331 ± 1779	13177 ± 3901	11842 ± 5208	9028 ± 4619
Collagen IV + CD3	1469 ± 832	1067 ± 418	2718 ± 1349	3510 ± 2129	1424 ± 1246
Collagen IV + CD31	4510 ± 2188	1960 ± 1203	5817 ± 2333	6926 ± 2558	4451 ± 3094
Collagen IV + CD4	2556 ± 1818	970 ± 1007	2227 ± 926	4176 ± 4055	3206 ± 2684
Collagen IV + CD44	4174 ± 3346	3460 ± 1815	9632 ± 3518	12108 ± 4553	5057 ± 2268
Collagen IV + CD45	926 ± 255	117 ± 77	1873 ± 833	991 ± 683	341 ± 248
Collagen IV + CD45RA	427 ± 396	171 ± 137	537 ± 18	576 ± 470	284 ± 171
Collagen IV + CD45RO	441 ± 526	40 ± 24	1113 ± 851	407 ± 93	90 ± 94
Collagen IV + CD52	1454 ± 935	82 ± 91	2146 ± 2752	887 ± 963	647 ± 1010
Collagen IV + CD54	10001 ± 3342	3090 ± 1614	9465 ± 3215	8043 ± 4014	7705 ± 5448
Collagen IV + CD56	1226 ± 952	1227 ± 504	1481 ± 200	2487 ± 1202	1398 ± 908
Collagen IV + CD58	2796 ± 3962	780 ± 1334	910 ± 369	981 ± 944	1598 ± 1705
Collagen IV + CD62E	1027 ± 732	75 ± 121	1923 ± 1735	436 ± 507	244 ± 237
Collagen IV + CD62P	1366 ± 863	475 ± 307	2707 ± 1341	2489 ± 747	1318 ± 939
Collagen IV + CD68	1837 ± 1673	1870 ± 727	2819 ± 866	3058 ± 1287	2749 ± 1897
Collagen IV + CD7	588 ± 346	247 ± 250	2248 ± 1179	888 ± 348	715 ± 970
Collagen IV + CD8a	315 ± 345	236 ± 163	665 ± 208	823 ± 526	383 ± 159
Collagen IV + CK14	3625 ± 4271	1736 ± 776	5198 ± 631	3552 ± 1393	2420 ± 1453
Collagen IV + CLA	374 ± 312	116 ± 56	749 ± 352	610 ± 546	228 ± 131
Collagen IV + c-myc	9367 ± 5236	2479 ± 1533	8005 ± 7160	3704 ± 2210	2729 ± 1254
Collagen IV + FXIIIA	178 ± 154	310 ± 266	1161 ± 1345	1605 ± 962	1504 ± 1937
Collagen IV + HLA-DR	8490 ± 6434	4246 ± 1603	10046 ± 4182	12335 ± 7703	8587 ± 3996
Collagen IV + IL-22R	43 ± 84	7 ± 14	6 ± 12	40 ± 45	19 ± 22
Collagen IV + IL-23R	211 ± 336	182 ± 445	13 ± 26	260 ± 282	24 ± 42
Collagen IV + Ki67	115 ± 164	19 ± 39	87 ± 69	57 ± 40	13 ± 11
Collagen IV + PI	6192 ± 3462	2781 ± 777	9421 ± 3018	10225 ± 4848	6420 ± 4101
Collagen IV + Podoplanin	1683 ± 1355	1535 ± 1007	1429 ± 449	2085 ± 1146	1606 ± 721
Collagen IV + SNA1	19711 ± 15520	8469 ± 3042	23293 ± 5248	17844 ± 4555	13262 ± 5198
Collagen IV + STAT3	83 ± 102	145 ± 183	15 ± 19	5 ± 9	44 ± 91
Collagen IV + TIA1	321 ± 458	111 ± 83	414 ± 114	434 ± 364	120 ± 97
Collagen IV + Vimentin	6524 ± 5012	3254 ± 2374	9096 ± 4054	9364 ± 2953	3379 ± 1180

Tabelle 82: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	373 ± 375	147 ± 132	527 ± 859	457 ± 331	627 ± 912
FXIIIA + BCL2	288 ± 426	66 ± 60	839 ± 1195	97 ± 83	264 ± 194
FXIIIA + CCR6	378 ± 390	201 ± 192	500 ± 587	446 ± 221	195 ± 83
FXIIIA + CD11a	224 ± 27	62 ± 23	755 ± 539	212 ± 121	334 ± 389
FXIIIA + CD11b	1393 ± 979	1093 ± 857	1004 ± 564	4652 ± 695	4051 ± 2830
FXIIIA + CD120a	11 ± 6	8 ± 8	15 ± 10	11 ± 16	10 ± 12
FXIIIA + CD120b	50 ± 56	16 ± 17	50 ± 38	47 ± 6	26 ± 14
FXIIIA + CD138	150 ± 260	130 ± 161	131 ± 178	37 ± 27	127 ± 134
FXIIIA + CD15	224 ± 226	22 ± 21	358 ± 640	55 ± 36	47 ± 32
FXIIIA + CD1a	5 ± 6	16 ± 30	1 ± 2	0 ± 0	2 ± 6
FXIIIA + CD2	247 ± 124	77 ± 68	620 ± 465	757 ± 552	400 ± 283
FXIIIA + CD207	32 ± 37	10 ± 18	26 ± 26	15 ± 22	5 ± 9
FXIIIA + CD24	72 ± 83	34 ± 34	319 ± 551	76 ± 41	57 ± 62
FXIIIA + CD28	205 ± 129	10 ± 11	250 ± 203	208 ± 124	239 ± 275
FXIIIA + CD29	525 ± 325	331 ± 200	1119 ± 1309	878 ± 538	1402 ± 1589
FXIIIA + CD3	321 ± 127	177 ± 104	762 ± 562	765 ± 282	351 ± 293
FXIIIA + CD31	52 ± 46	64 ± 64	483 ± 885	452 ± 361	649 ± 1031
FXIIIA + CD4	350 ± 185	281 ± 334	574 ± 383	974 ± 635	1345 ± 1228
FXIIIA + CD44	1162 ± 670	1603 ± 900	4748 ± 689	4619 ± 1627	2902 ± 1717
FXIIIA + CD45	436 ± 210	50 ± 38	759 ± 625	517 ± 690	192 ± 126
FXIIIA + CD45RA	189 ± 247	227 ± 126	388 ± 384	311 ± 113	369 ± 161
FXIIIA + CD45RO	332 ± 338	134 ± 136	958 ± 985	302 ± 220	168 ± 120
FXIIIA + CD52	321 ± 177	33 ± 25	652 ± 746	241 ± 157	218 ± 247
FXIIIA + CD54	1270 ± 711	395 ± 401	1203 ± 977	925 ± 713	1632 ± 1655
FXIIIA + CD56	351 ± 319	589 ± 144	715 ± 440	662 ± 393	712 ± 373
FXIIIA + CD58	89 ± 138	67 ± 92	80 ± 120	29 ± 33	387 ± 679
FXIIIA + CD62E	24 ± 27	1 ± 1	353 ± 696	40 ± 64	84 ± 181
FXIIIA + CD62P	37 ± 19	11 ± 11	329 ± 642	139 ± 161	208 ± 311
FXIIIA + CD68	1104 ± 594	434 ± 260	2745 ± 1591	1428 ± 306	1896 ± 1296
FXIIIA + CD7	111 ± 113	38 ± 35	401 ± 232	273 ± 74	205 ± 284
FXIIIA + CD8a	77 ± 50	39 ± 15	195 ± 165	171 ± 86	117 ± 88
FXIIIA + CK14	83 ± 123	54 ± 79	58 ± 73	99 ± 163	86 ± 93
FXIIIA + CLA	202 ± 92	31 ± 20	438 ± 479	268 ± 192	122 ± 59
FXIIIA + c-myc	409 ± 287	369 ± 330	835 ± 1059	133 ± 94	168 ± 61
FXIIIA + Collagen IV	178 ± 154	310 ± 266	1161 ± 1345	1605 ± 962	1504 ± 1937
FXIIIA + HLA-DR	3415 ± 1625	3713 ± 1745	7079 ± 1677	6130 ± 2257	6803 ± 4004
FXIIIA + IL-22R	1 ± 1	5 ± 8	1 ± 1	27 ± 35	7 ± 4
FXIIIA + IL-23R	151 ± 136	238 ± 492	59 ± 89	231 ± 43	98 ± 76
FXIIIA + Ki67	5 ± 9	0 ± 1	15 ± 24	39 ± 59	13 ± 25
FXIIIA + PI	1896 ± 732	1097 ± 551	3988 ± 1863	3086 ± 1234	3139 ± 2264
FXIIIA + Podoplanin	197 ± 274	529 ± 283	203 ± 250	190 ± 111	273 ± 120
FXIIIA + SNA1	976 ± 836	2607 ± 1015	3090 ± 1952	2416 ± 447	3132 ± 1994
FXIIIA + STAT3	252 ± 406	261 ± 308	263 ± 329	70 ± 51	138 ± 161
FXIIIA + TIA1	208 ± 191	81 ± 94	321 ± 448	124 ± 73	107 ± 59
FXIIIA + Vimentin	2426 ± 1149	2035 ± 676	5832 ± 1767	4747 ± 462	3218 ± 1455

Tabelle 83: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	3970 ± 1596	2005 ± 745	2937 ± 809	4489 ± 3695	3637 ± 2180
HLA-DR + BCL2	4395 ± 3262	562 ± 851	2191 ± 1899	439 ± 322	1116 ± 338
HLA-DR + CCR6	1881 ± 1488	403 ± 316	1645 ± 1909	1745 ± 867	526 ± 192
HLA-DR + CD11a	15568 ± 7819	1641 ± 887	14528 ± 9335	3813 ± 2736	5152 ± 2723
HLA-DR + CD11b	5528 ± 2652	2865 ± 1715	2047 ± 1312	12971 ± 5164	10194 ± 3707
HLA-DR + CD120a	753 ± 853	249 ± 285	315 ± 107	491 ± 229	335 ± 54
HLA-DR + CD120b	4490 ± 1991	1124 ± 769	2072 ± 631	2569 ± 1602	1326 ± 1106
HLA-DR + CD138	21071 ± 24139	2873 ± 2205	4556 ± 2726	7421 ± 10454	2323 ± 585
HLA-DR + CD15	1686 ± 811	353 ± 419	572 ± 875	879 ± 666	357 ± 163
HLA-DR + CD1a	898 ± 538	1409 ± 2309	909 ± 722	1042 ± 496	507 ± 134
HLA-DR + CD2	11137 ± 5827	1189 ± 648	7402 ± 2808	5667 ± 1390	4356 ± 2821
HLA-DR + CD207	1455 ± 741	1376 ± 1381	1701 ± 850	1464 ± 545	1030 ± 235
HLA-DR + CD24	2574 ± 2629	1230 ± 715	2425 ± 864	3053 ± 2226	2112 ± 1858
HLA-DR + CD28	10307 ± 4878	448 ± 918	5639 ± 5661	2705 ± 2277	3032 ± 2487
HLA-DR + CD29	20749 ± 10479	5254 ± 1774	9108 ± 4644	9621 ± 6353	10475 ± 3560
HLA-DR + CD3	14807 ± 8460	3695 ± 1594	12412 ± 7897	8948 ± 6020	5782 ± 2625
HLA-DR + CD31	4117 ± 1229	1769 ± 893	3248 ± 1267	4341 ± 3236	4639 ± 3261
HLA-DR + CD4	11626 ± 4213	2276 ± 1272	8740 ± 2019	7589 ± 5342	8464 ± 4606
HLA-DR + CD44	41351 ± 17406	15645 ± 7556	39746 ± 11403	37262 ± 25451	24605 ± 4099
HLA-DR + CD45	15756 ± 6913	969 ± 667	12208 ± 6949	4522 ± 1864	3350 ± 2050
HLA-DR + CD45RA	5202 ± 1907	743 ± 244	3190 ± 1036	2294 ± 1098	2261 ± 110
HLA-DR + CD45RO	6401 ± 3080	447 ± 334	7490 ± 6502	2483 ± 1243	1049 ± 1014
HLA-DR + CD52	11164 ± 7433	570 ± 772	9194 ± 10312	2946 ± 1401	2676 ± 3041
HLA-DR + CD54	33737 ± 6881	6336 ± 4736	13671 ± 7591	8955 ± 5231	13733 ± 10026
HLA-DR + CD56	1298 ± 471	923 ± 114	1249 ± 266	1511 ± 1075	1284 ± 456
HLA-DR + CD58	12234 ± 19971	2063 ± 3655	1482 ± 1143	1720 ± 1347	3176 ± 1335
HLA-DR + CD62E	1282 ± 709	101 ± 124	1574 ± 1256	378 ± 297	425 ± 316
HLA-DR + CD62P	2224 ± 1876	781 ± 405	2381 ± 539	2240 ± 1522	2350 ± 1557
HLA-DR + CD68	4931 ± 1483	2060 ± 629	5490 ± 2141	3353 ± 2240	4286 ± 2074
HLA-DR + CD7	5873 ± 1184	827 ± 567	9377 ± 6707	3027 ± 1004	2853 ± 2209
HLA-DR + CD8a	2948 ± 1396	853 ± 224	3556 ± 2152	2690 ± 1589	2341 ± 701
HLA-DR + CK14	24080 ± 25614	4381 ± 3565	7417 ± 4670	9883 ± 14784	4166 ± 1133
HLA-DR + CLA	5332 ± 1757	600 ± 419	4997 ± 2448	2585 ± 1170	1901 ± 494
HLA-DR + c-myc	7520 ± 2684	2944 ± 1795	2277 ± 1931	1681 ± 1686	1781 ± 1648
HLA-DR + Collagen IV	8490 ± 6434	4246 ± 1603	10046 ± 4182	12335 ± 7703	8587 ± 3996
HLA-DR + FXIIIA	3415 ± 1625	3713 ± 1745	7079 ± 1677	6130 ± 2257	6803 ± 4004
HLA-DR + IL-22R	2542 ± 1775	737 ± 777	290 ± 212	1971 ± 1852	1573 ± 963
HLA-DR + IL-23R	1632 ± 2647	1099 ± 2597	81 ± 131	2115 ± 2449	416 ± 332
HLA-DR + Ki67	720 ± 707	133 ± 103	266 ± 289	476 ± 484	122 ± 66
HLA-DR + PI	28685 ± 5337	7080 ± 2198	22242 ± 10642	21019 ± 17536	16341 ± 5682
HLA-DR + Podoplanin	6717 ± 7365	1378 ± 1303	1278 ± 830	1153 ± 453	1543 ± 995
HLA-DR + SNA1	23247 ± 21218	9798 ± 5293	12114 ± 2865	10027 ± 5051	11787 ± 4284
HLA-DR + STAT3	4379 ± 5062	1409 ± 984	262 ± 222	2711 ± 3263	1255 ± 529
HLA-DR + TIA1	1746 ± 1116	278 ± 152	1264 ± 1017	953 ± 153	640 ± 340
HLA-DR + Vimentin	24290 ± 4711	9006 ± 4338	20981 ± 4376	17978 ± 8336	10921 ± 2640

Tabelle 84: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4 ± 4
IL-22R + BCL2	597 ± 347	1389 ± 3207	108 ± 110	125 ± 125	2225 ± 3243
IL-22R + CCR6	128 ± 177	343 ± 394	16 ± 16	581 ± 446	32 ± 31
IL-22R + CD11a	61 ± 90	1 ± 3	8 ± 8	12 ± 12	55 ± 106
IL-22R + CD11b	5 ± 7	0 ± 0	1 ± 1	2 ± 2	5 ± 6
IL-22R + CD120a	83 ± 54	168 ± 207	54 ± 20	527 ± 589	206 ± 107
IL-22R + CD120b	5 ± 7	17 ± 31	5 ± 6	1 ± 1	5 ± 8
IL-22R + CD138	11730 ± 6475	2880 ± 2633	2574 ± 3383	7361 ± 3333	6860 ± 4570
IL-22R + CD15	12 ± 15	28 ± 43	0 ± 0	53 ± 84	38 ± 45
IL-22R + CD1a	205 ± 48	454 ± 442	77 ± 42	1057 ± 1019	416 ± 286
IL-22R + CD2	98 ± 106	1 ± 3	9 ± 11	67 ± 67	63 ± 95
IL-22R + CD207	306 ± 179	621 ± 669	105 ± 61	642 ± 306	662 ± 428
IL-22R + CD24	10 ± 16	0 ± 0	2 ± 3	0 ± 0	2 ± 3
IL-22R + CD28	32 ± 37	8 ± 13	5 ± 6	3 ± 3	16 ± 30
IL-22R + CD29	897 ± 669	685 ± 998	231 ± 423	803 ± 850	2962 ± 3455
IL-22R + CD3	64 ± 93	3 ± 6	24 ± 37	24 ± 13	32 ± 61
IL-22R + CD31	0 ± 0	1 ± 2	0 ± 0	0 ± 0	10 ± 15
IL-22R + CD4	15 ± 28	2 ± 4	4 ± 4	9 ± 7	30 ± 37
IL-22R + CD44	3011 ± 1712	1189 ± 766	1514 ± 2211	3963 ± 787	3782 ± 2740
IL-22R + CD45	95 ± 103	8 ± 14	19 ± 10	111 ± 134	53 ± 77
IL-22R + CD45RA	7 ± 12	0 ± 0	2 ± 4	1 ± 1	2 ± 2
IL-22R + CD45RO	40 ± 60	4 ± 6	11 ± 8	16 ± 15	3 ± 4
IL-22R + CD52	60 ± 78	21 ± 46	1 ± 2	8 ± 8	4 ± 3
IL-22R + CD54	82 ± 131	4 ± 6	12 ± 9	1 ± 1	12 ± 19
IL-22R + CD56	1 ± 1	1 ± 1	1 ± 2	0 ± 1	3 ± 4
IL-22R + CD58	2871 ± 3061	1285 ± 2208	338 ± 156	1474 ± 1734	3566 ± 3734
IL-22R + CD62E	1 ± 1	2 ± 3	1 ± 1	6 ± 7	5 ± 7
IL-22R + CD62P	1 ± 1	1 ± 2	0 ± 0	0 ± 0	6 ± 9
IL-22R + CD68	58 ± 90	118 ± 169	12 ± 6	253 ± 193	376 ± 440
IL-22R + CD7	40 ± 75	0 ± 0	16 ± 14	15 ± 22	10 ± 11
IL-22R + CD8a	42 ± 52	0 ± 0	2 ± 2	22 ± 26	8 ± 8
IL-22R + CK14	13067 ± 6851	2747 ± 2485	3524 ± 3945	7374 ± 3141	8362 ± 5803
IL-22R + CLA	113 ± 57	32 ± 64	33 ± 16	296 ± 558	205 ± 311
IL-22R + c-myc	4396 ± 3792	2960 ± 3113	474 ± 773	3480 ± 1602	4851 ± 3914
IL-22R + Collagen IV	43 ± 84	7 ± 14	6 ± 12	40 ± 45	19 ± 22
IL-22R + FXIIIA	1 ± 1	5 ± 8	1 ± 1	27 ± 35	7 ± 4
IL-22R + HLA-DR	2542 ± 1775	737 ± 777	290 ± 212	1971 ± 1852	1573 ± 963
IL-22R + IL-23R	1151 ± 947	357 ± 766	111 ± 151	2637 ± 1147	1595 ± 1344
IL-22R + Ki67	201 ± 87	104 ± 174	68 ± 130	189 ± 159	265 ± 241
IL-22R + PI	933 ± 200	1077 ± 1699	323 ± 429	1426 ± 753	2262 ± 1958
IL-22R + Podoplanin	343 ± 519	2 ± 4	28 ± 55	1 ± 2	8 ± 13
IL-22R + SNA1	377 ± 696	61 ± 98	26 ± 47	104 ± 53	85 ± 73
IL-22R + STAT3	5652 ± 2587	2363 ± 2979	247 ± 350	4427 ± 2002	4524 ± 3725
IL-22R + TIA1	7 ± 10	11 ± 23	3 ± 2	11 ± 17	3 ± 2
IL-22R + Vimentin	519 ± 445	197 ± 187	128 ± 101	954 ± 641	480 ± 291

Tabelle 85: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	156 ± 197	140 ± 340	24 ± 47	348 ± 403	7 ± 8
IL-23R + BCL2	1461 ± 1475	546 ± 1230	171 ± 219	306 ± 295	934 ± 897
IL-23R + CCR6	62 ± 53	36 ± 37	35 ± 27	485 ± 302	65 ± 102
IL-23R + CD11a	155 ± 295	15 ± 36	7 ± 8	19 ± 9	8 ± 11
IL-23R + CD11b	295 ± 404	77 ± 147	16 ± 28	247 ± 61	98 ± 80
IL-23R + CD120a	162 ± 263	139 ± 333	33 ± 31	197 ± 172	67 ± 70
IL-23R + CD120b	44 ± 86	3 ± 8	3 ± 3	3 ± 4	2 ± 3
IL-23R + CD138	4346 ± 5155	2153 ± 4926	238 ± 214	4663 ± 2631	2998 ± 2407
IL-23R + CD15	105 ± 155	2 ± 3	3 ± 7	52 ± 92	19 ± 19
IL-23R + CD1a	140 ± 154	287 ± 679	7 ± 7	510 ± 485	214 ± 268
IL-23R + CD2	121 ± 211	9 ± 23	5 ± 6	112 ± 76	27 ± 37
IL-23R + CD207	119 ± 144	105 ± 238	10 ± 6	379 ± 183	221 ± 246
IL-23R + CD24	75 ± 135	0 ± 1	8 ± 16	23 ± 43	2 ± 5
IL-23R + CD28	142 ± 257	9 ± 21	7 ± 5	19 ± 17	5 ± 5
IL-23R + CD29	493 ± 752	1034 ± 2480	46 ± 65	956 ± 586	969 ± 1255
IL-23R + CD3	152 ± 273	40 ± 98	4 ± 5	71 ± 37	9 ± 16
IL-23R + CD31	185 ± 257	164 ± 399	20 ± 41	352 ± 403	31 ± 45
IL-23R + CD4	312 ± 522	48 ± 95	15 ± 24	169 ± 240	23 ± 22
IL-23R + CD44	1066 ± 1587	1817 ± 4378	36 ± 45	1913 ± 1306	945 ± 944
IL-23R + CD45	156 ± 245	10 ± 23	18 ± 21	108 ± 121	18 ± 15
IL-23R + CD45RA	34 ± 45	28 ± 63	17 ± 26	12 ± 10	10 ± 10
IL-23R + CD45RO	224 ± 384	16 ± 34	45 ± 60	51 ± 67	12 ± 8
IL-23R + CD52	173 ± 196	10 ± 24	12 ± 18	19 ± 16	2 ± 3
IL-23R + CD54	578 ± 982	266 ± 648	43 ± 71	274 ± 280	41 ± 58
IL-23R + CD56	35 ± 46	44 ± 100	27 ± 29	21 ± 18	14 ± 11
IL-23R + CD58	1743 ± 2930	1141 ± 2698	43 ± 38	939 ± 1104	1700 ± 1758
IL-23R + CD62E	127 ± 177	14 ± 30	26 ± 47	164 ± 284	9 ± 8
IL-23R + CD62P	153 ± 231	12 ± 28	24 ± 48	285 ± 329	10 ± 9
IL-23R + CD68	219 ± 246	270 ± 651	51 ± 70	570 ± 324	198 ± 181
IL-23R + CD7	67 ± 119	6 ± 15	4 ± 4	32 ± 24	10 ± 19
IL-23R + CD8a	34 ± 60	3 ± 7	0 ± 1	25 ± 12	2 ± 3
IL-23R + CK14	5274 ± 6010	2570 ± 6222	829 ± 712	4099 ± 1687	2517 ± 2113
IL-23R + CLA	84 ± 88	3 ± 6	10 ± 10	240 ± 405	47 ± 91
IL-23R + c-myc	3358 ± 2608	1507 ± 3338	843 ± 710	2855 ± 751	2682 ± 2064
IL-23R + Collagen IV	211 ± 336	182 ± 445	13 ± 26	260 ± 282	24 ± 42
IL-23R + FXIIIA	151 ± 136	238 ± 492	59 ± 89	231 ± 43	98 ± 76
IL-23R + HLA-DR	1632 ± 2647	1099 ± 2597	81 ± 131	2115 ± 2449	416 ± 332
IL-23R + IL-22R	1151 ± 947	357 ± 766	111 ± 151	2637 ± 1147	1595 ± 1344
IL-23R + Ki67	194 ± 223	79 ± 192	10 ± 18	86 ± 27	53 ± 46
IL-23R + PI	1416 ± 1709	1256 ± 3020	129 ± 53	1455 ± 962	661 ± 637
IL-23R + Podoplanin	102 ± 178	17 ± 37	12 ± 16	15 ± 17	12 ± 10
IL-23R + SNA1	819 ± 1323	629 ± 1441	71 ± 117	410 ± 272	103 ± 84
IL-23R + STAT3	4893 ± 4783	2029 ± 4639	645 ± 633	4079 ± 1560	2585 ± 2091
IL-23R + TIA1	105 ± 198	9 ± 21	7 ± 12	12 ± 7	3 ± 6
IL-23R + Vimentin	692 ± 945	564 ± 1347	77 ± 103	964 ± 434	296 ± 282

Tabelle 86: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	3 ± 4	1 ± 1	8 ± 8	0 ± 0	0 ± 1
Ki67 + BCL2	3137 ± 2738	238 ± 381	1226 ± 1582	92 ± 89	246 ± 284
Ki67 + CCR6	7 ± 11	4 ± 4	15 ± 18	47 ± 65	2 ± 2
Ki67 + CD11a	11 ± 12	6 ± 12	24 ± 28	20 ± 35	8 ± 5
Ki67 + CD11b	0 ± 0	3 ± 6	0 ± 0	73 ± 107	4 ± 4
Ki67 + CD120a	13 ± 11	15 ± 11	16 ± 23	34 ± 6	13 ± 5
Ki67 + CD120b	2 ± 3	3 ± 6	0 ± 0	0 ± 0	1 ± 1
Ki67 + CD138	4283 ± 2896	326 ± 266	1697 ± 1720	1442 ± 1424	513 ± 390
Ki67 + CD15	2 ± 4	9 ± 22	2 ± 3	5 ± 9	1 ± 1
Ki67 + CD1a	27 ± 28	17 ± 17	39 ± 54	40 ± 48	4 ± 7
Ki67 + CD2	23 ± 20	6 ± 11	27 ± 22	40 ± 49	14 ± 13
Ki67 + CD207	62 ± 52	66 ± 60	55 ± 39	96 ± 76	26 ± 16
Ki67 + CD24	2 ± 5	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Ki67 + CD28	5 ± 5	4 ± 10	6 ± 9	2 ± 3	2 ± 2
Ki67 + CD29	1368 ± 1542	112 ± 128	389 ± 475	351 ± 214	353 ± 640
Ki67 + CD3	21 ± 28	9 ± 18	28 ± 28	20 ± 28	5 ± 4
Ki67 + CD31	1 ± 2	1 ± 1	5 ± 9	0 ± 0	0 ± 1
Ki67 + CD4	7 ± 3	3 ± 7	9 ± 11	28 ± 47	4 ± 7
Ki67 + CD44	1556 ± 1335	187 ± 234	1358 ± 1155	1394 ± 1486	289 ± 272
Ki67 + CD45	12 ± 13	5 ± 7	20 ± 15	40 ± 44	3 ± 2
Ki67 + CD45RA	1 ± 2	1 ± 1	6 ± 6	10 ± 16	3 ± 6
Ki67 + CD45RO	2 ± 1	2 ± 3	20 ± 24	12 ± 8	0 ± 1
Ki67 + CD52	6 ± 7	3 ± 5	11 ± 22	10 ± 15	1 ± 1
Ki67 + CD54	27 ± 18	4 ± 8	20 ± 22	43 ± 82	3 ± 4
Ki67 + CD56	0 ± 0	3 ± 4	6 ± 11	1 ± 1	4 ± 5
Ki67 + CD58	1164 ± 1978	60 ± 93	114 ± 182	14 ± 24	70 ± 113
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Ki67 + CD62P	1 ± 2	0 ± 1	0 ± 0	2 ± 4	1 ± 1
Ki67 + CD68	28 ± 23	66 ± 97	39 ± 30	221 ± 152	71 ± 85
Ki67 + CD7	13 ± 18	1 ± 1	51 ± 41	11 ± 9	5 ± 4
Ki67 + CD8a	16 ± 18	0 ± 1	4 ± 3	15 ± 24	4 ± 4
Ki67 + CK14	6615 ± 1854	1044 ± 813	4615 ± 4479	3717 ± 2169	1674 ± 765
Ki67 + CLA	53 ± 43	1 ± 2	33 ± 40	58 ± 61	18 ± 18
Ki67 + c-myc	1159 ± 1284	203 ± 245	108 ± 129	190 ± 335	114 ± 184
Ki67 + Collagen IV	115 ± 164	19 ± 39	87 ± 69	57 ± 40	13 ± 11
Ki67 + FXIIIA	5 ± 9	0 ± 1	15 ± 24	39 ± 59	13 ± 25
Ki67 + HLA-DR	720 ± 707	133 ± 103	266 ± 289	476 ± 484	122 ± 66
Ki67 + IL-22R	201 ± 87	104 ± 174	68 ± 130	189 ± 159	265 ± 241
Ki67 + IL-23R	194 ± 223	79 ± 192	10 ± 18	86 ± 27	53 ± 46
Ki67 + PI	7088 ± 1849	1095 ± 686	4532 ± 4525	3620 ± 2074	1642 ± 691
Ki67 + Podoplanin	359 ± 509	13 ± 23	32 ± 37	6 ± 12	1 ± 1
Ki67 + SNA1	581 ± 911	21 ± 25	66 ± 67	45 ± 48	19 ± 15
Ki67 + STAT3	807 ± 865	125 ± 113	18 ± 34	69 ± 86	78 ± 106
Ki67 + TIA1	2 ± 4	0 ± 0	6 ± 8	2 ± 3	1 ± 2
Ki67 + Vimentin	338 ± 82	98 ± 58	276 ± 229	450 ± 142	83 ± 32

Tabelle 87: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	4681 ± 1775	1650 ± 826	4033 ± 990	4808 ± 2922	3002 ± 2074
PI + BCL2	15912 ± 11611	2720 ± 3906	7426 ± 5913	1193 ± 548	3469 ± 1589
PI + CCR6	1299 ± 1280	302 ± 153	1254 ± 1513	1117 ± 477	354 ± 325
PI + CD11a	16531 ± 8032	999 ± 529	14669 ± 8638	3510 ± 1920	4499 ± 3130
PI + CD11b	3566 ± 1516	1144 ± 895	1299 ± 1142	7228 ± 2359	5084 ± 2675
PI + CD120a	147 ± 78	182 ± 150	133 ± 86	400 ± 366	198 ± 104
PI + CD120b	4138 ± 2287	489 ± 298	1633 ± 789	1416 ± 307	717 ± 697
PI + CD138	22021 ± 9869	5351 ± 618	11033 ± 5032	11168 ± 5538	6951 ± 5343
PI + CD15	1191 ± 829	159 ± 174	405 ± 574	538 ± 224	146 ± 86
PI + CD1a	259 ± 146	633 ± 842	316 ± 258	328 ± 122	250 ± 197
PI + CD2	15324 ± 8237	867 ± 353	9728 ± 3407	6388 ± 1659	4289 ± 3452
PI + CD207	738 ± 399	889 ± 663	869 ± 420	770 ± 216	608 ± 312
PI + CD24	2207 ± 2844	625 ± 428	1517 ± 674	1960 ± 523	1274 ± 1347
PI + CD28	12652 ± 6570	260 ± 505	5988 ± 5913	2529 ± 1758	2907 ± 2818
PI + CD29	19763 ± 4118	5018 ± 1091	12419 ± 4675	11372 ± 3601	11300 ± 7052
PI + CD3	17898 ± 10586	2232 ± 688	14527 ± 8083	8876 ± 3897	5277 ± 3310
PI + CD31	4761 ± 1045	1530 ± 719	4073 ± 1112	4752 ± 2448	3775 ± 2273
PI + CD4	12414 ± 2697	1290 ± 857	9050 ± 2889	6565 ± 3963	6471 ± 3898
PI + CD44	23133 ± 6276	6384 ± 2270	30933 ± 7322	23522 ± 7758	14186 ± 3998
PI + CD45	16917 ± 10264	554 ± 323	12498 ± 6709	4200 ± 2039	2958 ± 2494
PI + CD45RA	4559 ± 895	453 ± 243	3315 ± 1134	1833 ± 542	1545 ± 437
PI + CD45RO	7981 ± 3612	257 ± 204	8569 ± 6821	2530 ± 1076	1025 ± 1305
PI + CD52	12756 ± 7776	311 ± 331	9495 ± 10622	2656 ± 856	2576 ± 3094
PI + CD54	25485 ± 9579	2977 ± 1608	12067 ± 7209	7407 ± 3892	9474 ± 6949
PI + CD56	1148 ± 927	559 ± 338	881 ± 293	943 ± 345	632 ± 293
PI + CD58	7884 ± 11461	1930 ± 2409	1490 ± 1324	1184 ± 887	3275 ± 2083
PI + CD62E	1398 ± 756	64 ± 49	1941 ± 1669	463 ± 321	408 ± 282
PI + CD62P	2366 ± 1706	568 ± 379	2646 ± 1100	2151 ± 1001	1740 ± 908
PI + CD68	4195 ± 1883	2649 ± 619	4446 ± 400	4150 ± 1185	4478 ± 2235
PI + CD7	6210 ± 1374	549 ± 484	10287 ± 6397	3385 ± 938	2771 ± 2485
PI + CD8a	3924 ± 1126	555 ± 208	4290 ± 2162	2820 ± 965	2024 ± 1075
PI + CK14	33760 ± 5520	11655 ± 1924	27086 ± 7530	20614 ± 7520	18169 ± 7146
PI + CLA	4652 ± 1761	328 ± 166	4019 ± 2102	2347 ± 695	1509 ± 401
PI + c-myc	8566 ± 3160	4640 ± 2113	2763 ± 2434	1393 ± 930	2405 ± 2230
PI + Collagen IV	6192 ± 3462	2781 ± 777	9421 ± 3018	10225 ± 4848	6420 ± 4101
PI + FXIIIA	1896 ± 732	1097 ± 551	3988 ± 1863	3086 ± 1234	3139 ± 2264
PI + HLA-DR	28685 ± 5337	7080 ± 2198	22242 ± 10642	21019 ± 17536	16341 ± 5682
PI + IL-22R	933 ± 200	1077 ± 1699	323 ± 429	1426 ± 753	2262 ± 1958
PI + IL-23R	1416 ± 1709	1256 ± 3020	129 ± 53	1455 ± 962	661 ± 637
PI + Ki67	7088 ± 1849	1095 ± 686	4532 ± 4525	3620 ± 2074	1642 ± 691
PI + Podoplanin	4371 ± 1350	1180 ± 1123	1320 ± 414	846 ± 165	932 ± 465
PI + SNA1	12571 ± 8546	3778 ± 794	8490 ± 3016	7019 ± 1900	6649 ± 2892
PI + STAT3	4928 ± 4868	3350 ± 2549	237 ± 174	1960 ± 1226	2552 ± 2684
PI + TIA1	1570 ± 630	204 ± 147	1373 ± 922	1063 ± 277	531 ± 401
PI + Vimentin	20249 ± 4771	5521 ± 1612	18849 ± 3655	14181 ± 2171	8246 ± 1515

Tabelle 88: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	234 ± 400	428 ± 384	73 ± 83	21 ± 25	124 ± 141
Podoplanin + BCL2	1261 ± 1447	96 ± 148	145 ± 108	8 ± 9	28 ± 29
Podoplanin + CCR6	395 ± 382	313 ± 279	248 ± 342	186 ± 191	172 ± 154
Podoplanin + CD11a	682 ± 309	227 ± 409	547 ± 519	76 ± 79	81 ± 52
Podoplanin + CD11b	204 ± 141	382 ± 561	30 ± 29	214 ± 147	264 ± 179
Podoplanin + CD120a	17 ± 21	5 ± 4	7 ± 8	3 ± 4	2 ± 1
Podoplanin + CD120b	180 ± 58	138 ± 262	85 ± 79	68 ± 63	42 ± 41
Podoplanin + CD138	7881 ± 11737	495 ± 557	579 ± 749	28 ± 15	93 ± 149
Podoplanin + CD15	142 ± 127	39 ± 45	25 ± 38	39 ± 21	49 ± 19
Podoplanin + CD1a	61 ± 81	16 ± 34	12 ± 23	0 ± 1	0 ± 0
Podoplanin + CD2	681 ± 399	134 ± 197	298 ± 120	160 ± 212	87 ± 83
Podoplanin + CD207	59 ± 27	5 ± 6	70 ± 112	1 ± 1	2 ± 3
Podoplanin + CD24	149 ± 121	242 ± 334	57 ± 37	274 ± 174	108 ± 145
Podoplanin + CD28	538 ± 302	26 ± 27	253 ± 285	83 ± 84	42 ± 38
Podoplanin + CD29	8864 ± 10545	1311 ± 1325	981 ± 953	377 ± 143	605 ± 250
Podoplanin + CD3	871 ± 349	474 ± 866	778 ± 542	253 ± 283	95 ± 81
Podoplanin + CD31	96 ± 74	276 ± 202	22 ± 13	112 ± 84	97 ± 78
Podoplanin + CD4	459 ± 266	207 ± 289	333 ± 229	156 ± 111	200 ± 284
Podoplanin + CD44	10198 ± 11295	2470 ± 2395	1932 ± 780	1277 ± 482	1421 ± 671
Podoplanin + CD45	683 ± 330	156 ± 273	431 ± 357	99 ± 113	52 ± 53
Podoplanin + CD45RA	334 ± 292	286 ± 165	158 ± 174	194 ± 133	257 ± 216
Podoplanin + CD45RO	377 ± 232	88 ± 84	350 ± 382	85 ± 90	91 ± 153
Podoplanin + CD52	787 ± 526	70 ± 75	608 ± 832	42 ± 37	15 ± 5
Podoplanin + CD54	2594 ± 1129	589 ± 735	530 ± 606	131 ± 121	397 ± 289
Podoplanin + CD56	211 ± 305	665 ± 527	190 ± 186	147 ± 131	268 ± 204
Podoplanin + CD58	5529 ± 9450	96 ± 105	85 ± 53	14 ± 16	80 ± 72
Podoplanin + CD62E	3 ± 5	14 ± 21	2 ± 3	0 ± 0	0 ± 1
Podoplanin + CD62P	46 ± 86	53 ± 74	4 ± 5	0 ± 0	21 ± 31
Podoplanin + CD68	340 ± 237	357 ± 351	253 ± 144	166 ± 132	353 ± 329
Podoplanin + CD7	466 ± 251	189 ± 371	494 ± 404	145 ± 145	37 ± 28
Podoplanin + CD8a	191 ± 131	160 ± 270	115 ± 60	63 ± 90	42 ± 33
Podoplanin + CK14	10615 ± 12032	789 ± 972	829 ± 1130	35 ± 35	63 ± 73
Podoplanin + CLA	222 ± 131	70 ± 94	219 ± 274	106 ± 22	68 ± 76
Podoplanin + c-myc	2203 ± 1805	570 ± 681	236 ± 259	30 ± 18	116 ± 168
Podoplanin + Collagen IV	1683 ± 1355	1535 ± 1007	1429 ± 449	2085 ± 1146	1606 ± 721
Podoplanin + FXIIIA	197 ± 274	529 ± 283	203 ± 250	190 ± 111	273 ± 120
Podoplanin + HLA-DR	6717 ± 7365	1378 ± 1303	1278 ± 830	1153 ± 453	1543 ± 995
Podoplanin + IL-22R	343 ± 519	2 ± 4	28 ± 55	1 ± 2	8 ± 13
Podoplanin + IL-23R	102 ± 178	17 ± 37	12 ± 16	15 ± 17	12 ± 10
Podoplanin + Ki67	359 ± 509	13 ± 23	32 ± 37	6 ± 12	1 ± 1
Podoplanin + PI	4371 ± 1350	1180 ± 1123	1320 ± 414	846 ± 165	932 ± 465
Podoplanin + SNA1	6476 ± 8844	2062 ± 838	1159 ± 359	1468 ± 1088	1734 ± 633
Podoplanin + STAT3	449 ± 493	484 ± 588	103 ± 129	31 ± 47	120 ± 178
Podoplanin + TIA1	167 ± 183	128 ± 133	71 ± 79	84 ± 117	117 ± 104
Podoplanin + Vimentin	3565 ± 1126	2325 ± 911	1857 ± 450	2123 ± 901	1750 ± 509

Tabelle 89: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	8059 ± 4500	3250 ± 1121	7843 ± 2590	6732 ± 2365	5189 ± 3525
SNA1 + BCL2	2200 ± 2896	260 ± 375	1530 ± 2565	88 ± 64	278 ± 130
SNA1 + CCR6	591 ± 386	177 ± 156	340 ± 329	498 ± 439	185 ± 69
SNA1 + CD11a	3504 ± 4194	645 ± 440	2815 ± 1360	573 ± 93	892 ± 582
SNA1 + CD11b	2230 ± 1731	1569 ± 719	1258 ± 1106	3420 ± 171	3530 ± 1780
SNA1 + CD120a	256 ± 404	63 ± 80	83 ± 62	115 ± 49	75 ± 48
SNA1 + CD120b	1215 ± 1147	619 ± 302	607 ± 356	854 ± 213	602 ± 434
SNA1 + CD138	10912 ± 19504	414 ± 369	914 ± 1146	557 ± 298	228 ± 83
SNA1 + CD15	1305 ± 1303	338 ± 348	335 ± 598	664 ± 461	228 ± 105
SNA1 + CD1a	136 ± 190	524 ± 1165	92 ± 85	91 ± 51	34 ± 24
SNA1 + CD2	2621 ± 1903	598 ± 372	1853 ± 1252	1726 ± 1281	970 ± 577
SNA1 + CD207	136 ± 112	401 ± 794	204 ± 141	139 ± 86	46 ± 30
SNA1 + CD24	1097 ± 1360	731 ± 486	873 ± 752	1237 ± 534	857 ± 697
SNA1 + CD28	2152 ± 1195	257 ± 539	949 ± 342	668 ± 264	695 ± 561
SNA1 + CD29	25461 ± 19187	6062 ± 1902	13657 ± 4165	10078 ± 1648	10401 ± 4081
SNA1 + CD3	3380 ± 2752	1838 ± 838	2667 ± 1284	2657 ± 1211	1449 ± 796
SNA1 + CD31	7421 ± 3429	2873 ± 1415	6930 ± 1653	7148 ± 2191	5973 ± 4056
SNA1 + CD4	4259 ± 3499	1516 ± 1074	2550 ± 1740	3488 ± 2830	3703 ± 2572
SNA1 + CD44	17440 ± 21328	6936 ± 4732	10371 ± 2758	8609 ± 1491	6322 ± 1961
SNA1 + CD45	2706 ± 1700	442 ± 408	2505 ± 1755	1045 ± 968	584 ± 396
SNA1 + CD45RA	1177 ± 1104	436 ± 148	679 ± 445	556 ± 118	596 ± 149
SNA1 + CD45RO	2110 ± 2643	289 ± 236	1708 ± 1790	502 ± 307	231 ± 221
SNA1 + CD52	2105 ± 591	317 ± 451	1651 ± 945	675 ± 213	660 ± 696
SNA1 + CD54	18034 ± 8051	5162 ± 2949	10616 ± 3298	7275 ± 2044	8745 ± 5716
SNA1 + CD56	872 ± 949	797 ± 283	696 ± 235	781 ± 156	778 ± 285
SNA1 + CD58	7559 ± 12767	1527 ± 2613	897 ± 125	918 ± 688	1805 ± 1467
SNA1 + CD62E	2123 ± 1773	115 ± 146	2717 ± 2512	631 ± 690	510 ± 374
SNA1 + CD62P	3443 ± 3485	1124 ± 646	4052 ± 1457	2967 ± 643	2598 ± 1733
SNA1 + CD68	4354 ± 2409	2551 ± 684	4525 ± 1326	3481 ± 1010	3939 ± 1962
SNA1 + CD7	1715 ± 1417	418 ± 282	2268 ± 713	828 ± 176	676 ± 557
SNA1 + CD8a	796 ± 874	370 ± 65	599 ± 314	575 ± 115	455 ± 129
SNA1 + CK14	17076 ± 21047	2303 ± 1618	6250 ± 2971	3493 ± 1276	3122 ± 1246
SNA1 + CLA	1271 ± 1037	230 ± 131	935 ± 651	445 ± 168	329 ± 120
SNA1 + c-myc	18559 ± 8543	3542 ± 2262	8734 ± 9815	3470 ± 1976	3420 ± 1707
SNA1 + Collagen IV	19711 ± 15520	8469 ± 3042	23293 ± 5248	17844 ± 4555	13262 ± 5198
SNA1 + FXIIIA	976 ± 836	2607 ± 1015	3090 ± 1952	2416 ± 447	3132 ± 1994
SNA1 + HLA-DR	23247 ± 21218	9798 ± 5293	12114 ± 2865	10027 ± 5051	11787 ± 4284
SNA1 + IL-22R	377 ± 696	61 ± 98	26 ± 47	104 ± 53	85 ± 73
SNA1 + IL-23R	819 ± 1323	629 ± 1441	71 ± 117	410 ± 272	103 ± 84
SNA1 + Ki67	581 ± 911	21 ± 25	66 ± 67	45 ± 48	19 ± 15
SNA1 + PI	12571 ± 8546	3778 ± 794	8490 ± 3016	7019 ± 1900	6649 ± 2892
SNA1 + Podoplanin	6476 ± 8844	2062 ± 838	1159 ± 359	1468 ± 1088	1734 ± 633
SNA1 + STAT3	811 ± 979	364 ± 321	120 ± 185	37 ± 27	142 ± 137
SNA1 + TIA1	910 ± 1300	222 ± 123	629 ± 454	353 ± 215	194 ± 87
SNA1 + Vimentin	14567 ± 9681	6383 ± 3722	11672 ± 3591	8399 ± 1433	5850 ± 2095

Tabelle 90: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	257 ± 463	258 ± 342	122 ± 154	16 ± 21	108 ± 161
STAT3 + BCL2	3430 ± 4381	2731 ± 5299	162 ± 212	188 ± 180	2212 ± 2074
STAT3 + CCR6	378 ± 459	658 ± 358	200 ± 206	715 ± 521	145 ± 106
STAT3 + CD11a	177 ± 218	6 ± 10	37 ± 70	13 ± 13	14 ± 9
STAT3 + CD11b	215 ± 336	16 ± 17	20 ± 38	12 ± 16	52 ± 68
STAT3 + CD120a	47 ± 21	164 ± 194	4 ± 4	279 ± 428	129 ± 111
STAT3 + CD120b	88 ± 112	43 ± 49	3 ± 4	2 ± 1	5 ± 6
STAT3 + CD138	22372 ± 14660	8500 ± 4060	728 ± 471	10374 ± 2535	9193 ± 6572
STAT3 + CD15	153 ± 161	58 ± 88	25 ± 33	52 ± 91	36 ± 19
STAT3 + CD1a	400 ± 334	766 ± 621	40 ± 69	1148 ± 1181	490 ± 374
STAT3 + CD2	237 ± 254	7 ± 12	12 ± 21	77 ± 59	58 ± 78
STAT3 + CD207	498 ± 578	957 ± 804	28 ± 26	558 ± 291	535 ± 490
STAT3 + CD24	138 ± 153	53 ± 104	12 ± 21	1 ± 1	7 ± 9
STAT3 + CD28	107 ± 99	4 ± 6	12 ± 21	1 ± 1	5 ± 8
STAT3 + CD29	1205 ± 962	2399 ± 1663	152 ± 176	804 ± 666	2746 ± 3273
STAT3 + CD3	202 ± 216	30 ± 56	25 ± 45	38 ± 37	13 ± 14
STAT3 + CD31	70 ± 91	125 ± 235	16 ± 31	2 ± 5	68 ± 144
STAT3 + CD4	109 ± 125	12 ± 12	4 ± 5	6 ± 9	16 ± 11
STAT3 + CD44	4982 ± 5154	3092 ± 2835	104 ± 126	4674 ± 1328	2919 ± 1147
STAT3 + CD45	244 ± 201	9 ± 10	33 ± 56	115 ± 148	20 ± 19
STAT3 + CD45RA	228 ± 378	120 ± 98	134 ± 160	34 ± 40	136 ± 213
STAT3 + CD45RO	414 ± 464	103 ± 175	186 ± 226	35 ± 48	103 ± 206
STAT3 + CD52	181 ± 311	18 ± 21	58 ± 74	5 ± 4	7 ± 6
STAT3 + CD54	338 ± 392	56 ± 66	39 ± 45	2 ± 4	68 ± 146
STAT3 + CD56	264 ± 495	487 ± 546	255 ± 300	50 ± 51	164 ± 253
STAT3 + CD58	7597 ± 11707	2785 ± 3794	283 ± 236	1801 ± 1989	4605 ± 5523
STAT3 + CD62E	64 ± 60	11 ± 13	17 ± 32	6 ± 6	27 ± 40
STAT3 + CD62P	139 ± 167	41 ± 80	18 ± 36	1 ± 1	55 ± 67
STAT3 + CD68	259 ± 411	302 ± 179	239 ± 291	174 ± 60	387 ± 280
STAT3 + CD7	196 ± 267	9 ± 15	15 ± 28	11 ± 12	15 ± 16
STAT3 + CD8a	78 ± 73	7 ± 16	3 ± 5	31 ± 34	5 ± 7
STAT3 + CK14	23509 ± 16354	7528 ± 4292	2565 ± 2787	9599 ± 2217	8932 ± 6789
STAT3 + CLA	184 ± 165	47 ± 80	20 ± 24	255 ± 477	188 ± 390
STAT3 + c-myc	9761 ± 2514	8080 ± 4637	2153 ± 2277	5124 ± 2779	5669 ± 3510
STAT3 + Collagen IV	83 ± 102	145 ± 183	15 ± 19	5 ± 9	44 ± 91
STAT3 + FXIIIA	252 ± 406	261 ± 308	263 ± 329	70 ± 51	138 ± 161
STAT3 + HLA-DR	4379 ± 5062	1409 ± 984	262 ± 222	2711 ± 3263	1255 ± 529
STAT3 + IL-22R	5652 ± 2587	2363 ± 2979	247 ± 350	4427 ± 2002	4524 ± 3725
STAT3 + IL-23R	4893 ± 4783	2029 ± 4639	645 ± 633	4079 ± 1560	2585 ± 2091
STAT3 + Ki67	807 ± 865	125 ± 113	18 ± 34	69 ± 86	78 ± 106
STAT3 + PI	4928 ± 4868	3350 ± 2549	237 ± 174	1960 ± 1226	2552 ± 2684
STAT3 + Podoplanin	449 ± 493	484 ± 588	103 ± 129	31 ± 47	120 ± 178
STAT3 + SNA1	811 ± 979	364 ± 321	120 ± 185	37 ± 27	142 ± 137
STAT3 + TIA1	148 ± 182	110 ± 133	37 ± 40	39 ± 32	69 ± 94
STAT3 + Vimentin	887 ± 710	615 ± 492	192 ± 215	822 ± 422	409 ± 205

Tabelle 91: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	177 ± 156	150 ± 97	209 ± 105	369 ± 321	77 ± 76
TIA1 + BCL2	309 ± 347	26 ± 30	202 ± 170	47 ± 33	61 ± 75
TIA1 + CCR6	271 ± 192	97 ± 120	176 ± 212	192 ± 175	110 ± 85
TIA1 + CD11a	1723 ± 766	165 ± 119	1275 ± 940	707 ± 202	519 ± 429
TIA1 + CD11b	1135 ± 1045	129 ± 138	653 ± 944	657 ± 234	248 ± 104
TIA1 + CD120a	13 ± 21	1 ± 1	3 ± 3	2 ± 2	1 ± 2
TIA1 + CD120b	337 ± 421	12 ± 9	90 ± 91	47 ± 39	22 ± 14
TIA1 + CD138	127 ± 116	87 ± 116	64 ± 27	31 ± 23	55 ± 79
TIA1 + CD15	833 ± 998	20 ± 24	497 ± 870	47 ± 51	18 ± 25
TIA1 + CD1a	20 ± 14	11 ± 14	9 ± 5	13 ± 9	1 ± 2
TIA1 + CD2	1518 ± 637	106 ± 59	1026 ± 607	1013 ± 355	478 ± 507
TIA1 + CD207	43 ± 28	10 ± 11	32 ± 45	45 ± 39	3 ± 6
TIA1 + CD24	426 ± 607	21 ± 29	483 ± 923	47 ± 52	30 ± 18
TIA1 + CD28	1084 ± 718	11 ± 14	598 ± 688	283 ± 119	234 ± 300
TIA1 + CD29	563 ± 214	237 ± 165	430 ± 200	408 ± 321	201 ± 71
TIA1 + CD3	1570 ± 776	159 ± 98	1183 ± 921	996 ± 210	470 ± 458
TIA1 + CD31	149 ± 69	145 ± 136	249 ± 88	189 ± 155	101 ± 101
TIA1 + CD4	981 ± 497	46 ± 25	662 ± 531	387 ± 64	274 ± 340
TIA1 + CD44	1250 ± 530	187 ± 111	1335 ± 925	1121 ± 318	579 ± 440
TIA1 + CD45	1470 ± 775	87 ± 56	1159 ± 865	794 ± 525	388 ± 448
TIA1 + CD45RA	634 ± 251	214 ± 140	433 ± 154	463 ± 54	371 ± 107
TIA1 + CD45RO	1028 ± 566	58 ± 70	906 ± 847	375 ± 226	195 ± 234
TIA1 + CD52	1322 ± 662	21 ± 17	940 ± 1014	412 ± 26	192 ± 245
TIA1 + CD54	1651 ± 865	196 ± 174	1034 ± 721	501 ± 256	431 ± 444
TIA1 + CD56	229 ± 134	86 ± 113	85 ± 86	79 ± 94	104 ± 98
TIA1 + CD58	240 ± 208	96 ± 79	52 ± 32	73 ± 34	84 ± 56
TIA1 + CD62E	204 ± 147	13 ± 14	264 ± 160	108 ± 164	3 ± 4
TIA1 + CD62P	154 ± 119	46 ± 45	267 ± 80	183 ± 154	48 ± 56
TIA1 + CD68	213 ± 61	88 ± 76	250 ± 149	125 ± 63	127 ± 80
TIA1 + CD7	1090 ± 193	203 ± 215	1203 ± 815	730 ± 347	447 ± 404
TIA1 + CD8a	849 ± 279	125 ± 89	802 ± 492	842 ± 162	398 ± 340
TIA1 + CK14	156 ± 130	51 ± 91	107 ± 59	43 ± 45	32 ± 34
TIA1 + CLA	608 ± 455	33 ± 23	451 ± 336	439 ± 227	159 ± 135
TIA1 + c-myc	219 ± 172	126 ± 149	120 ± 88	55 ± 47	58 ± 77
TIA1 + Collagen IV	321 ± 458	111 ± 83	414 ± 114	434 ± 364	120 ± 97
TIA1 + FXIIIA	208 ± 191	81 ± 94	321 ± 448	124 ± 73	107 ± 59
TIA1 + HLA-DR	1746 ± 1116	278 ± 152	1264 ± 1017	953 ± 153	640 ± 340
TIA1 + IL-22R	7 ± 10	11 ± 23	3 ± 2	11 ± 17	3 ± 2
TIA1 + IL-23R	105 ± 198	9 ± 21	7 ± 12	12 ± 7	3 ± 6
TIA1 + Ki67	2 ± 4	0 ± 0	6 ± 8	2 ± 3	1 ± 2
TIA1 + PI	1570 ± 630	204 ± 147	1373 ± 922	1063 ± 277	531 ± 401
TIA1 + Podoplanin	167 ± 183	128 ± 133	71 ± 79	84 ± 117	117 ± 104
TIA1 + SNA1	910 ± 1300	222 ± 123	629 ± 454	353 ± 215	194 ± 87
TIA1 + STAT3	148 ± 182	110 ± 133	37 ± 40	39 ± 32	69 ± 94
TIA1 + Vimentin	787 ± 347	158 ± 119	592 ± 208	562 ± 299	197 ± 113

Tabelle 92: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Responder identifizierten n=4 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	4893 ± 1896	1307 ± 510	4510 ± 1691	3493 ± 843	1930 ± 1568
Vimentin + BCL2	4340 ± 1750	812 ± 935	3682 ± 3272	795 ± 342	1223 ± 595
Vimentin + CCR6	1531 ± 1297	203 ± 146	1111 ± 1087	1259 ± 702	256 ± 110
Vimentin + CD11a	6612 ± 2790	634 ± 420	6557 ± 2753	1386 ± 269	1169 ± 376
Vimentin + CD11b	2879 ± 1848	1296 ± 511	1181 ± 270	6621 ± 1113	3428 ± 1008
Vimentin + CD120a	270 ± 164	171 ± 121	336 ± 209	483 ± 250	214 ± 57
Vimentin + CD120b	1127 ± 948	99 ± 173	454 ± 233	164 ± 108	22 ± 12
Vimentin + CD138	5732 ± 3107	983 ± 411	2728 ± 315	3335 ± 949	913 ± 281
Vimentin + CD15	598 ± 754	198 ± 283	68 ± 75	474 ± 671	341 ± 418
Vimentin + CD1a	528 ± 299	688 ± 1005	687 ± 426	983 ± 439	301 ± 124
Vimentin + CD2	6738 ± 1972	650 ± 353	5301 ± 1851	3766 ± 1768	1655 ± 990
Vimentin + CD207	895 ± 634	781 ± 650	1149 ± 376	1191 ± 177	566 ± 126
Vimentin + CD24	125 ± 151	96 ± 140	150 ± 147	435 ± 387	44 ± 46
Vimentin + CD28	4715 ± 1561	225 ± 464	2352 ± 1598	1025 ± 452	659 ± 406
Vimentin + CD29	13739 ± 2010	3557 ± 1539	10337 ± 3971	8181 ± 1902	5759 ± 1996
Vimentin + CD3	6911 ± 3236	1467 ± 999	5896 ± 2231	3810 ± 1096	1413 ± 605
Vimentin + CD31	5178 ± 1894	1096 ± 549	4909 ± 1973	4058 ± 819	2647 ± 2119
Vimentin + CD4	6299 ± 2557	1166 ± 765	4385 ± 950	3635 ± 2385	2543 ± 1317
Vimentin + CD44	15449 ± 3305	9314 ± 4467	23508 ± 2692	23493 ± 3833	10688 ± 2927
Vimentin + CD45	6659 ± 2212	434 ± 373	5737 ± 2193	2261 ± 1517	872 ± 542
Vimentin + CD45RA	1784 ± 775	345 ± 40	1443 ± 576	733 ± 38	497 ± 126
Vimentin + CD45RO	3666 ± 1249	310 ± 258	4100 ± 2673	1353 ± 480	361 ± 358
Vimentin + CD52	4627 ± 2514	304 ± 405	3684 ± 3602	1176 ± 568	454 ± 516
Vimentin + CD54	19137 ± 2611	3382 ± 2728	9841 ± 2664	5831 ± 1718	5106 ± 4025
Vimentin + CD56	1069 ± 821	847 ± 464	1153 ± 463	1074 ± 397	649 ± 354
Vimentin + CD58	3124 ± 4264	1055 ± 1768	1185 ± 416	1137 ± 326	1251 ± 692
Vimentin + CD62E	1293 ± 1091	64 ± 59	2104 ± 1788	464 ± 371	298 ± 228
Vimentin + CD62P	2119 ± 1938	558 ± 372	3049 ± 911	2059 ± 488	1477 ± 1156
Vimentin + CD68	6088 ± 691	3048 ± 594	6537 ± 1557	5707 ± 91	4468 ± 2032
Vimentin + CD7	3174 ± 293	360 ± 144	4787 ± 1561	1624 ± 304	719 ± 421
Vimentin + CD8a	1410 ± 562	336 ± 161	1475 ± 427	1140 ± 210	530 ± 174
Vimentin + CK14	8573 ± 3948	2531 ± 953	6433 ± 2239	6450 ± 1439	2909 ± 748
Vimentin + CLA	3143 ± 1167	322 ± 176	2978 ± 1117	2144 ± 1399	932 ± 490
Vimentin + c-myc	6013 ± 3713	1706 ± 1393	2791 ± 3090	1268 ± 627	941 ± 854
Vimentin + Collagen IV	6524 ± 5012	3254 ± 2374	9096 ± 4054	9364 ± 2953	3379 ± 1180
Vimentin + FXIIIA	2426 ± 1149	2035 ± 676	5832 ± 1767	4747 ± 462	3218 ± 1455
Vimentin + HLA-DR	24290 ± 4711	9006 ± 4338	20981 ± 4376	17978 ± 8336	10921 ± 2640
Vimentin + IL-22R	519 ± 445	197 ± 187	128 ± 101	954 ± 641	480 ± 291
Vimentin + IL-23R	692 ± 945	564 ± 1347	77 ± 103	964 ± 434	296 ± 282
Vimentin + Ki67	338 ± 82	98 ± 58	276 ± 229	450 ± 142	83 ± 32
Vimentin + PI	20249 ± 4771	5521 ± 1612	18849 ± 3655	14181 ± 2171	8246 ± 1515
Vimentin + Podoplanin	3565 ± 1126	2325 ± 911	1857 ± 450	2123 ± 901	1750 ± 509
Vimentin + SNA1	14567 ± 9681	6383 ± 3722	11672 ± 3591	8399 ± 1433	5850 ± 2095
Vimentin + STAT3	887 ± 710	615 ± 492	192 ± 215	822 ± 422	409 ± 205
Vimentin + TIA1	787 ± 347	158 ± 119	592 ± 208	562 ± 299	197 ± 113

1.1.3 Duale Koexpression der Gesamthaut für die Non-Responder

Tabelle 93: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	146 ± 152	28 ± 40	660 ± 1131	279 ± 448	72 ± 63
Aktin + CCR6	314 ± 443	546 ± 772	44 ± 71	2 ± 4	23 ± 33
Aktin + CD11a	443 ± 423	100 ± 94	72 ± 109	39 ± 53	69 ± 83
Aktin + CD11b	212 ± 285	80 ± 108	91 ± 79	113 ± 97	265 ± 230
Aktin + CD120a	1 ± 1	1 ± 1	1 ± 1	4 ± 7	1 ± 2
Aktin + CD120b	76 ± 96	68 ± 27	14 ± 22	180 ± 309	15 ± 10
Aktin + CD138	178 ± 251	3441 ± 4866	54 ± 82	0 ± 0	5 ± 7
Aktin + CD15	106 ± 147	156 ± 221	25 ± 31	10 ± 11	6 ± 8
Aktin + CD1a	0 ± 0	11 ± 5	0 ± 0	0 ± 0	2 ± 2
Aktin + CD2	468 ± 555	40 ± 50	51 ± 86	700 ± 1144	84 ± 118
Aktin + CD207	0 ± 0	5 ± 1	0 ± 0	0 ± 1	2 ± 3
Aktin + CD24	47 ± 64	58 ± 10	40 ± 64	10 ± 12	13 ± 1
Aktin + CD28	333 ± 397	19 ± 12	115 ± 197	496 ± 749	81 ± 84
Aktin + CD29	7192 ± 1565	3412 ± 1515	4131 ± 5910	4002 ± 3478	4801 ± 2695
Aktin + CD3	823 ± 1036	772 ± 592	270 ± 447	940 ± 1302	403 ± 326
Aktin + CD31	4977 ± 3167	1660 ± 907	3431 ± 4340	4270 ± 4882	3767 ± 1674
Aktin + CD4	2018 ± 2199	358 ± 434	131 ± 176	1006 ± 1156	894 ± 360
Aktin + CD44	3120 ± 3575	3176 ± 1275	502 ± 826	798 ± 1230	605 ± 490
Aktin + CD45	487 ± 580	69 ± 43	31 ± 45	134 ± 179	22 ± 31
Aktin + CD45RA	524 ± 548	335 ± 303	42 ± 69	59 ± 57	118 ± 144
Aktin + CD45RO	195 ± 220	253 ± 358	64 ± 102	158 ± 266	8 ± 11
Aktin + CD52	720 ± 515	383 ± 481	247 ± 417	1177 ± 1906	163 ± 228
Aktin + CD54	6896 ± 2691	2590 ± 1373	2756 ± 3458	3573 ± 3377	4631 ± 2059
Aktin + CD56	429 ± 607	951 ± 1278	58 ± 89	4 ± 6	13 ± 18
Aktin + CD58	1795 ± 990	1661 ± 1726	676 ± 444	2261 ± 3603	1999 ± 257
Aktin + CD62E	743 ± 122	34 ± 48	735 ± 1241	822 ± 1335	458 ± 641
Aktin + CD62P	2397 ± 1588	962 ± 832	1010 ± 1412	1478 ± 1434	2040 ± 1164
Aktin + CD68	1229 ± 191	490 ± 218	825 ± 1416	977 ± 874	1350 ± 1386
Aktin + CD7	557 ± 775	124 ± 150	66 ± 65	260 ± 362	53 ± 68
Aktin + CD8a	119 ± 132	187 ± 137	47 ± 81	108 ± 133	52 ± 73
Aktin + CK14	4 ± 1	3075 ± 4348	20 ± 29	0 ± 0	4 ± 6
Aktin + CLA	66 ± 93	35 ± 18	52 ± 90	16 ± 16	8 ± 10
Aktin + c-myc	513 ± 224	3752 ± 5306	1553 ± 2677	0 ± 0	2827 ± 3963
Aktin + Collagen IV	6598 ± 1876	3024 ± 950	3717 ± 4986	2703 ± 2354	4874 ± 3882
Aktin + FXIIIA	537 ± 704	605 ± 159	167 ± 275	82 ± 106	94 ± 94
Aktin + HLA-DR	4660 ± 385	3428 ± 1505	1560 ± 2348	1699 ± 1744	2232 ± 772
Aktin + IL-22R	0 ± 0	35 ± 27	2 ± 3	3 ± 6	3 ± 4
Aktin + IL-23R	45 ± 52	29 ± 42	63 ± 104	86 ± 143	12 ± 17
Aktin + Ki67	22 ± 31	10 ± 14	13 ± 17	0 ± 0	0 ± 0
Aktin + PI	3716 ± 1524	3124 ± 991	1728 ± 2379	2374 ± 2409	2706 ± 2186
Aktin + Podoplanin	718 ± 511	1652 ± 2165	46 ± 52	0 ± 0	24 ± 8
Aktin + SNA1	7355 ± 1161	3220 ± 837	3619 ± 4810	2788 ± 2625	3650 ± 160
Aktin + STAT3	204 ± 277	3605 ± 4802	75 ± 82	32 ± 52	33 ± 46
Aktin + TIA1	366 ± 505	291 ± 311	51 ± 84	85 ± 106	83 ± 116
Aktin + Vimentin	4381 ± 771	2570 ± 346	1981 ± 2222	1323 ± 1667	2696 ± 2762

Tabelle 94: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	146 ± 152	28 ± 40	660 ± 1131	279 ± 448	72 ± 63
BCL2 + CCR6	387 ± 494	20 ± 26	1329 ± 1245	1504 ± 1496	152 ± 163
BCL2 + CD11a	1710 ± 872	35 ± 37	6176 ± 4330	6027 ± 5658	633 ± 86
BCL2 + CD11b	240 ± 70	48 ± 63	505 ± 763	2979 ± 3400	543 ± 115
BCL2 + CD120a	85 ± 52	3 ± 3	12 ± 5	60 ± 93	9 ± 8
BCL2 + CD120b	99 ± 66	0 ± 0	312 ± 178	4418 ± 4835	62 ± 63
BCL2 + CD138	4482 ± 606	769 ± 352	2471 ± 4002	386 ± 223	302 ± 314
BCL2 + CD15	2 ± 3	12 ± 16	19 ± 15	7 ± 5	1 ± 2
BCL2 + CD1a	150 ± 61	66 ± 90	16 ± 6	239 ± 265	23 ± 3
BCL2 + CD2	1929 ± 1430	59 ± 75	6319 ± 4158	7551 ± 7231	607 ± 264
BCL2 + CD207	139 ± 57	23 ± 10	170 ± 247	340 ± 378	17 ± 5
BCL2 + CD24	0 ± 1	0 ± 0	20 ± 22	9 ± 8	2 ± 1
BCL2 + CD28	1066 ± 631	2 ± 3	4159 ± 2981	6601 ± 6401	363 ± 268
BCL2 + CD29	4513 ± 1005	268 ± 183	2419 ± 2863	1187 ± 809	647 ± 85
BCL2 + CD3	1685 ± 993	128 ± 168	6539 ± 4578	7511 ± 7137	717 ± 62
BCL2 + CD31	163 ± 156	0 ± 1	874 ± 1225	476 ± 437	96 ± 39
BCL2 + CD4	1675 ± 1238	22 ± 17	5182 ± 3338	7334 ± 7091	702 ± 18
BCL2 + CD44	3392 ± 1023	530 ± 4	6466 ± 6241	3438 ± 1964	829 ± 356
BCL2 + CD45	1755 ± 1105	84 ± 105	5392 ± 3550	6102 ± 5788	407 ± 230
BCL2 + CD45RA	323 ± 234	38 ± 50	1283 ± 851	1670 ± 1964	154 ± 108
BCL2 + CD45RO	1348 ± 628	13 ± 18	5067 ± 3793	6795 ± 6653	276 ± 333
BCL2 + CD52	949 ± 464	113 ± 152	4791 ± 3629	6234 ± 6688	335 ± 417
BCL2 + CD54	1725 ± 2241	37 ± 48	4008 ± 2419	4041 ± 4068	612 ± 157
BCL2 + CD56	112 ± 76	9 ± 12	219 ± 186	122 ± 97	27 ± 32
BCL2 + CD58	1046 ± 677	409 ± 573	1591 ± 1903	3576 ± 3967	323 ± 34
BCL2 + CD62E	42 ± 59	6 ± 8	352 ± 610	9 ± 10	6 ± 1
BCL2 + CD62P	44 ± 61	0 ± 0	318 ± 551	13 ± 10	31 ± 25
BCL2 + CD68	1265 ± 1341	173 ± 158	2396 ± 1933	1295 ± 795	660 ± 72
BCL2 + CD7	1255 ± 914	13 ± 12	4069 ± 2527	5421 ± 5330	370 ± 210
BCL2 + CD8a	502 ± 212	83 ± 105	1507 ± 980	4282 ± 4830	265 ± 102
BCL2 + CK14	7406 ± 1384	710 ± 399	4609 ± 6929	1548 ± 708	1014 ± 492
BCL2 + CLA	560 ± 416	69 ± 97	1270 ± 1115	1105 ± 637	324 ± 39
BCL2 + c-myc	3755 ± 1772	295 ± 416	934 ± 943	621 ± 378	1052 ± 500
BCL2 + Collagen IV	712 ± 285	40 ± 40	1221 ± 1357	407 ± 264	314 ± 339
BCL2 + FXIIIA	306 ± 256	35 ± 50	1150 ± 1057	632 ± 480	167 ± 77
BCL2 + HLA-DR	2605 ± 112	284 ± 2	4766 ± 5320	3116 ± 1744	732 ± 175
BCL2 + IL-22R	297 ± 20	348 ± 361	127 ± 156	102 ± 41	258 ± 327
BCL2 + IL-23R	1576 ± 1198	549 ± 597	375 ± 232	470 ± 91	69 ± 24
BCL2 + Ki67	1127 ± 139	50 ± 54	2292 ± 3935	66 ± 23	199 ± 158
BCL2 + PI	9099 ± 318	658 ± 114	11383 ± 14576	7257 ± 4632	1678 ± 657
BCL2 + Podoplanin	763 ± 1031	19 ± 26	515 ± 48	112 ± 143	129 ± 64
BCL2 + SNA1	2540 ± 34	141 ± 99	2003 ± 2553	613 ± 221	399 ± 206
BCL2 + STAT3	2629 ± 1504	614 ± 578	118 ± 145	242 ± 185	50 ± 49
BCL2 + TIA1	106 ± 78	7 ± 9	216 ± 164	905 ± 1008	78 ± 88
BCL2 + Vimentin	4251 ± 1613	273 ± 287	6300 ± 4313	2498 ± 784	973 ± 83

Tabelle 95: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	314 ± 443	546 ± 772	44 ± 71	2 ± 4	23 ± 33
CCR6 + BCL2	387 ± 494	20 ± 26	1329 ± 1245	1504 ± 1496	152 ± 163
CCR6 + CD11a	895 ± 1177	33 ± 47	3199 ± 2948	2089 ± 2105	865 ± 1210
CCR6 + CD11b	119 ± 128	23 ± 32	123 ± 65	1091 ± 1203	654 ± 869
CCR6 + CD120a	13 ± 18	2 ± 1	17 ± 16	35 ± 37	7 ± 4
CCR6 + CD120b	93 ± 113	36 ± 51	316 ± 228	1581 ± 1711	163 ± 227
CCR6 + CD138	518 ± 364	656 ± 882	238 ± 56	299 ± 124	87 ± 35
CCR6 + CD15	46 ± 65	178 ± 252	69 ± 73	6 ± 8	1 ± 2
CCR6 + CD1a	42 ± 42	10 ± 7	40 ± 51	104 ± 74	28 ± 22
CCR6 + CD2	842 ± 1125	22 ± 31	3143 ± 2869	2559 ± 2679	869 ± 1208
CCR6 + CD207	66 ± 83	6 ± 5	52 ± 46	132 ± 102	61 ± 59
CCR6 + CD24	24 ± 34	38 ± 54	27 ± 21	15 ± 6	11 ± 0
CCR6 + CD28	637 ± 833	6 ± 8	2387 ± 2194	2275 ± 2409	679 ± 961
CCR6 + CD29	646 ± 804	535 ± 727	438 ± 181	405 ± 213	195 ± 137
CCR6 + CD3	839 ± 1105	100 ± 141	3434 ± 3039	2716 ± 2853	915 ± 1265
CCR6 + CD31	22 ± 29	13 ± 18	36 ± 25	19 ± 24	13 ± 18
CCR6 + CD4	881 ± 1177	16 ± 23	3237 ± 3071	2510 ± 2669	821 ± 1158
CCR6 + CD44	1406 ± 1809	339 ± 439	2943 ± 2160	2232 ± 1796	1055 ± 1233
CCR6 + CD45	986 ± 1309	42 ± 59	3122 ± 2953	2025 ± 2052	749 ± 1056
CCR6 + CD45RA	541 ± 732	481 ± 681	673 ± 572	456 ± 560	330 ± 358
CCR6 + CD45RO	746 ± 996	280 ± 395	2286 ± 1832	2369 ± 2506	611 ± 814
CCR6 + CD52	576 ± 761	206 ± 290	2418 ± 2130	2198 ± 2504	767 ± 1070
CCR6 + CD54	900 ± 1250	19 ± 27	2424 ± 2426	1709 ± 1912	665 ± 931
CCR6 + CD56	503 ± 691	547 ± 772	197 ± 156	79 ± 84	55 ± 31
CCR6 + CD58	186 ± 94	222 ± 288	1326 ± 1637	1303 ± 1491	247 ± 314
CCR6 + CD62E	4 ± 5	37 ± 52	1 ± 2	6 ± 7	2 ± 2
CCR6 + CD62P	16 ± 22	37 ± 53	6 ± 8	3 ± 2	8 ± 7
CCR6 + CD68	668 ± 926	137 ± 194	1025 ± 1097	652 ± 447	657 ± 783
CCR6 + CD7	625 ± 812	13 ± 19	2315 ± 2143	1737 ± 1772	608 ± 843
CCR6 + CD8a	193 ± 251	31 ± 44	785 ± 793	1096 ± 1205	368 ± 511
CCR6 + CK14	501 ± 308	374 ± 484	571 ± 405	1072 ± 221	246 ± 153
CCR6 + CLA	286 ± 354	32 ± 45	534 ± 395	395 ± 262	298 ± 398
CCR6 + c-myc	515 ± 426	821 ± 1160	186 ± 84	353 ± 192	154 ± 174
CCR6 + Collagen IV	84 ± 106	59 ± 83	163 ± 109	48 ± 30	86 ± 117
CCR6 + FXIIIA	523 ± 720	427 ± 602	509 ± 452	365 ± 295	138 ± 84
CCR6 + HLA-DR	1299 ± 1660	484 ± 652	1806 ± 1127	1701 ± 1256	979 ± 1208
CCR6 + IL-22R	69 ± 24	26 ± 0	27 ± 8	103 ± 105	117 ± 129
CCR6 + IL-23R	140 ± 77	44 ± 17	118 ± 69	308 ± 108	24 ± 9
CCR6 + Ki67	38 ± 26	4 ± 6	28 ± 17	18 ± 25	4 ± 5
CCR6 + PI	975 ± 1276	232 ± 315	1793 ± 2021	2126 ± 1713	810 ± 890
CCR6 + Podoplanin	579 ± 804	816 ± 1154	443 ± 330	86 ± 71	195 ± 153
CCR6 + SNA1	830 ± 1020	344 ± 477	498 ± 30	354 ± 242	258 ± 255
CCR6 + STAT3	402 ± 311	779 ± 1057	186 ± 101	326 ± 132	26 ± 14
CCR6 + TIA1	170 ± 235	346 ± 490	120 ± 44	203 ± 195	135 ± 186
CCR6 + Vimentin	1218 ± 1617	503 ± 706	2666 ± 2097	1294 ± 820	996 ± 1280

Tabelle 96: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	443 ± 423	100 ± 94	72 ± 109	39 ± 53	69 ± 83
CD11a + BCL2	1710 ± 872	35 ± 37	6176 ± 4330	6027 ± 5658	633 ± 86
CD11a + CCR6	895 ± 1177	33 ± 47	3199 ± 2948	2089 ± 2105	865 ± 1210
CD11a + CD11b	4956 ± 2470	192 ± 116	2393 ± 215	5924 ± 5501	5934 ± 4818
CD11a + CD120a	82 ± 54	0 ± 0	516 ± 541	312 ± 311	29 ± 41
CD11a + CD120b	1089 ± 715	45 ± 25	1473 ± 372	10094 ± 10489	883 ± 1035
CD11a + CD138	2195 ± 2133	2 ± 2	312 ± 181	63 ± 91	408 ± 541
CD11a + CD15	650 ± 875	3 ± 4	806 ± 640	10 ± 17	40 ± 57
CD11a + CD1a	170 ± 220	29 ± 40	30 ± 21	448 ± 496	160 ± 226
CD11a + CD2	11421 ± 8956	281 ± 118	21194 ± 11412	18620 ± 16805	9352 ± 11205
CD11a + CD207	231 ± 273	21 ± 30	256 ± 324	737 ± 720	431 ± 597
CD11a + CD24	644 ± 471	27 ± 20	819 ± 499	240 ± 234	176 ± 59
CD11a + CD28	8468 ± 6306	97 ± 119	16657 ± 9700	17819 ± 16001	6533 ± 8064
CD11a + CD29	4798 ± 4259	63 ± 58	1445 ± 532	493 ± 231	1123 ± 707
CD11a + CD3	13299 ± 9041	632 ± 108	29992 ± 16123	19936 ± 17210	11490 ± 11014
CD11a + CD31	583 ± 684	34 ± 20	561 ± 686	343 ± 418	119 ± 113
CD11a + CD4	14273 ± 12526	328 ± 248	27239 ± 18585	19068 ± 16776	11031 ± 10864
CD11a + CD44	17347 ± 10343	760 ± 202	24724 ± 7757	9954 ± 5900	8228 ± 7350
CD11a + CD45	17138 ± 11766	472 ± 73	28864 ± 17934	16508 ± 14213	7436 ± 8502
CD11a + CD45RA	3812 ± 2570	104 ± 38	6150 ± 3861	3757 ± 3992	2560 ± 3161
CD11a + CD45RO	10174 ± 6730	41 ± 30	15825 ± 5424	17644 ± 16330	5228 ± 7211
CD11a + CD52	6196 ± 1531	313 ± 247	18019 ± 10229	15798 ± 16404	6479 ± 8819
CD11a + CD54	12163 ± 15126	386 ± 120	19537 ± 14089	9325 ± 8641	7583 ± 5809
CD11a + CD56	579 ± 411	8 ± 7	600 ± 195	157 ± 132	151 ± 90
CD11a + CD58	1230 ± 346	108 ± 151	8565 ± 12293	7295 ± 7747	1614 ± 1827
CD11a + CD62E	146 ± 149	0 ± 0	59 ± 60	31 ± 27	3 ± 5
CD11a + CD62P	254 ± 290	24 ± 17	47 ± 47	9 ± 3	14 ± 20
CD11a + CD68	1527 ± 1818	62 ± 75	4188 ± 2314	1465 ± 1329	2661 ± 3166
CD11a + CD7	8690 ± 7741	115 ± 105	16429 ± 10104	12943 ± 12176	5266 ± 6375
CD11a + CD8a	3914 ± 1110	368 ± 83	7100 ± 3843	9503 ± 9890	4552 ± 4701
CD11a + CK14	3490 ± 2761	9 ± 11	1259 ± 572	164 ± 213	995 ± 1001
CD11a + CLA	3286 ± 1965	132 ± 31	4569 ± 1570	2847 ± 1389	2587 ± 1685
CD11a + c-myc	1443 ± 617	11 ± 16	1555 ± 1501	82 ± 106	409 ± 343
CD11a + Collagen IV	3120 ± 2236	228 ± 87	2509 ± 1245	509 ± 343	1323 ± 1282
CD11a + FXIIIA	509 ± 414	109 ± 8	1822 ± 1022	727 ± 513	264 ± 92
CD11a + HLA-DR	15550 ± 4158	704 ± 177	16731 ± 4812	9080 ± 5313	8608 ± 7815
CD11a + IL-22R	96 ± 61	0 ± 0	133 ± 141	72 ± 70	147 ± 133
CD11a + IL-23R	103 ± 14	4 ± 6	442 ± 305	96 ± 86	18 ± 25
CD11a + Ki67	166 ± 24	0 ± 0	163 ± 273	25 ± 40	80 ± 37
CD11a + PI	13292 ± 7870	497 ± 9	19627 ± 11619	13435 ± 10293	9445 ± 9773
CD11a + Podoplanin	1997 ± 2249	17 ± 15	1913 ± 1278	394 ± 425	933 ± 1026
CD11a + SNA1	9624 ± 5649	349 ± 79	3906 ± 801	1115 ± 377	1593 ± 1043
CD11a + STAT3	391 ± 229	4 ± 4	97 ± 152	9 ± 13	25 ± 32
CD11a + TIA1	1065 ± 500	26 ± 11	1453 ± 345	1882 ± 1833	1356 ± 1631
CD11a + Vimentin	8542 ± 5223	464 ± 45	12625 ± 5221	2871 ± 1580	5435 ± 6219

Tabelle 97: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	212 ± 285	80 ± 108	91 ± 79	113 ± 97	265 ± 230
CD11b + BCL2	240 ± 70	48 ± 63	505 ± 763	2979 ± 3400	543 ± 115
CD11b + CCR6	119 ± 128	23 ± 32	123 ± 65	1091 ± 1203	654 ± 869
CD11b + CD11a	4956 ± 2470	192 ± 116	2393 ± 215	5924 ± 5501	5934 ± 4818
CD11b + CD120a	35 ± 13	0 ± 0	194 ± 169	556 ± 655	109 ± 155
CD11b + CD120b	213 ± 120	32 ± 31	158 ± 158	4076 ± 4542	633 ± 533
CD11b + CD138	129 ± 116	7 ± 10	191 ± 170	63 ± 35	535 ± 733
CD11b + CD15	1802 ± 2044	35 ± 49	6815 ± 6057	167 ± 142	205 ± 263
CD11b + CD1a	7 ± 4	28 ± 39	31 ± 39	143 ± 115	140 ± 194
CD11b + CD2	2535 ± 2270	149 ± 104	1079 ± 562	7668 ± 8007	4546 ± 5205
CD11b + CD207	15 ± 9	17 ± 24	98 ± 95	164 ± 85	280 ± 396
CD11b + CD24	687 ± 507	51 ± 13	5780 ± 4310	318 ± 62	368 ± 91
CD11b + CD28	1439 ± 913	37 ± 52	746 ± 62	6509 ± 6473	2823 ± 3127
CD11b + CD29	1367 ± 1298	105 ± 123	1173 ± 620	704 ± 377	1704 ± 167
CD11b + CD3	2649 ± 2132	303 ± 147	2419 ± 389	9727 ± 9668	5990 ± 3777
CD11b + CD31	356 ± 470	11 ± 7	1286 ± 1759	321 ± 231	504 ± 114
CD11b + CD4	4102 ± 4035	350 ± 432	1316 ± 93	9002 ± 8324	7436 ± 3224
CD11b + CD44	5445 ± 1101	1042 ± 39	4762 ± 332	7821 ± 2319	10100 ± 3723
CD11b + CD45	4714 ± 3341	232 ± 149	2314 ± 703	6144 ± 5457	3702 ± 3592
CD11b + CD45RA	739 ± 199	77 ± 28	398 ± 127	1920 ± 1948	2055 ± 2099
CD11b + CD45RO	3317 ± 3087	16 ± 15	3137 ± 999	8011 ± 8189	2554 ± 3492
CD11b + CD52	1164 ± 56	119 ± 32	1564 ± 549	6317 ± 7575	3322 ± 4472
CD11b + CD54	4560 ± 5647	287 ± 309	3367 ± 1771	7400 ± 7278	8096 ± 2797
CD11b + CD56	215 ± 148	52 ± 19	148 ± 57	364 ± 183	435 ± 177
CD11b + CD58	179 ± 103	88 ± 124	648 ± 663	3816 ± 4455	1194 ± 884
CD11b + CD62E	44 ± 49	7 ± 10	1524 ± 1897	222 ± 159	171 ± 238
CD11b + CD62P	80 ± 113	0 ± 0	503 ± 482	146 ± 104	230 ± 318
CD11b + CD68	1232 ± 1232	221 ± 283	1721 ± 291	4077 ± 2156	5229 ± 4627
CD11b + CD7	1915 ± 2011	62 ± 42	782 ± 229	4710 ± 4596	2692 ± 3126
CD11b + CD8a	699 ± 243	232 ± 158	474 ± 275	3547 ± 4004	1931 ± 1939
CD11b + CK14	467 ± 28	0 ± 0	1262 ± 1328	358 ± 418	926 ± 1265
CD11b + CLA	790 ± 429	107 ± 35	2553 ± 2270	1000 ± 547	1357 ± 821
CD11b + c-myc	725 ± 42	41 ± 57	640 ± 213	283 ± 241	1240 ± 1097
CD11b + Collagen IV	1303 ± 1166	226 ± 173	2213 ± 1932	541 ± 152	2275 ± 1506
CD11b + FXIIIA	1051 ± 193	445 ± 242	1156 ± 883	3409 ± 1296	3247 ± 2159
CD11b + HLA-DR	5777 ± 489	974 ± 86	3835 ± 1515	8360 ± 1842	12966 ± 3846
CD11b + IL-22R	2 ± 3	0 ± 0	9 ± 6	43 ± 45	143 ± 203
CD11b + IL-23R	123 ± 64	28 ± 39	1143 ± 866	454 ± 180	123 ± 27
CD11b + Ki67	18 ± 4	0 ± 0	19 ± 32	15 ± 19	86 ± 15
CD11b + PI	3699 ± 1891	505 ± 240	3206 ± 2409	7024 ± 4671	7489 ± 4679
CD11b + Podoplanin	517 ± 622	52 ± 4	202 ± 116	212 ± 190	819 ± 222
CD11b + SNA1	5027 ± 1833	686 ± 192	3924 ± 1881	2177 ± 1221	4402 ± 766
CD11b + STAT3	425 ± 547	18 ± 14	2000 ± 1960	39 ± 48	60 ± 16
CD11b + TIA1	706 ± 121	27 ± 38	4288 ± 2726	1003 ± 904	1234 ± 1591
CD11b + Vimentin	3247 ± 184	898 ± 15	3207 ± 1729	4338 ± 511	8200 ± 5550

Tabelle 98: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	1 ± 1	1 ± 1	1 ± 1	4 ± 7	1 ± 2
CD120a + BCL2	85 ± 52	3 ± 3	12 ± 5	60 ± 93	9 ± 8
CD120a + CCR6	13 ± 18	2 ± 1	17 ± 16	35 ± 37	7 ± 4
CD120a + CD11a	82 ± 54	0 ± 0	516 ± 541	312 ± 311	29 ± 41
CD120a + CD11b	35 ± 13	0 ± 0	194 ± 169	556 ± 655	109 ± 155
CD120a + CD120b	8 ± 7	0 ± 0	54 ± 73	262 ± 341	18 ± 22
CD120a + CD138	573 ± 129	59 ± 3	102 ± 40	65 ± 54	169 ± 168
CD120a + CD15	7 ± 10	0 ± 0	104 ± 130	5 ± 5	2 ± 2
CD120a + CD1a	412 ± 223	15 ± 20	87 ± 65	99 ± 44	140 ± 128
CD120a + CD2	29 ± 36	0 ± 0	83 ± 101	264 ± 359	36 ± 51
CD120a + CD207	345 ± 179	20 ± 13	129 ± 75	114 ± 50	58 ± 39
CD120a + CD24	4 ± 6	0 ± 0	129 ± 135	44 ± 69	16 ± 21
CD120a + CD28	32 ± 42	0 ± 0	191 ± 228	323 ± 378	4 ± 6
CD120a + CD29	125 ± 67	22 ± 26	93 ± 52	64 ± 62	79 ± 23
CD120a + CD3	30 ± 38	0 ± 0	337 ± 326	527 ± 652	27 ± 38
CD120a + CD31	6 ± 2	0 ± 0	34 ± 30	10 ± 13	1 ± 1
CD120a + CD4	66 ± 53	0 ± 0	413 ± 453	446 ± 523	21 ± 29
CD120a + CD44	317 ± 115	54 ± 16	919 ± 720	588 ± 388	299 ± 181
CD120a + CD45	215 ± 175	2 ± 2	629 ± 725	336 ± 371	36 ± 51
CD120a + CD45RA	24 ± 33	0 ± 0	31 ± 34	86 ± 96	21 ± 27
CD120a + CD45RO	103 ± 117	0 ± 0	336 ± 345	469 ± 582	56 ± 79
CD120a + CD52	9 ± 4	0 ± 0	163 ± 193	371 ± 561	8 ± 11
CD120a + CD54	157 ± 199	0 ± 0	783 ± 710	489 ± 601	182 ± 253
CD120a + CD56	5 ± 6	0 ± 0	53 ± 44	9 ± 11	3 ± 5
CD120a + CD58	255 ± 57	22 ± 31	360 ± 324	349 ± 410	113 ± 117
CD120a + CD62E	2 ± 2	0 ± 0	5 ± 8	14 ± 18	1 ± 1
CD120a + CD62P	3 ± 1	0 ± 0	1 ± 1	0 ± 1	1 ± 0
CD120a + CD68	42 ± 42	18 ± 7	153 ± 129	132 ± 6	162 ± 138
CD120a + CD7	24 ± 29	0 ± 0	121 ± 129	214 ± 249	11 ± 15
CD120a + CD8a	7 ± 4	0 ± 0	19 ± 14	152 ± 227	38 ± 53
CD120a + CK14	836 ± 473	67 ± 18	291 ± 157	167 ± 128	367 ± 81
CD120a + CLA	199 ± 177	0 ± 0	70 ± 10	64 ± 23	36 ± 27
CD120a + c-myc	419 ± 296	34 ± 48	254 ± 226	46 ± 34	63 ± 39
CD120a + Collagen IV	75 ± 83	4 ± 2	259 ± 232	43 ± 21	38 ± 20
CD120a + FXIIIA	2 ± 1	0 ± 0	34 ± 25	36 ± 47	12 ± 8
CD120a + HLA-DR	619 ± 45	35 ± 19	927 ± 704	561 ± 318	295 ± 209
CD120a + IL-22R	254 ± 65	22 ± 15	14 ± 5	41 ± 28	90 ± 5
CD120a + IL-23R	509 ± 316	31 ± 37	401 ± 316	59 ± 9	69 ± 97
CD120a + Ki67	27 ± 24	6 ± 3	2 ± 4	5 ± 9	39 ± 38
CD120a + PI	241 ± 12	27 ± 2	157 ± 113	223 ± 159	137 ± 46
CD120a + Podoplanin	6 ± 1	0 ± 0	78 ± 64	6 ± 6	27 ± 39
CD120a + SNA1	300 ± 7	9 ± 2	266 ± 190	163 ± 72	83 ± 48
CD120a + STAT3	594 ± 426	35 ± 31	57 ± 45	10 ± 9	5 ± 5
CD120a + TIA1	11 ± 16	0 ± 0	30 ± 30	25 ± 27	3 ± 4
CD120a + Vimentin	395 ± 133	26 ± 20	342 ± 197	211 ± 28	262 ± 202

Tabelle 99: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	76 ± 96	68 ± 27	14 ± 22	180 ± 309	15 ± 10
CD120b + BCL2	99 ± 66	0 ± 0	312 ± 178	4418 ± 4835	62 ± 63
CD120b + CCR6	93 ± 113	36 ± 51	316 ± 228	1581 ± 1711	163 ± 227
CD120b + CD11a	1089 ± 715	45 ± 25	1473 ± 372	10094 ± 10489	883 ± 1035
CD120b + CD11b	213 ± 120	32 ± 31	158 ± 158	4076 ± 4542	633 ± 533
CD120b + CD120a	8 ± 7	0 ± 0	54 ± 73	262 ± 341	18 ± 22
CD120b + CD138	50 ± 63	26 ± 33	44 ± 56	12 ± 11	27 ± 29
CD120b + CD15	64 ± 57	99 ± 140	106 ± 155	8 ± 11	1 ± 1
CD120b + CD1a	42 ± 59	8 ± 9	26 ± 38	529 ± 477	38 ± 54
CD120b + CD2	439 ± 364	13 ± 15	1042 ± 357	11497 ± 12491	738 ± 952
CD120b + CD207	39 ± 47	1 ± 1	18 ± 8	729 ± 728	98 ± 139
CD120b + CD24	2083 ± 1202	1037 ± 802	572 ± 489	1923 ± 1159	1507 ± 432
CD120b + CD28	740 ± 645	11 ± 2	1480 ± 580	12039 ± 12705	733 ± 949
CD120b + CD29	1732 ± 817	229 ± 13	669 ± 356	1142 ± 696	825 ± 340
CD120b + CD3	1088 ± 855	323 ± 351	2070 ± 548	13531 ± 14374	1152 ± 1068
CD120b + CD31	68 ± 89	22 ± 20	108 ± 102	472 ± 427	36 ± 14
CD120b + CD4	905 ± 884	25 ± 35	1430 ± 506	12390 ± 13278	851 ± 952
CD120b + CD44	2960 ± 1753	1296 ± 978	2295 ± 311	8167 ± 6518	2175 ± 509
CD120b + CD45	1138 ± 1001	65 ± 34	1829 ± 1022	10340 ± 10875	682 ± 873
CD120b + CD45RA	1609 ± 1047	150 ± 30	540 ± 49	3115 ± 3332	907 ± 221
CD120b + CD45RO	422 ± 306	21 ± 29	1065 ± 322	11083 ± 11979	557 ± 780
CD120b + CD52	404 ± 7	215 ± 298	1327 ± 375	11116 ± 12902	760 ± 1069
CD120b + CD54	1559 ± 2008	237 ± 46	1349 ± 574	7836 ± 8756	1001 ± 511
CD120b + CD56	53 ± 45	54 ± 72	19 ± 7	103 ± 67	60 ± 24
CD120b + CD58	160 ± 11	84 ± 62	888 ± 731	6611 ± 7762	310 ± 330
CD120b + CD62E	5 ± 4	6 ± 9	14 ± 24	43 ± 37	2 ± 0
CD120b + CD62P	20 ± 21	17 ± 10	51 ± 45	30 ± 18	6 ± 4
CD120b + CD68	145 ± 175	25 ± 26	281 ± 176	936 ± 830	252 ± 325
CD120b + CD7	623 ± 605	20 ± 4	1495 ± 418	8856 ± 9899	723 ± 971
CD120b + CD8a	119 ± 2	107 ± 49	291 ± 137	5871 ± 7226	391 ± 486
CD120b + CK14	84 ± 73	13 ± 15	159 ± 185	46 ± 43	77 ± 89
CD120b + CLA	215 ± 200	21 ± 4	348 ± 32	1596 ± 1399	230 ± 253
CD120b + c-myc	105 ± 99	46 ± 65	101 ± 118	56 ± 48	63 ± 80
CD120b + Collagen IV	539 ± 536	381 ± 162	266 ± 130	585 ± 283	346 ± 249
CD120b + FXIIIA	17 ± 23	69 ± 71	35 ± 9	434 ± 378	22 ± 14
CD120b + HLA-DR	2430 ± 1080	1066 ± 738	1478 ± 375	6693 ± 4938	1744 ± 539
CD120b + IL-22R	1 ± 2	1 ± 1	18 ± 20	64 ± 68	9 ± 7
CD120b + IL-23R	7 ± 1	5 ± 2	54 ± 68	90 ± 98	2 ± 2
CD120b + Ki67	1 ± 0	1 ± 1	5 ± 7	21 ± 37	5 ± 6
CD120b + PI	1555 ± 1448	563 ± 279	924 ± 591	8728 ± 8062	1250 ± 625
CD120b + Podoplanin	290 ± 277	78 ± 80	229 ± 214	298 ± 308	169 ± 37
CD120b + SNA1	1564 ± 595	523 ± 217	502 ± 263	1159 ± 501	847 ± 365
CD120b + STAT3	17 ± 21	34 ± 32	9 ± 6	9 ± 7	4 ± 2
CD120b + TIA1	29 ± 21	33 ± 46	62 ± 53	1058 ± 1231	106 ± 147
CD120b + Vimentin	301 ± 219	134 ± 85	682 ± 173	1583 ± 1308	422 ± 555

Tabelle 100: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	178 ± 251	3441 ± 4866	54 ± 82	0 ± 0	5 ± 7
CD138 + BCL2	4482 ± 606	769 ± 352	2471 ± 4002	386 ± 223	302 ± 314
CD138 + CCR6	518 ± 364	656 ± 882	238 ± 56	299 ± 124	87 ± 35
CD138 + CD11a	2195 ± 2133	2 ± 2	312 ± 181	63 ± 91	408 ± 541
CD138 + CD11b	129 ± 116	7 ± 10	191 ± 170	63 ± 35	535 ± 733
CD138 + CD120a	573 ± 129	59 ± 3	102 ± 40	65 ± 54	169 ± 168
CD138 + CD120b	50 ± 63	26 ± 33	44 ± 56	12 ± 11	27 ± 29
CD138 + CD15	54 ± 77	208 ± 294	42 ± 63	19 ± 24	3 ± 3
CD138 + CD1a	4974 ± 236	969 ± 1314	514 ± 221	2140 ± 2565	730 ± 224
CD138 + CD2	2582 ± 3051	2 ± 2	615 ± 100	231 ± 268	497 ± 646
CD138 + CD207	2083 ± 421	588 ± 87	1260 ± 223	1328 ± 898	330 ± 32
CD138 + CD24	6 ± 9	31 ± 44	32 ± 29	176 ± 189	534 ± 751
CD138 + CD28	2099 ± 2744	5 ± 7	92 ± 37	58 ± 77	70 ± 99
CD138 + CD29	28144 ± 11791	9090 ± 4712	9213 ± 3322	5987 ± 4496	5488 ± 5323
CD138 + CD3	1788 ± 2182	69 ± 97	857 ± 311	308 ± 430	423 ± 560
CD138 + CD31	22 ± 7	40 ± 45	58 ± 90	3 ± 5	2 ± 2
CD138 + CD4	1647 ± 2233	5 ± 5	154 ± 109	36 ± 38	81 ± 108
CD138 + CD44	39008 ± 8376	8336 ± 3473	24314 ± 4017	21634 ± 22594	18013 ± 19772
CD138 + CD45	3389 ± 4085	26 ± 1	646 ± 517	64 ± 57	135 ± 184
CD138 + CD45RA	429 ± 584	317 ± 448	99 ± 59	24 ± 26	186 ± 214
CD138 + CD45RO	2216 ± 2745	293 ± 415	528 ± 200	332 ± 443	190 ± 243
CD138 + CD52	297 ± 357	174 ± 246	881 ± 1250	54 ± 48	37 ± 44
CD138 + CD54	4953 ± 6951	10 ± 15	494 ± 515	159 ± 169	1501 ± 2119
CD138 + CD56	216 ± 264	1089 ± 1539	121 ± 155	12 ± 13	64 ± 34
CD138 + CD58	26480 ± 12402	4983 ± 6389	6647 ± 5704	10150 ± 13164	11007 ± 11718
CD138 + CD62E	15 ± 21	73 ± 104	65 ± 112	18 ± 16	17 ± 10
CD138 + CD62P	9 ± 13	71 ± 101	67 ± 84	31 ± 37	22 ± 5
CD138 + CD68	667 ± 816	1057 ± 358	320 ± 171	107 ± 130	694 ± 537
CD138 + CD7	2172 ± 1917	9 ± 13	675 ± 209	108 ± 88	358 ± 493
CD138 + CD8a	703 ± 135	18 ± 23	260 ± 127	141 ± 199	382 ± 518
CD138 + CK14	113088 ± 21209	19692 ± 236	60569 ± 14872	46008 ± 40158	40428 ± 44940
CD138 + CLA	1191 ± 478	15 ± 21	370 ± 380	415 ± 536	502 ± 681
CD138 + c-myc	22813 ± 19648	11505 ± 16254	1642 ± 150	1823 ± 948	4620 ± 4449
CD138 + Collagen IV	1279 ± 301	746 ± 476	799 ± 72	209 ± 268	364 ± 510
CD138 + FXIIIA	229 ± 316	464 ± 654	149 ± 215	28 ± 25	34 ± 19
CD138 + HLA-DR	23058 ± 2555	4010 ± 1379	7525 ± 8463	7200 ± 6950	9177 ± 10329
CD138 + IL-22R	11032 ± 2011	3257 ± 3254	2213 ± 2825	1840 ± 1674	11184 ± 8957
CD138 + IL-23R	7872 ± 918	7344 ± 8799	986 ± 467	3001 ± 2294	359 ± 14
CD138 + Ki67	2845 ± 1441	1037 ± 807	1319 ± 2262	200 ± 125	1555 ± 2054
CD138 + PI	24291 ± 10269	9913 ± 1188	8849 ± 6412	11373 ± 13757	4364 ± 3963
CD138 + Podoplanin	1832 ± 2269	1767 ± 2497	5034 ± 5004	193 ± 327	1818 ± 2511
CD138 + SNA1	11291 ± 4057	2292 ± 906	2447 ± 2172	1838 ± 2099	1161 ± 1502
CD138 + STAT3	38700 ± 10792	16075 ± 4328	8983 ± 7443	5784 ± 4647	2881 ± 3178
CD138 + TIA1	140 ± 153	275 ± 389	45 ± 29	13 ± 17	50 ± 34
CD138 + Vimentin	6943 ± 4615	2574 ± 502	2945 ± 1757	1997 ± 1270	2992 ± 3602

Tabelle 101: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	106 ± 147	156 ± 221	25 ± 31	10 ± 11	6 ± 8
CD15 + BCL2	2 ± 3	12 ± 16	19 ± 15	7 ± 5	1 ± 2
CD15 + CCR6	46 ± 65	178 ± 252	69 ± 73	6 ± 8	1 ± 2
CD15 + CD11a	650 ± 875	3 ± 4	806 ± 640	10 ± 17	40 ± 57
CD15 + CD11b	1802 ± 2044	35 ± 49	6815 ± 6057	167 ± 142	205 ± 263
CD15 + CD120a	7 ± 10	0 ± 0	104 ± 130	5 ± 5	2 ± 2
CD15 + CD120b	64 ± 57	99 ± 140	106 ± 155	8 ± 11	1 ± 1
CD15 + CD138	54 ± 77	208 ± 294	42 ± 63	19 ± 24	3 ± 3
CD15 + CD1a	0 ± 0	7 ± 10	2 ± 4	14 ± 13	4 ± 6
CD15 + CD2	431 ± 596	2 ± 2	282 ± 241	20 ± 25	17 ± 24
CD15 + CD207	1 ± 1	1 ± 1	29 ± 48	8 ± 6	5 ± 7
CD15 + CD24	637 ± 375	184 ± 261	4610 ± 4088	117 ± 142	25 ± 36
CD15 + CD28	206 ± 268	5 ± 7	298 ± 275	9 ± 11	1 ± 1
CD15 + CD29	344 ± 448	189 ± 268	470 ± 312	63 ± 41	51 ± 65
CD15 + CD3	541 ± 734	65 ± 92	1133 ± 892	46 ± 60	62 ± 85
CD15 + CD31	112 ± 157	13 ± 18	647 ± 918	91 ± 99	9 ± 10
CD15 + CD4	719 ± 1008	0 ± 0	472 ± 377	13 ± 15	33 ± 39
CD15 + CD44	551 ± 523	231 ± 327	2289 ± 1822	77 ± 52	53 ± 44
CD15 + CD45	689 ± 945	5 ± 7	1066 ± 1081	17 ± 15	16 ± 23
CD15 + CD45RA	108 ± 121	178 ± 252	122 ± 74	24 ± 11	51 ± 72
CD15 + CD45RO	853 ± 1187	144 ± 203	1473 ± 1230	59 ± 73	25 ± 29
CD15 + CD52	182 ± 224	133 ± 188	666 ± 697	39 ± 43	44 ± 62
CD15 + CD54	1099 ± 1533	20 ± 28	1593 ± 1420	107 ± 87	77 ± 91
CD15 + CD56	55 ± 77	205 ± 290	68 ± 68	0 ± 0	1 ± 1
CD15 + CD58	33 ± 31	120 ± 170	329 ± 298	16 ± 17	6 ± 5
CD15 + CD62E	21 ± 14	30 ± 42	1208 ± 1873	160 ± 241	21 ± 7
CD15 + CD62P	80 ± 111	28 ± 40	283 ± 358	82 ± 109	24 ± 13
CD15 + CD68	150 ± 210	100 ± 142	554 ± 471	20 ± 17	31 ± 28
CD15 + CD7	595 ± 838	10 ± 14	258 ± 219	21 ± 22	32 ± 46
CD15 + CD8a	129 ± 150	6 ± 9	253 ± 252	26 ± 40	5 ± 7
CD15 + CK14	67 ± 94	43 ± 61	370 ± 492	20 ± 4	13 ± 8
CD15 + CLA	305 ± 270	16 ± 23	2182 ± 2571	32 ± 23	38 ± 54
CD15 + c-myc	145 ± 205	232 ± 327	488 ± 379	23 ± 22	48 ± 68
CD15 + Collagen IV	373 ± 521	73 ± 103	1391 ± 1496	82 ± 78	82 ± 116
CD15 + FXIIIA	165 ± 187	188 ± 266	398 ± 248	33 ± 52	11 ± 9
CD15 + HLA-DR	684 ± 627	250 ± 354	1612 ± 960	134 ± 118	101 ± 113
CD15 + IL-22R	0 ± 0	1 ± 1	8 ± 9	2 ± 2	0 ± 0
CD15 + IL-23R	16 ± 22	16 ± 23	532 ± 719	7 ± 8	0 ± 0
CD15 + Ki67	1 ± 2	0 ± 0	0 ± 0	6 ± 5	1 ± 2
CD15 + PI	617 ± 695	67 ± 94	1547 ± 2116	152 ± 151	110 ± 140
CD15 + Podoplanin	118 ± 149	224 ± 317	125 ± 108	2 ± 3	4 ± 2
CD15 + SNA1	1020 ± 1247	252 ± 357	2288 ± 2015	85 ± 52	74 ± 81
CD15 + STAT3	441 ± 612	204 ± 289	597 ± 898	1 ± 1	0 ± 0
CD15 + TIA1	412 ± 114	211 ± 298	3450 ± 2607	56 ± 44	157 ± 222
CD15 + Vimentin	180 ± 200	230 ± 325	1263 ± 1535	88 ± 82	41 ± 17

Tabelle 102: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	11 ± 5	0 ± 0	0 ± 0	2 ± 2
CD1a + BCL2	150 ± 61	66 ± 90	16 ± 6	239 ± 265	23 ± 3
CD1a + CCR6	42 ± 42	10 ± 7	40 ± 51	104 ± 74	28 ± 22
CD1a + CD11a	170 ± 220	29 ± 40	30 ± 21	448 ± 496	160 ± 226
CD1a + CD11b	7 ± 4	28 ± 39	31 ± 39	143 ± 115	140 ± 194
CD1a + CD120a	412 ± 223	15 ± 20	87 ± 65	99 ± 44	140 ± 128
CD1a + CD120b	42 ± 59	8 ± 9	26 ± 38	529 ± 477	38 ± 54
CD1a + CD138	4974 ± 236	969 ± 1314	514 ± 221	2140 ± 2565	730 ± 224
CD1a + CD15	0 ± 0	7 ± 10	2 ± 4	14 ± 13	4 ± 6
CD1a + CD2	132 ± 155	6 ± 8	61 ± 53	585 ± 586	192 ± 271
CD1a + CD207	1954 ± 552	240 ± 321	970 ± 700	2061 ± 1691	601 ± 2
CD1a + CD24	26 ± 36	5 ± 7	2 ± 4	53 ± 46	4 ± 5
CD1a + CD28	170 ± 195	9 ± 4	21 ± 33	552 ± 536	103 ± 146
CD1a + CD29	240 ± 229	767 ± 1061	261 ± 369	624 ± 555	190 ± 61
CD1a + CD3	120 ± 162	48 ± 46	85 ± 69	694 ± 594	185 ± 262
CD1a + CD31	3 ± 2	0 ± 0	0 ± 0	61 ± 102	3 ± 4
CD1a + CD4	129 ± 132	41 ± 57	141 ± 166	639 ± 550	144 ± 189
CD1a + CD44	1446 ± 368	718 ± 961	690 ± 597	2579 ± 2083	930 ± 234
CD1a + CD45	680 ± 686	53 ± 71	148 ± 176	489 ± 484	147 ± 203
CD1a + CD45RA	74 ± 105	27 ± 16	4 ± 4	35 ± 48	29 ± 42
CD1a + CD45RO	260 ± 296	7 ± 10	99 ± 98	689 ± 753	170 ± 240
CD1a + CD52	19 ± 5	23 ± 11	16 ± 21	458 ± 410	71 ± 100
CD1a + CD54	340 ± 474	42 ± 57	150 ± 181	503 ± 386	475 ± 668
CD1a + CD56	1 ± 1	7 ± 10	0 ± 0	6 ± 7	2 ± 3
CD1a + CD58	2794 ± 162	931 ± 1295	199 ± 166	2154 ± 1997	594 ± 116
CD1a + CD62E	0 ± 0	4 ± 5	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	5 ± 8	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	125 ± 165	200 ± 253	35 ± 26	113 ± 103	473 ± 47
CD1a + CD7	80 ± 64	7 ± 4	65 ± 60	324 ± 241	164 ± 232
CD1a + CD8a	17 ± 15	25 ± 34	8 ± 8	124 ± 124	89 ± 125
CD1a + CK14	5087 ± 4	940 ± 1279	1045 ± 697	3197 ± 2643	1247 ± 34
CD1a + CLA	479 ± 408	4 ± 3	105 ± 20	475 ± 472	117 ± 117
CD1a + c-myc	1552 ± 1881	22 ± 28	10 ± 16	115 ± 135	523 ± 714
CD1a + Collagen IV	6 ± 8	17 ± 24	3 ± 5	43 ± 43	22 ± 31
CD1a + FXIIIA	0 ± 0	7 ± 10	0 ± 0	9 ± 6	0 ± 0
CD1a + HLA-DR	3841 ± 859	474 ± 625	438 ± 350	2425 ± 1949	986 ± 314
CD1a + IL-22R	1264 ± 151	493 ± 692	24 ± 14	154 ± 113	472 ± 272
CD1a + IL-23R	682 ± 86	927 ± 1298	61 ± 40	153 ± 82	46 ± 61
CD1a + Ki67	68 ± 29	43 ± 61	2 ± 4	17 ± 30	103 ± 54
CD1a + PI	722 ± 201	355 ± 497	130 ± 94	1329 ± 1097	356 ± 74
CD1a + Podoplanin	18 ± 25	10 ± 7	84 ± 122	10 ± 13	63 ± 85
CD1a + SNA1	510 ± 74	188 ± 246	136 ± 133	584 ± 546	134 ± 155
CD1a + STAT3	3213 ± 748	967 ± 1333	296 ± 249	177 ± 172	56 ± 44
CD1a + TIA1	0 ± 0	7 ± 10	3 ± 6	21 ± 29	7 ± 4
CD1a + Vimentin	1335 ± 327	378 ± 499	387 ± 286	1374 ± 889	911 ± 280

Tabelle 103: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	468 ± 555	40 ± 50	51 ± 86	700 ± 1144	84 ± 118
CD2 + BCL2	1929 ± 1430	59 ± 75	6319 ± 4158	7551 ± 7231	607 ± 264
CD2 + CCR6	842 ± 1125	22 ± 31	3143 ± 2869	2559 ± 2679	869 ± 1208
CD2 + CD11a	11421 ± 8956	281 ± 118	21194 ± 11412	18620 ± 16805	9352 ± 11205
CD2 + CD11b	2535 ± 2270	149 ± 104	1079 ± 562	7668 ± 8007	4546 ± 5205
CD2 + CD120a	29 ± 36	0 ± 0	83 ± 101	264 ± 359	36 ± 51
CD2 + CD120b	439 ± 364	13 ± 15	1042 ± 357	11497 ± 12491	738 ± 952
CD2 + CD138	2582 ± 3051	2 ± 2	615 ± 100	231 ± 268	497 ± 646
CD2 + CD15	431 ± 596	2 ± 2	282 ± 241	20 ± 25	17 ± 24
CD2 + CD1a	132 ± 155	6 ± 8	61 ± 53	585 ± 586	192 ± 271
CD2 + CD207	172 ± 181	3 ± 4	284 ± 309	1021 ± 938	584 ± 814
CD2 + CD24	122 ± 135	6 ± 8	155 ± 80	307 ± 339	67 ± 59
CD2 + CD28	7005 ± 6126	82 ± 106	12962 ± 7376	23904 ± 22589	6509 ± 8444
CD2 + CD29	3919 ± 4737	41 ± 42	1197 ± 60	1567 ± 1500	960 ± 898
CD2 + CD3	10708 ± 9137	415 ± 37	21857 ± 10567	29672 ± 29063	10201 ± 12242
CD2 + CD31	672 ± 926	2 ± 3	361 ± 218	1512 ± 1400	121 ± 105
CD2 + CD4	10917 ± 10898	261 ± 226	19708 ± 13222	27690 ± 27073	9692 ± 12053
CD2 + CD44	10719 ± 10019	472 ± 104	15066 ± 5448	12586 ± 7924	6032 ± 6958
CD2 + CD45	12139 ± 10427	299 ± 37	19813 ± 11816	18464 ± 16925	6521 ± 8213
CD2 + CD45RA	1703 ± 1484	33 ± 5	3818 ± 2906	4006 ± 4644	1846 ± 2389
CD2 + CD45RO	9771 ± 8004	52 ± 43	15210 ± 5364	25006 ± 24667	5762 ± 7944
CD2 + CD52	5386 ± 2874	211 ± 138	13845 ± 7489	21533 ± 24241	6418 ± 8853
CD2 + CD54	8560 ± 11329	173 ± 105	12641 ± 9442	11611 ± 12194	5671 ± 6504
CD2 + CD56	443 ± 476	17 ± 21	442 ± 161	302 ± 240	121 ± 130
CD2 + CD58	797 ± 70	58 ± 81	5430 ± 7976	9310 ± 10867	1444 ± 1786
CD2 + CD62E	251 ± 291	0 ± 1	31 ± 41	125 ± 128	4 ± 6
CD2 + CD62P	398 ± 494	0 ± 0	17 ± 16	98 ± 80	7 ± 4
CD2 + CD68	1340 ± 1783	42 ± 42	3575 ± 2407	2548 ± 1834	2790 ± 3566
CD2 + CD7	7373 ± 7057	91 ± 80	13283 ± 7236	14763 ± 14067	4826 ± 6076
CD2 + CD8a	3358 ± 1857	357 ± 228	5784 ± 2587	11961 ± 12620	4155 ± 4987
CD2 + CK14	3484 ± 3874	24 ± 29	1397 ± 598	589 ± 460	1096 ± 1274
CD2 + CLA	2771 ± 2595	133 ± 24	3787 ± 1509	3674 ± 1835	2197 ± 2005
CD2 + c-myc	654 ± 534	7 ± 10	470 ± 367	96 ± 78	301 ± 304
CD2 + Collagen IV	1792 ± 2108	143 ± 129	1402 ± 668	1396 ± 1047	913 ± 1112
CD2 + FXIIIA	436 ± 472	131 ± 46	1608 ± 1113	1620 ± 1378	204 ± 189
CD2 + HLA-DR	8587 ± 5239	421 ± 118	9645 ± 3482	11345 ± 6836	6358 ± 7513
CD2 + IL-22R	103 ± 84	0 ± 0	106 ± 105	96 ± 79	148 ± 129
CD2 + IL-23R	71 ± 64	7 ± 9	262 ± 156	236 ± 207	20 ± 20
CD2 + Ki67	117 ± 47	0 ± 0	95 ± 138	34 ± 49	62 ± 53
CD2 + PI	10107 ± 8894	323 ± 83	13953 ± 8643	19310 ± 16541	8460 ± 10474
CD2 + Podoplanin	1374 ± 1770	11 ± 13	1281 ± 1185	526 ± 468	781 ± 1037
CD2 + SNA1	5996 ± 5711	262 ± 50	2803 ± 695	1934 ± 841	1111 ± 1115
CD2 + STAT3	408 ± 360	2 ± 0	183 ± 178	36 ± 7	24 ± 24
CD2 + TIA1	824 ± 666	6 ± 8	945 ± 200	2183 ± 2172	1291 ± 1625
CD2 + Vimentin	7059 ± 6642	407 ± 92	10921 ± 4891	4695 ± 1618	5386 ± 6919

Tabelle 104: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	5 ± 1	0 ± 0	0 ± 1	2 ± 3
CD207 + BCL2	139 ± 57	23 ± 10	170 ± 247	340 ± 378	17 ± 5
CD207 + CCR6	66 ± 83	6 ± 5	52 ± 46	132 ± 102	61 ± 59
CD207 + CD11a	231 ± 273	21 ± 30	256 ± 324	737 ± 720	431 ± 597
CD207 + CD11b	15 ± 9	17 ± 24	98 ± 95	164 ± 85	280 ± 396
CD207 + CD120a	345 ± 179	20 ± 13	129 ± 75	114 ± 50	58 ± 39
CD207 + CD120b	39 ± 47	1 ± 1	18 ± 8	729 ± 728	98 ± 139
CD207 + CD138	2083 ± 421	588 ± 87	1260 ± 223	1328 ± 898	330 ± 32
CD207 + CD15	1 ± 1	1 ± 1	29 ± 48	8 ± 6	5 ± 7
CD207 + CD1a	1954 ± 552	240 ± 321	970 ± 700	2061 ± 1691	601 ± 2
CD207 + CD2	172 ± 181	3 ± 4	284 ± 309	1021 ± 938	584 ± 814
CD207 + CD24	20 ± 28	0 ± 0	19 ± 31	25 ± 43	8 ± 12
CD207 + CD28	179 ± 199	3 ± 4	186 ± 294	997 ± 956	399 ± 564
CD207 + CD29	327 ± 338	297 ± 290	534 ± 293	447 ± 444	138 ± 66
CD207 + CD3	164 ± 178	26 ± 33	343 ± 295	1154 ± 868	584 ± 815
CD207 + CD31	7 ± 2	2 ± 2	20 ± 30	116 ± 193	10 ± 14
CD207 + CD4	202 ± 200	25 ± 33	317 ± 213	1090 ± 918	677 ± 953
CD207 + CD44	1132 ± 457	582 ± 149	1492 ± 456	2058 ± 930	901 ± 233
CD207 + CD45	698 ± 702	40 ± 49	367 ± 261	790 ± 665	383 ± 535
CD207 + CD45RA	96 ± 133	15 ± 21	6 ± 4	50 ± 53	52 ± 74
CD207 + CD45RO	366 ± 404	0 ± 0	336 ± 306	998 ± 1006	372 ± 526
CD207 + CD52	49 ± 5	14 ± 10	231 ± 304	772 ± 657	438 ± 619
CD207 + CD54	528 ± 736	25 ± 35	322 ± 246	613 ± 350	661 ± 934
CD207 + CD56	0 ± 0	0 ± 0	1 ± 2	7 ± 5	0 ± 1
CD207 + CD58	1074 ± 581	211 ± 297	276 ± 238	1283 ± 1103	316 ± 63
CD207 + CD62E	0 ± 0	1 ± 1	0 ± 0	0 ± 1	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	147 ± 198	324 ± 122	69 ± 60	114 ± 105	492 ± 23
CD207 + CD7	136 ± 146	2 ± 3	243 ± 201	563 ± 308	301 ± 420
CD207 + CD8a	9 ± 11	16 ± 23	47 ± 51	256 ± 190	143 ± 197
CD207 + CK14	2230 ± 397	623 ± 75	2513 ± 571	2211 ± 840	869 ± 565
CD207 + CLA	417 ± 278	1 ± 1	359 ± 387	589 ± 392	210 ± 199
CD207 + c-myc	688 ± 863	338 ± 479	53 ± 3	98 ± 124	309 ± 402
CD207 + Collagen IV	25 ± 30	26 ± 5	39 ± 31	51 ± 61	116 ± 165
CD207 + FXIIIA	1 ± 1	2 ± 3	2 ± 2	17 ± 4	1 ± 2
CD207 + HLA-DR	2349 ± 268	513 ± 71	1460 ± 972	2216 ± 892	1263 ± 286
CD207 + IL-22R	427 ± 243	142 ± 46	56 ± 56	133 ± 106	319 ± 290
CD207 + IL-23R	378 ± 113	265 ± 239	87 ± 15	134 ± 106	1 ± 1
CD207 + Ki67	85 ± 2	82 ± 39	41 ± 72	20 ± 31	103 ± 15
CD207 + PI	817 ± 375	328 ± 113	531 ± 264	1353 ± 814	794 ± 238
CD207 + Podoplanin	38 ± 54	3 ± 2	154 ± 134	9 ± 16	224 ± 317
CD207 + SNA1	665 ± 177	202 ± 125	341 ± 156	408 ± 205	116 ± 125
CD207 + STAT3	1290 ± 639	333 ± 303	554 ± 457	198 ± 152	17 ± 5
CD207 + TIA1	1 ± 1	0 ± 0	20 ± 22	38 ± 54	50 ± 69
CD207 + Vimentin	1201 ± 559	538 ± 78	990 ± 559	1210 ± 438	1112 ± 298

Tabelle 105: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	47 ± 64	58 ± 10	40 ± 64	10 ± 12	13 ± 1
CD24 + BCL2	0 ± 1	0 ± 0	20 ± 22	9 ± 8	2 ± 1
CD24 + CCR6	24 ± 34	38 ± 54	27 ± 21	15 ± 6	11 ± 0
CD24 + CD11a	644 ± 471	27 ± 20	819 ± 499	240 ± 234	176 ± 59
CD24 + CD11b	687 ± 507	51 ± 13	5780 ± 4310	318 ± 62	368 ± 91
CD24 + CD120a	4 ± 6	0 ± 0	129 ± 135	44 ± 69	16 ± 21
CD24 + CD120b	2083 ± 1202	1037 ± 802	572 ± 489	1923 ± 1159	1507 ± 432
CD24 + CD138	6 ± 9	31 ± 44	32 ± 29	176 ± 189	534 ± 751
CD24 + CD15	637 ± 375	184 ± 261	4610 ± 4088	117 ± 142	25 ± 36
CD24 + CD1a	26 ± 36	5 ± 7	2 ± 4	53 ± 46	4 ± 5
CD24 + CD2	122 ± 135	6 ± 8	155 ± 80	307 ± 339	67 ± 59
CD24 + CD207	20 ± 28	0 ± 0	19 ± 31	25 ± 43	8 ± 12
CD24 + CD28	361 ± 373	6 ± 1	337 ± 143	562 ± 464	87 ± 96
CD24 + CD29	1381 ± 557	201 ± 31	1032 ± 509	874 ± 450	1054 ± 229
CD24 + CD3	640 ± 574	266 ± 298	1173 ± 510	1149 ± 989	421 ± 18
CD24 + CD31	32 ± 46	11 ± 10	528 ± 568	74 ± 97	16 ± 9
CD24 + CD4	483 ± 594	13 ± 19	377 ± 228	466 ± 507	157 ± 25
CD24 + CD44	2245 ± 1187	1128 ± 750	2623 ± 782	2187 ± 714	2204 ± 30
CD24 + CD45	702 ± 741	44 ± 26	1002 ± 959	358 ± 217	71 ± 40
CD24 + CD45RA	1293 ± 744	146 ± 27	327 ± 208	786 ± 281	854 ± 11
CD24 + CD45RO	279 ± 376	25 ± 36	1519 ± 1216	314 ± 304	45 ± 55
CD24 + CD52	214 ± 0	183 ± 257	779 ± 466	675 ± 700	211 ± 291
CD24 + CD54	1170 ± 1583	189 ± 53	1592 ± 823	710 ± 583	665 ± 111
CD24 + CD56	38 ± 37	53 ± 73	29 ± 9	32 ± 20	76 ± 75
CD24 + CD58	65 ± 16	66 ± 28	331 ± 271	501 ± 626	150 ± 114
CD24 + CD62E	5 ± 7	18 ± 25	1440 ± 1932	106 ± 139	1 ± 1
CD24 + CD62P	8 ± 8	11 ± 14	378 ± 319	87 ± 106	3 ± 2
CD24 + CD68	76 ± 103	20 ± 23	480 ± 387	33 ± 23	86 ± 90
CD24 + CD7	466 ± 607	14 ± 13	202 ± 95	376 ± 203	79 ± 103
CD24 + CD8a	84 ± 10	77 ± 41	188 ± 134	219 ± 144	97 ± 70
CD24 + CK14	18 ± 25	14 ± 20	276 ± 246	211 ± 182	488 ± 690
CD24 + CLA	189 ± 94	22 ± 23	1867 ± 2233	106 ± 6	41 ± 10
CD24 + c-myc	55 ± 78	52 ± 74	320 ± 107	26 ± 16	56 ± 72
CD24 + Collagen IV	379 ± 408	304 ± 80	1396 ± 1154	258 ± 151	300 ± 59
CD24 + FXIIIA	31 ± 18	64 ± 78	256 ± 178	36 ± 34	45 ± 48
CD24 + HLA-DR	1928 ± 749	941 ± 581	1837 ± 158	1568 ± 377	1570 ± 49
CD24 + IL-22R	0 ± 0	0 ± 0	6 ± 5	6 ± 3	60 ± 85
CD24 + IL-23R	12 ± 17	2 ± 3	632 ± 543	7 ± 4	7 ± 8
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	41 ± 36	52 ± 73
CD24 + PI	1243 ± 1120	516 ± 197	1824 ± 1714	1040 ± 174	866 ± 248
CD24 + Podoplanin	212 ± 165	80 ± 80	118 ± 42	66 ± 87	352 ± 199
CD24 + SNA1	1371 ± 580	488 ± 220	2259 ± 1470	646 ± 273	825 ± 615
CD24 + STAT3	326 ± 459	38 ± 43	834 ± 716	7 ± 4	5 ± 7
CD24 + TIA1	210 ± 130	93 ± 131	3712 ± 2470	38 ± 32	49 ± 69
CD24 + Vimentin	74 ± 47	106 ± 86	1105 ± 1101	108 ± 89	99 ± 123

Tabelle 106: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	333 ± 397	19 ± 12	115 ± 197	496 ± 749	81 ± 84
CD28 + BCL2	1066 ± 631	2 ± 3	4159 ± 2981	6601 ± 6401	363 ± 268
CD28 + CCR6	637 ± 833	6 ± 8	2387 ± 2194	2275 ± 2409	679 ± 961
CD28 + CD11a	8468 ± 6306	97 ± 119	16657 ± 9700	17819 ± 16001	6533 ± 8064
CD28 + CD11b	1439 ± 913	37 ± 52	746 ± 62	6509 ± 6473	2823 ± 3127
CD28 + CD120a	32 ± 42	0 ± 0	191 ± 228	323 ± 378	4 ± 6
CD28 + CD120b	740 ± 645	11 ± 2	1480 ± 580	12039 ± 12705	733 ± 949
CD28 + CD138	2099 ± 2744	5 ± 7	92 ± 37	58 ± 77	70 ± 99
CD28 + CD15	206 ± 268	5 ± 7	298 ± 275	9 ± 11	1 ± 1
CD28 + CD1a	170 ± 195	9 ± 4	21 ± 33	552 ± 536	103 ± 146
CD28 + CD2	7005 ± 6126	82 ± 106	12962 ± 7376	23904 ± 22589	6509 ± 8444
CD28 + CD207	179 ± 199	3 ± 4	186 ± 294	997 ± 956	399 ± 564
CD28 + CD24	361 ± 373	6 ± 1	337 ± 143	562 ± 464	87 ± 96
CD28 + CD29	3507 ± 4201	18 ± 10	1015 ± 283	1327 ± 977	485 ± 373
CD28 + CD3	8616 ± 6744	117 ± 131	18221 ± 8964	27133 ± 24642	7403 ± 9066
CD28 + CD31	741 ± 969	1 ± 1	390 ± 187	1326 ± 1072	129 ± 89
CD28 + CD4	8458 ± 7347	100 ± 129	16202 ± 10296	26630 ± 24587	7637 ± 9441
CD28 + CD44	8423 ± 6937	112 ± 125	13489 ± 5609	12526 ± 8163	4252 ± 4977
CD28 + CD45	8643 ± 7040	84 ± 102	16728 ± 9634	17923 ± 16430	5070 ± 6397
CD28 + CD45RA	1547 ± 1171	16 ± 6	2751 ± 2378	3854 ± 4408	1073 ± 1482
CD28 + CD45RO	5925 ± 4670	17 ± 7	10199 ± 4064	21752 ± 20707	4087 ± 5704
CD28 + CD52	4015 ± 1864	42 ± 29	12399 ± 6725	20838 ± 23033	5195 ± 7232
CD28 + CD54	6690 ± 8339	59 ± 79	12032 ± 9507	11883 ± 11847	4727 ± 5469
CD28 + CD56	200 ± 106	7 ± 5	216 ± 126	246 ± 160	42 ± 50
CD28 + CD58	851 ± 243	37 ± 38	5955 ± 7911	9185 ± 10500	957 ± 1140
CD28 + CD62E	246 ± 301	3 ± 4	56 ± 78	116 ± 163	6 ± 4
CD28 + CD62P	334 ± 431	4 ± 6	74 ± 98	97 ± 133	15 ± 2
CD28 + CD68	642 ± 812	9 ± 6	2223 ± 1178	1889 ± 1455	1315 ± 1732
CD28 + CD7	5513 ± 5115	42 ± 53	10881 ± 6828	14025 ± 13404	3503 ± 4441
CD28 + CD8a	1302 ± 390	57 ± 77	3277 ± 2127	9821 ± 10592	2277 ± 2930
CD28 + CK14	2550 ± 3292	11 ± 3	171 ± 140	115 ± 95	165 ± 233
CD28 + CLA	1396 ± 1179	26 ± 35	2139 ± 1007	2719 ± 1520	1027 ± 1119
CD28 + c-myc	465 ± 444	5 ± 8	282 ± 66	71 ± 70	138 ± 183
CD28 + Collagen IV	1864 ± 1919	38 ± 46	1244 ± 588	1562 ± 813	829 ± 1015
CD28 + FXIIIA	156 ± 92	11 ± 6	917 ± 757	1202 ± 971	71 ± 47
CD28 + HLA-DR	7191 ± 4446	95 ± 100	8816 ± 3154	11134 ± 6765	4436 ± 5277
CD28 + IL-22R	106 ± 149	0 ± 0	85 ± 94	87 ± 85	24 ± 33
CD28 + IL-23R	57 ± 51	2 ± 2	200 ± 153	184 ± 182	4 ± 6
CD28 + Ki67	55 ± 14	0 ± 0	58 ± 98	24 ± 41	17 ± 1
CD28 + PI	6782 ± 5477	74 ± 90	9739 ± 7403	16832 ± 13666	5613 ± 7192
CD28 + Podoplanin	1159 ± 1423	12 ± 2	1228 ± 751	633 ± 625	923 ± 1237
CD28 + SNA1	5139 ± 4526	52 ± 47	2108 ± 1000	1957 ± 732	783 ± 665
CD28 + STAT3	289 ± 352	5 ± 7	49 ± 78	15 ± 12	11 ± 16
CD28 + TIA1	372 ± 252	5 ± 7	487 ± 97	1678 ± 1732	480 ± 660
CD28 + Vimentin	4218 ± 3534	85 ± 91	6450 ± 3525	3729 ± 1807	2934 ± 3853

Tabelle 107: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	7192 ± 1565	3412 ± 1515	4131 ± 5910	4002 ± 3478	4801 ± 2695
CD29 + BCL2	4513 ± 1005	268 ± 183	2419 ± 2863	1187 ± 809	647 ± 85
CD29 + CCR6	646 ± 804	535 ± 727	438 ± 181	405 ± 213	195 ± 137
CD29 + CD11a	4798 ± 4259	63 ± 58	1445 ± 532	493 ± 231	1123 ± 707
CD29 + CD11b	1367 ± 1298	105 ± 123	1173 ± 620	704 ± 377	1704 ± 167
CD29 + CD120a	125 ± 67	22 ± 26	93 ± 52	64 ± 62	79 ± 23
CD29 + CD120b	1732 ± 817	229 ± 13	669 ± 356	1142 ± 696	825 ± 340
CD29 + CD138	28144 ± 11791	9090 ± 4712	9213 ± 3322	5987 ± 4496	5488 ± 5323
CD29 + CD15	344 ± 448	189 ± 268	470 ± 312	63 ± 41	51 ± 65
CD29 + CD1a	240 ± 229	767 ± 1061	261 ± 369	624 ± 555	190 ± 61
CD29 + CD2	3919 ± 4737	41 ± 42	1197 ± 60	1567 ± 1500	960 ± 898
CD29 + CD207	327 ± 338	297 ± 290	534 ± 293	447 ± 444	138 ± 66
CD29 + CD24	1381 ± 557	201 ± 31	1032 ± 509	874 ± 450	1054 ± 229
CD29 + CD28	3507 ± 4201	18 ± 10	1015 ± 283	1327 ± 977	485 ± 373
CD29 + CD3	4553 ± 4865	473 ± 271	3001 ± 89	2735 ± 1798	1968 ± 16
CD29 + CD31	7097 ± 4703	1278 ± 696	6920 ± 4715	5667 ± 4480	5357 ± 669
CD29 + CD4	7184 ± 8355	283 ± 319	1291 ± 363	2335 ± 1448	2716 ± 769
CD29 + CD44	29139 ± 14143	6455 ± 5745	15887 ± 3194	10318 ± 1490	10616 ± 5418
CD29 + CD45	5120 ± 5641	82 ± 53	2098 ± 1197	846 ± 372	503 ± 337
CD29 + CD45RA	2489 ± 1689	319 ± 277	522 ± 145	460 ± 209	931 ± 267
CD29 + CD45RO	2872 ± 3371	247 ± 335	1007 ± 91	760 ± 605	392 ± 475
CD29 + CD52	1740 ± 1303	341 ± 440	2320 ± 1345	1977 ± 2179	472 ± 594
CD29 + CD54	16686 ± 13398	1442 ± 782	7517 ± 2690	5824 ± 3439	8720 ± 2540
CD29 + CD56	1040 ± 801	992 ± 1138	388 ± 165	129 ± 45	455 ± 55
CD29 + CD58	7442 ± 5558	4211 ± 5352	7004 ± 5121	8451 ± 7687	7247 ± 4667
CD29 + CD62E	1012 ± 331	40 ± 56	1241 ± 1558	824 ± 1070	525 ± 715
CD29 + CD62P	2415 ± 1500	499 ± 364	1682 ± 1421	1439 ± 997	2194 ± 564
CD29 + CD68	2716 ± 1563	1296 ± 252	1763 ± 2118	1829 ± 1439	4079 ± 2121
CD29 + CD7	3578 ± 3804	94 ± 108	1757 ± 446	1072 ± 723	583 ± 613
CD29 + CD8a	981 ± 237	122 ± 112	546 ± 142	530 ± 244	528 ± 484
CD29 + CK14	39165 ± 14263	10046 ± 6539	23345 ± 4244	15084 ± 7192	17004 ± 12840
CD29 + CLA	1026 ± 988	37 ± 10	596 ± 214	384 ± 53	470 ± 219
CD29 + c-myc	12295 ± 603	3211 ± 4535	8337 ± 1608	3644 ± 2933	9382 ± 10019
CD29 + Collagen IV	14358 ± 3386	2520 ± 1295	10531 ± 3668	5196 ± 2247	9743 ± 7979
CD29 + FXIIIA	600 ± 455	610 ± 111	386 ± 378	278 ± 240	600 ± 155
CD29 + HLA-DR	19844 ± 3661	4597 ± 3445	6961 ± 6238	7080 ± 1689	9852 ± 3907
CD29 + IL-22R	728 ± 153	2030 ± 2633	283 ± 150	336 ± 52	2176 ± 68
CD29 + IL-23R	1675 ± 1979	4269 ± 5737	665 ± 391	247 ± 60	90 ± 56
CD29 + Ki67	1569 ± 483	636 ± 857	322 ± 544	268 ± 202	860 ± 437
CD29 + PI	22136 ± 12155	5468 ± 3979	10139 ± 3942	10392 ± 2090	8073 ± 1947
CD29 + Podoplanin	4376 ± 4750	1416 ± 1704	9081 ± 7977	358 ± 537	3253 ± 3575
CD29 + SNA1	29183 ± 560	4303 ± 3166	12629 ± 5950	7886 ± 1535	9416 ± 2283
CD29 + STAT3	2929 ± 2471	9312 ± 5929	858 ± 980	123 ± 88	142 ± 59
CD29 + TIA1	536 ± 598	269 ± 332	543 ± 165	150 ± 104	212 ± 271
CD29 + Vimentin	13721 ± 4421	3409 ± 1603	8254 ± 2019	5325 ± 1504	7585 ± 6973

Tabelle 108: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	823 ± 1036	772 ± 592	270 ± 447	940 ± 1302	403 ± 326
CD3 + BCL2	1685 ± 993	128 ± 168	6539 ± 4578	7511 ± 7137	717 ± 62
CD3 + CCR6	839 ± 1105	100 ± 141	3434 ± 3039	2716 ± 2853	915 ± 1265
CD3 + CD11a	13299 ± 9041	632 ± 108	29992 ± 16123	19936 ± 17210	11490 ± 11014
CD3 + CD11b	2649 ± 2132	303 ± 147	2419 ± 389	9727 ± 9668	5990 ± 3777
CD3 + CD120a	30 ± 38	0 ± 0	337 ± 326	527 ± 652	27 ± 38
CD3 + CD120b	1088 ± 855	323 ± 351	2070 ± 548	13531 ± 14374	1152 ± 1068
CD3 + CD138	1788 ± 2182	69 ± 97	857 ± 311	308 ± 430	423 ± 560
CD3 + CD15	541 ± 734	65 ± 92	1133 ± 892	46 ± 60	62 ± 85
CD3 + CD1a	120 ± 162	48 ± 46	85 ± 69	694 ± 594	185 ± 262
CD3 + CD2	10708 ± 9137	415 ± 37	21857 ± 10567	29672 ± 29063	10201 ± 12242
CD3 + CD207	164 ± 178	26 ± 33	343 ± 295	1154 ± 868	584 ± 815
CD3 + CD24	640 ± 574	266 ± 298	1173 ± 510	1149 ± 989	421 ± 18
CD3 + CD28	8616 ± 6744	117 ± 131	18221 ± 8964	27133 ± 24642	7403 ± 9066
CD3 + CD29	4553 ± 4865	473 ± 271	3001 ± 89	2735 ± 1798	1968 ± 16
CD3 + CD31	1321 ± 1811	443 ± 477	1142 ± 604	2134 ± 1910	679 ± 522
CD3 + CD4	13260 ± 12029	614 ± 422	27838 ± 17826	33555 ± 31724	13502 ± 11199
CD3 + CD44	13740 ± 10968	3275 ± 3143	27420 ± 9820	21074 ± 13788	9268 ± 7366
CD3 + CD45	13488 ± 10269	833 ± 446	28570 ± 16622	20169 ± 17066	7548 ± 8525
CD3 + CD45RA	2577 ± 1914	220 ± 170	5059 ± 3679	5076 ± 5459	2367 ± 2840
CD3 + CD45RO	8418 ± 5952	122 ± 142	16646 ± 4926	26752 ± 26623	5443 ± 7521
CD3 + CD52	6306 ± 3063	1501 ± 1914	19437 ± 8818	25621 ± 29173	7622 ± 10416
CD3 + CD54	10367 ± 13186	1539 ± 1035	20048 ± 14735	16424 ± 16373	9099 ± 4546
CD3 + CD56	440 ± 427	88 ± 90	554 ± 276	515 ± 430	206 ± 79
CD3 + CD58	1010 ± 2	218 ± 185	9650 ± 12143	11654 ± 13179	2051 ± 1541
CD3 + CD62E	496 ± 680	12 ± 17	201 ± 174	309 ± 263	7 ± 8
CD3 + CD62P	767 ± 1070	99 ± 138	189 ± 105	261 ± 204	286 ± 384
CD3 + CD68	1078 ± 1405	192 ± 227	4223 ± 2206	3038 ± 2263	2771 ± 2790
CD3 + CD7	8162 ± 7595	131 ± 27	18312 ± 9895	16844 ± 14627	5837 ± 7070
CD3 + CD8a	2922 ± 1415	838 ± 379	7147 ± 3859	13176 ± 13548	4771 ± 5168
CD3 + CK14	2410 ± 2680	47 ± 27	2507 ± 1293	968 ± 858	1129 ± 1263
CD3 + CLA	2447 ± 2032	289 ± 242	4675 ± 1711	4230 ± 2123	2560 ± 1758
CD3 + c-myc	562 ± 434	216 ± 306	1369 ± 824	395 ± 327	386 ± 307
CD3 + Collagen IV	3098 ± 3163	1527 ± 1312	3406 ± 1169	2683 ± 1007	2103 ± 1304
CD3 + FXIIIA	427 ± 412	427 ± 335	1851 ± 1004	2308 ± 1804	292 ± 0
CD3 + HLA-DR	11132 ± 5697	2778 ± 2514	16723 ± 5270	18277 ± 10619	9801 ± 7556
CD3 + IL-22R	61 ± 76	2 ± 3	169 ± 149	143 ± 118	139 ± 117
CD3 + IL-23R	49 ± 25	19 ± 28	431 ± 260	215 ± 184	13 ± 18
CD3 + Ki67	100 ± 1	1 ± 1	143 ± 233	36 ± 55	98 ± 60
CD3 + PI	11211 ± 8555	1847 ± 1515	19582 ± 12930	24337 ± 18798	11609 ± 11098
CD3 + Podoplanin	1848 ± 2241	86 ± 64	3548 ± 2667	1062 ± 1090	1563 ± 1755
CD3 + SNA1	7425 ± 6162	2002 ± 2011	4878 ± 1279	3639 ± 1287	2295 ± 70
CD3 + STAT3	214 ± 239	60 ± 85	172 ± 205	25 ± 20	12 ± 17
CD3 + TIA1	956 ± 768	68 ± 97	1527 ± 438	2353 ± 2318	1359 ± 1702
CD3 + Vimentin	6926 ± 5725	1814 ± 1588	13619 ± 5563	7257 ± 3158	5956 ± 6662

Tabelle 109: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	4977 ± 3167	1660 ± 907	3431 ± 4340	4270 ± 4882	3767 ± 1674
CD31 + BCL2	163 ± 156	0 ± 1	874 ± 1225	476 ± 437	96 ± 39
CD31 + CCR6	22 ± 29	13 ± 18	36 ± 25	19 ± 24	13 ± 18
CD31 + CD11a	583 ± 684	34 ± 20	561 ± 686	343 ± 418	119 ± 113
CD31 + CD11b	356 ± 470	11 ± 7	1286 ± 1759	321 ± 231	504 ± 114
CD31 + CD120a	6 ± 2	0 ± 0	34 ± 30	10 ± 13	1 ± 1
CD31 + CD120b	68 ± 89	22 ± 20	108 ± 102	472 ± 427	36 ± 14
CD31 + CD138	22 ± 7	40 ± 45	58 ± 90	3 ± 5	2 ± 2
CD31 + CD15	112 ± 157	13 ± 18	647 ± 918	91 ± 99	9 ± 10
CD31 + CD1a	3 ± 2	0 ± 0	0 ± 0	61 ± 102	3 ± 4
CD31 + CD2	672 ± 926	2 ± 3	361 ± 218	1512 ± 1400	121 ± 105
CD31 + CD207	7 ± 2	2 ± 2	20 ± 30	116 ± 193	10 ± 14
CD31 + CD24	32 ± 46	11 ± 10	528 ± 568	74 ± 97	16 ± 9
CD31 + CD28	741 ± 969	1 ± 1	390 ± 187	1326 ± 1072	129 ± 89
CD31 + CD29	7097 ± 4703	1278 ± 696	6920 ± 4715	5667 ± 4480	5357 ± 669
CD31 + CD3	1321 ± 1811	443 ± 477	1142 ± 604	2134 ± 1910	679 ± 522
CD31 + CD4	3612 ± 4558	176 ± 185	823 ± 744	2540 ± 1714	1540 ± 989
CD31 + CD44	2723 ± 3272	1634 ± 80	1149 ± 761	861 ± 642	772 ± 751
CD31 + CD45	575 ± 766	7 ± 2	532 ± 562	401 ± 288	39 ± 51
CD31 + CD45RA	341 ± 279	39 ± 28	111 ± 94	135 ± 29	90 ± 107
CD31 + CD45RO	133 ± 155	1 ± 2	143 ± 120	604 ± 558	13 ± 18
CD31 + CD52	898 ± 1117	203 ± 285	1027 ± 195	2342 ± 2658	217 ± 303
CD31 + CD54	8349 ± 6829	1566 ± 26	8335 ± 2868	7560 ± 7369	5470 ± 715
CD31 + CD56	7 ± 10	20 ± 27	31 ± 22	82 ± 69	10 ± 10
CD31 + CD58	1669 ± 726	761 ± 1050	3011 ± 2428	5184 ± 6343	2486 ± 698
CD31 + CD62E	957 ± 687	2 ± 3	1419 ± 1477	1660 ± 2265	578 ± 791
CD31 + CD62P	2506 ± 2482	778 ± 668	1975 ± 1136	2244 ± 2268	2289 ± 672
CD31 + CD68	952 ± 111	470 ± 179	1189 ± 1666	1782 ± 1465	2190 ± 1262
CD31 + CD7	825 ± 1137	94 ± 132	361 ± 411	448 ± 251	66 ± 67
CD31 + CD8a	94 ± 115	34 ± 8	138 ± 115	250 ± 145	45 ± 52
CD31 + CK14	93 ± 78	37 ± 38	31 ± 27	4 ± 6	16 ± 23
CD31 + CLA	61 ± 74	2 ± 1	255 ± 259	73 ± 63	15 ± 4
CD31 + c-myc	309 ± 34	290 ± 411	1797 ± 3050	0 ± 0	2290 ± 3186
CD31 + Collagen IV	6531 ± 5036	1602 ± 152	8488 ± 2488	4574 ± 1836	4150 ± 1941
CD31 + FXIIIA	34 ± 23	153 ± 177	189 ± 138	146 ± 41	222 ± 6
CD31 + HLA-DR	4268 ± 2051	1703 ± 413	3166 ± 2425	3182 ± 862	2972 ± 170
CD31 + IL-22R	1 ± 1	26 ± 37	23 ± 37	42 ± 40	3 ± 4
CD31 + IL-23R	39 ± 55	3 ± 4	143 ± 102	127 ± 169	39 ± 56
CD31 + Ki67	15 ± 20	2 ± 3	16 ± 27	18 ± 32	5 ± 7
CD31 + PI	4390 ± 3410	995 ± 214	4076 ± 2352	5682 ± 4850	3114 ± 848
CD31 + Podoplanin	953 ± 825	95 ± 47	1314 ± 836	883 ± 902	235 ± 175
CD31 + SNA1	7832 ± 5739	1988 ± 102	8438 ± 3072	5536 ± 3107	4291 ± 887
CD31 + STAT3	6 ± 5	131 ± 82	76 ± 117	55 ± 81	49 ± 69
CD31 + TIA1	420 ± 572	37 ± 30	313 ± 213	135 ± 104	80 ± 112
CD31 + Vimentin	4266 ± 2095	1373 ± 248	6706 ± 2834	3365 ± 344	3205 ± 2731

Tabelle 110: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	2018 ± 2199	358 ± 434	131 ± 176	1006 ± 1156	894 ± 360
CD4 + BCL2	1675 ± 1238	22 ± 17	5182 ± 3338	7334 ± 7091	702 ± 18
CD4 + CCR6	881 ± 1177	16 ± 23	3237 ± 3071	2510 ± 2669	821 ± 1158
CD4 + CD11a	14273 ± 12526	328 ± 248	27239 ± 18585	19068 ± 16776	11031 ± 10864
CD4 + CD11b	4102 ± 4035	350 ± 432	1316 ± 93	9002 ± 8324	7436 ± 3224
CD4 + CD120a	66 ± 53	0 ± 0	413 ± 453	446 ± 523	21 ± 29
CD4 + CD120b	905 ± 884	25 ± 35	1430 ± 506	12390 ± 13278	851 ± 952
CD4 + CD138	1647 ± 2233	5 ± 5	154 ± 109	36 ± 38	81 ± 108
CD4 + CD15	719 ± 1008	0 ± 0	472 ± 377	13 ± 15	33 ± 39
CD4 + CD1a	129 ± 132	41 ± 57	141 ± 166	639 ± 550	144 ± 189
CD4 + CD2	10917 ± 10898	261 ± 226	19708 ± 13222	27690 ± 27073	9692 ± 12053
CD4 + CD207	202 ± 200	25 ± 33	317 ± 213	1090 ± 918	677 ± 953
CD4 + CD24	483 ± 594	13 ± 19	377 ± 228	466 ± 507	157 ± 25
CD4 + CD28	8458 ± 7347	100 ± 129	16202 ± 10296	26630 ± 24587	7637 ± 9441
CD4 + CD29	7184 ± 8355	283 ± 319	1291 ± 363	2335 ± 1448	2716 ± 769
CD4 + CD3	13260 ± 12029	614 ± 422	27838 ± 17826	33555 ± 31724	13502 ± 11199
CD4 + CD31	3612 ± 4558	176 ± 185	823 ± 744	2540 ± 1714	1540 ± 989
CD4 + CD44	17169 ± 17308	988 ± 847	19946 ± 8787	15890 ± 9817	9205 ± 5593
CD4 + CD45	14719 ± 13922	372 ± 205	25810 ± 19339	19308 ± 17053	7021 ± 8149
CD4 + CD45RA	2936 ± 2962	53 ± 69	5227 ± 4437	4315 ± 4944	1964 ± 2357
CD4 + CD45RO	9244 ± 8134	37 ± 21	14129 ± 6008	24893 ± 24431	5639 ± 7885
CD4 + CD52	6058 ± 3920	199 ± 83	16361 ± 11436	23724 ± 26956	7361 ± 10146
CD4 + CD54	17630 ± 22595	575 ± 608	19883 ± 15057	15490 ± 14197	12076 ± 3987
CD4 + CD56	1052 ± 1231	14 ± 18	637 ± 378	424 ± 344	374 ± 118
CD4 + CD58	1211 ± 121	232 ± 329	8743 ± 12481	11134 ± 12597	2219 ± 834
CD4 + CD62E	711 ± 863	0 ± 0	78 ± 76	291 ± 266	51 ± 49
CD4 + CD62P	1223 ± 1569	17 ± 14	68 ± 58	266 ± 168	496 ± 404
CD4 + CD68	2546 ± 3244	90 ± 19	4147 ± 2640	3246 ± 2230	3511 ± 3056
CD4 + CD7	7867 ± 8391	62 ± 86	14486 ± 10127	15056 ± 13995	4717 ± 5751
CD4 + CD8a	1907 ± 1462	271 ± 343	4288 ± 3729	10321 ± 11595	3161 ± 3699
CD4 + CK14	2275 ± 2912	5 ± 7	683 ± 816	84 ± 66	383 ± 499
CD4 + CLA	2403 ± 2321	72 ± 37	3506 ± 1608	3217 ± 1759	2076 ± 1493
CD4 + c-myc	1131 ± 1130	14 ± 20	1042 ± 960	103 ± 106	986 ± 1073
CD4 + Collagen IV	6607 ± 7535	509 ± 581	2770 ± 1771	2523 ± 974	3720 ± 1817
CD4 + FXIIIA	1047 ± 1208	298 ± 304	1970 ± 1518	2203 ± 1462	725 ± 309
CD4 + HLA-DR	14347 ± 11379	980 ± 860	13490 ± 4822	14504 ± 7894	11121 ± 6059
CD4 + IL-22R	50 ± 61	0 ± 0	133 ± 172	102 ± 103	37 ± 44
CD4 + IL-23R	52 ± 5	2 ± 0	500 ± 340	293 ± 257	38 ± 50
CD4 + Ki67	100 ± 50	0 ± 0	74 ± 111	28 ± 38	72 ± 9
CD4 + PI	13421 ± 13025	636 ± 599	16429 ± 13436	20871 ± 16844	12076 ± 10171
CD4 + Podoplanin	2243 ± 2805	25 ± 32	2313 ± 1777	732 ± 679	1845 ± 2172
CD4 + SNA1	12192 ± 12494	575 ± 436	3597 ± 57	3141 ± 915	3886 ± 812
CD4 + STAT3	158 ± 181	6 ± 8	100 ± 157	22 ± 21	14 ± 17
CD4 + TIA1	923 ± 912	0 ± 0	739 ± 266	1883 ± 1976	927 ± 1235
CD4 + Vimentin	9351 ± 8999	696 ± 538	12123 ± 7117	5855 ± 2414	6614 ± 6490

Tabelle 111: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	3120 ± 3575	3176 ± 1275	502 ± 826	798 ± 1230	605 ± 490
CD44 + BCL2	3392 ± 1023	530 ± 4	6466 ± 6241	3438 ± 1964	829 ± 356
CD44 + CCR6	1406 ± 1809	339 ± 439	2943 ± 2160	2232 ± 1796	1055 ± 1233
CD44 + CD11a	17347 ± 10343	760 ± 202	24724 ± 7757	9954 ± 5900	8228 ± 7350
CD44 + CD11b	5445 ± 1101	1042 ± 39	4762 ± 332	7821 ± 2319	10100 ± 3723
CD44 + CD120a	317 ± 115	54 ± 16	919 ± 720	588 ± 388	299 ± 181
CD44 + CD120b	2960 ± 1753	1296 ± 978	2295 ± 311	8167 ± 6518	2175 ± 509
CD44 + CD138	39008 ± 8376	8336 ± 3473	24314 ± 4017	21634 ± 22594	18013 ± 19772
CD44 + CD15	551 ± 523	231 ± 327	2289 ± 1822	77 ± 52	53 ± 44
CD44 + CD1a	1446 ± 368	718 ± 961	690 ± 597	2579 ± 2083	930 ± 234
CD44 + CD2	10719 ± 10019	472 ± 104	15066 ± 5448	12586 ± 7924	6032 ± 6958
CD44 + CD207	1132 ± 457	582 ± 149	1492 ± 456	2058 ± 930	901 ± 233
CD44 + CD24	2245 ± 1187	1128 ± 750	2623 ± 782	2187 ± 714	2204 ± 30
CD44 + CD28	8423 ± 6937	112 ± 125	13489 ± 5609	12526 ± 8163	4252 ± 4977
CD44 + CD29	29139 ± 14143	6455 ± 5745	15887 ± 3194	10318 ± 1490	10616 ± 5418
CD44 + CD3	13740 ± 10968	3275 ± 3143	27420 ± 9820	21074 ± 13788	9268 ± 7366
CD44 + CD31	2723 ± 3272	1634 ± 80	1149 ± 761	861 ± 642	772 ± 751
CD44 + CD4	17169 ± 17308	988 ± 847	19946 ± 8787	15890 ± 9817	9205 ± 5593
CD44 + CD45	17960 ± 14451	967 ± 531	22425 ± 8466	10691 ± 3572	5213 ± 5434
CD44 + CD45RA	6530 ± 4697	754 ± 250	5405 ± 1580	3713 ± 1898	3863 ± 2980
CD44 + CD45RO	8991 ± 7022	196 ± 241	12902 ± 2767	12207 ± 8626	3236 ± 4389
CD44 + CD52	6701 ± 2825	1959 ± 2551	16011 ± 3526	11641 ± 9746	4918 ± 6609
CD44 + CD54	24502 ± 31059	4329 ± 332	20056 ± 9401	13435 ± 7921	11932 ± 3959
CD44 + CD56	1798 ± 1782	1141 ± 406	844 ± 337	708 ± 125	704 ± 128
CD44 + CD58	13736 ± 8772	5003 ± 6838	14011 ± 12559	16037 ± 13716	12747 ± 12542
CD44 + CD62E	552 ± 633	52 ± 73	236 ± 208	73 ± 22	16 ± 18
CD44 + CD62P	1275 ± 1545	770 ± 622	186 ± 185	332 ± 501	313 ± 382
CD44 + CD68	3524 ± 4249	2143 ± 1496	4996 ± 848	3476 ± 953	5203 ± 2861
CD44 + CD7	8896 ± 8262	241 ± 180	14653 ± 6725	9871 ± 3438	4200 ± 4955
CD44 + CD8a	3950 ± 1710	1121 ± 339	5938 ± 2740	5833 ± 2923	3537 ± 3601
CD44 + CK14	48851 ± 13648	9114 ± 3896	44128 ± 8587	32300 ± 22019	33105 ± 28684
CD44 + CLA	3687 ± 2420	511 ± 374	4862 ± 1365	3742 ± 697	2851 ± 1987
CD44 + c-myc	8754 ± 3267	4582 ± 6479	5341 ± 2392	2333 ± 1667	6305 ± 192
CD44 + Collagen IV	11408 ± 7667	7850 ± 1330	6157 ± 1056	3889 ± 3061	5347 ± 3464
CD44 + FXIIIA	4023 ± 2467	3163 ± 443	2817 ± 2225	3509 ± 1754	2867 ± 2833
CD44 + HLA-DR	47654 ± 12621	19576 ± 4486	31044 ± 14131	34383 ± 3207	32414 ± 15759
CD44 + IL-22R	2325 ± 363	2410 ± 2219	1454 ± 1431	1178 ± 635	8590 ± 4017
CD44 + IL-23R	1906 ± 1837	4525 ± 5340	1225 ± 700	845 ± 482	129 ± 30
CD44 + Ki67	1889 ± 527	453 ± 341	968 ± 1648	402 ± 437	1399 ± 1377
CD44 + PI	29234 ± 20459	9590 ± 959	23326 ± 9682	24830 ± 6744	15759 ± 8181
CD44 + Podoplanin	7521 ± 8724	1679 ± 439	13624 ± 11866	1174 ± 1378	6269 ± 3729
CD44 + SNA1	30373 ± 5241	13746 ± 742	10893 ± 4108	8928 ± 2772	8634 ± 644
CD44 + STAT3	6485 ± 5290	6915 ± 6074	3024 ± 2835	1598 ± 1603	447 ± 333
CD44 + TIA1	1363 ± 916	186 ± 159	1815 ± 655	1081 ± 696	1016 ± 1184
CD44 + Vimentin	23975 ± 10522	16671 ± 3064	19308 ± 7046	18208 ± 8667	17161 ± 5068

Tabelle 112: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	487 ± 580	69 ± 43	31 ± 45	134 ± 179	22 ± 31
CD45 + BCL2	1755 ± 1105	84 ± 105	5392 ± 3550	6102 ± 5788	407 ± 230
CD45 + CCR6	986 ± 1309	42 ± 59	3122 ± 2953	2025 ± 2052	749 ± 1056
CD45 + CD11a	17138 ± 11766	472 ± 73	28864 ± 17934	16508 ± 14213	7436 ± 8502
CD45 + CD11b	4714 ± 3341	232 ± 149	2314 ± 703	6144 ± 5457	3702 ± 3592
CD45 + CD120a	215 ± 175	2 ± 2	629 ± 725	336 ± 371	36 ± 51
CD45 + CD120b	1138 ± 1001	65 ± 34	1829 ± 1022	10340 ± 10875	682 ± 873
CD45 + CD138	3389 ± 4085	26 ± 1	646 ± 517	64 ± 57	135 ± 184
CD45 + CD15	689 ± 945	5 ± 7	1066 ± 1081	17 ± 15	16 ± 23
CD45 + CD1a	680 ± 686	53 ± 71	148 ± 176	489 ± 484	147 ± 203
CD45 + CD2	12139 ± 10427	299 ± 37	19813 ± 11816	18464 ± 16925	6521 ± 8213
CD45 + CD207	698 ± 702	40 ± 49	367 ± 261	790 ± 665	383 ± 535
CD45 + CD24	702 ± 741	44 ± 26	1002 ± 959	358 ± 217	71 ± 40
CD45 + CD28	8643 ± 7040	84 ± 102	16728 ± 9634	17923 ± 16430	5070 ± 6397
CD45 + CD29	5120 ± 5641	82 ± 53	2098 ± 1197	846 ± 372	503 ± 337
CD45 + CD3	13488 ± 10269	833 ± 446	28570 ± 16622	20169 ± 17066	7548 ± 8525
CD45 + CD31	575 ± 766	7 ± 2	532 ± 562	401 ± 288	39 ± 51
CD45 + CD4	14719 ± 13922	372 ± 205	25810 ± 19339	19308 ± 17053	7021 ± 8149
CD45 + CD44	17960 ± 14451	967 ± 531	22425 ± 8466	10691 ± 3572	5213 ± 5434
CD45 + CD45RA	3550 ± 2990	117 ± 37	5578 ± 4065	3690 ± 3878	1501 ± 1936
CD45 + CD45RO	11655 ± 9021	67 ± 66	15427 ± 5129	17486 ± 16511	4247 ± 5849
CD45 + CD52	6133 ± 2298	547 ± 577	18052 ± 9628	16664 ± 17654	5049 ± 6933
CD45 + CD54	13526 ± 17386	435 ± 27	18852 ± 14433	10182 ± 8874	4903 ± 5099
CD45 + CD56	588 ± 509	10 ± 4	431 ± 229	133 ± 91	60 ± 29
CD45 + CD58	1450 ± 158	105 ± 146	9864 ± 11841	7895 ± 8831	1075 ± 1228
CD45 + CD62E	138 ± 188	1 ± 1	50 ± 44	30 ± 19	1 ± 1
CD45 + CD62P	237 ± 329	3 ± 4	54 ± 24	13 ± 11	4 ± 5
CD45 + CD68	2061 ± 2670	64 ± 53	4017 ± 2189	1508 ± 1064	1670 ± 2137
CD45 + CD7	8503 ± 7864	98 ± 53	15853 ± 9946	13758 ± 11544	4074 ± 5029
CD45 + CD8a	3783 ± 1702	441 ± 77	6641 ± 3821	9858 ± 10044	3085 ± 3598
CD45 + CK14	4341 ± 4733	24 ± 29	1737 ± 1799	142 ± 114	275 ± 375
CD45 + CLA	3176 ± 2532	169 ± 103	3907 ± 1251	2652 ± 690	1383 ± 1227
CD45 + c-myc	1226 ± 858	16 ± 23	1208 ± 1224	53 ± 60	134 ± 161
CD45 + Collagen IV	2999 ± 2862	235 ± 2	2249 ± 1382	711 ± 81	601 ± 693
CD45 + FXIIIA	637 ± 664	153 ± 77	1662 ± 1142	829 ± 363	133 ± 31
CD45 + HLA-DR	15626 ± 8974	870 ± 446	14592 ± 4009	9481 ± 2695	5014 ± 5297
CD45 + IL-22R	233 ± 225	3 ± 5	181 ± 143	84 ± 69	55 ± 64
CD45 + IL-23R	211 ± 179	19 ± 10	557 ± 456	133 ± 90	23 ± 30
CD45 + Ki67	167 ± 37	4 ± 5	79 ± 124	26 ± 39	27 ± 12
CD45 + PI	13115 ± 10159	611 ± 193	16916 ± 12675	13518 ± 8810	5619 ± 6688
CD45 + Podoplanin	1750 ± 2127	24 ± 18	2406 ± 2204	318 ± 357	652 ± 652
CD45 + SNA1	10087 ± 8296	515 ± 332	3439 ± 328	1392 ± 334	950 ± 779
CD45 + STAT3	736 ± 793	18 ± 12	111 ± 148	15 ± 3	10 ± 13
CD45 + TIA1	915 ± 483	12 ± 17	1372 ± 586	1787 ± 1749	870 ± 1084
CD45 + Vimentin	9246 ± 7753	661 ± 282	10959 ± 5601	3123 ± 1051	3364 ± 4068

Tabelle 113: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	524 ± 548	335 ± 303	42 ± 69	59 ± 57	118 ± 144
CD45RA + BCL2	323 ± 234	38 ± 50	1283 ± 851	1670 ± 1964	154 ± 108
CD45RA + CCR6	541 ± 732	481 ± 681	673 ± 572	456 ± 560	330 ± 358
CD45RA + CD11a	3812 ± 2570	104 ± 38	6150 ± 3861	3757 ± 3992	2560 ± 3161
CD45RA + CD11b	739 ± 199	77 ± 28	398 ± 127	1920 ± 1948	2055 ± 2099
CD45RA + CD120a	24 ± 33	0 ± 0	31 ± 34	86 ± 96	21 ± 27
CD45RA + CD120b	1609 ± 1047	150 ± 30	540 ± 49	3115 ± 3332	907 ± 221
CD45RA + CD138	429 ± 584	317 ± 448	99 ± 59	24 ± 26	186 ± 214
CD45RA + CD15	108 ± 121	178 ± 252	122 ± 74	24 ± 11	51 ± 72
CD45RA + CD1a	74 ± 105	27 ± 16	4 ± 4	35 ± 48	29 ± 42
CD45RA + CD2	1703 ± 1484	33 ± 5	3818 ± 2906	4006 ± 4644	1846 ± 2389
CD45RA + CD207	96 ± 133	15 ± 21	6 ± 4	50 ± 53	52 ± 74
CD45RA + CD24	1293 ± 744	146 ± 27	327 ± 208	786 ± 281	854 ± 11
CD45RA + CD28	1547 ± 1171	16 ± 6	2751 ± 2378	3854 ± 4408	1073 ± 1482
CD45RA + CD29	2489 ± 1689	319 ± 277	522 ± 145	460 ± 209	931 ± 267
CD45RA + CD3	2577 ± 1914	220 ± 170	5059 ± 3679	5076 ± 5459	2367 ± 2840
CD45RA + CD31	341 ± 279	39 ± 28	111 ± 94	135 ± 29	90 ± 107
CD45RA + CD4	2936 ± 2962	53 ± 69	5227 ± 4437	4315 ± 4944	1964 ± 2357
CD45RA + CD44	6530 ± 4697	754 ± 250	5405 ± 1580	3713 ± 1898	3863 ± 2980
CD45RA + CD45	3550 ± 2990	117 ± 37	5578 ± 4065	3690 ± 3878	1501 ± 1936
CD45RA + CD45RO	1033 ± 780	274 ± 382	2073 ± 1421	3385 ± 4163	635 ± 793
CD45RA + CD52	1370 ± 363	295 ± 350	3737 ± 2991	3963 ± 4971	1710 ± 2387
CD45RA + CD54	4303 ± 5196	185 ± 103	4390 ± 3528	2898 ± 3268	1962 ± 1910
CD45RA + CD56	529 ± 551	466 ± 570	242 ± 112	126 ± 108	269 ± 139
CD45RA + CD58	342 ± 40	276 ± 139	2096 ± 2895	2329 ± 2867	589 ± 727
CD45RA + CD62E	32 ± 27	35 ± 50	9 ± 13	29 ± 24	5 ± 8
CD45RA + CD62P	132 ± 138	66 ± 7	9 ± 10	45 ± 43	24 ± 6
CD45RA + CD68	735 ± 827	111 ± 157	1590 ± 967	450 ± 314	1063 ± 1108
CD45RA + CD7	2030 ± 2247	79 ± 28	3302 ± 2817	3366 ± 3544	1667 ± 2226
CD45RA + CD8a	975 ± 446	123 ± 19	1480 ± 981	2747 ± 2978	1360 ± 1600
CD45RA + CK14	483 ± 533	22 ± 32	274 ± 307	43 ± 36	565 ± 702
CD45RA + CLA	1147 ± 932	83 ± 0	1602 ± 863	876 ± 611	971 ± 764
CD45RA + c-myc	567 ± 606	521 ± 736	444 ± 503	46 ± 26	323 ± 358
CD45RA + Collagen IV	1520 ± 1192	189 ± 50	579 ± 215	270 ± 79	943 ± 1055
CD45RA + FXIIIA	481 ± 506	497 ± 561	437 ± 59	214 ± 199	315 ± 86
CD45RA + HLA-DR	5675 ± 2980	792 ± 369	3751 ± 780	3143 ± 1625	3779 ± 3149
CD45RA + IL-22R	8 ± 10	1 ± 1	34 ± 41	21 ± 27	72 ± 102
CD45RA + IL-23R	3 ± 3	19 ± 27	64 ± 14	25 ± 20	35 ± 20
CD45RA + Ki67	27 ± 33	0 ± 0	28 ± 41	1 ± 2	50 ± 67
CD45RA + PI	4121 ± 3384	367 ± 2	4303 ± 2341	3683 ± 3191	3194 ± 3424
CD45RA + Podoplanin	1133 ± 871	571 ± 719	571 ± 362	90 ± 103	384 ± 5
CD45RA + SNA1	3651 ± 2220	525 ± 386	784 ± 82	508 ± 194	1047 ± 179
CD45RA + STAT3	162 ± 198	474 ± 629	87 ± 96	6 ± 6	51 ± 52
CD45RA + TIA1	589 ± 484	332 ± 403	350 ± 24	810 ± 751	717 ± 904
CD45RA + Vimentin	2132 ± 1719	584 ± 563	2290 ± 998	594 ± 55	1824 ± 2003

Tabelle 114: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	195 ± 220	253 ± 358	64 ± 102	158 ± 266	8 ± 11
CD45RO + BCL2	1348 ± 628	13 ± 18	5067 ± 3793	6795 ± 6653	276 ± 333
CD45RO + CCR6	746 ± 996	280 ± 395	2286 ± 1832	2369 ± 2506	611 ± 814
CD45RO + CD11a	10174 ± 6730	41 ± 30	15825 ± 5424	17644 ± 16330	5228 ± 7211
CD45RO + CD11b	3317 ± 3087	16 ± 15	3137 ± 999	8011 ± 8189	2554 ± 3492
CD45RO + CD120a	103 ± 117	0 ± 0	336 ± 345	469 ± 582	56 ± 79
CD45RO + CD120b	422 ± 306	21 ± 29	1065 ± 322	11083 ± 11979	557 ± 780
CD45RO + CD138	2216 ± 2745	293 ± 415	528 ± 200	332 ± 443	190 ± 243
CD45RO + CD15	853 ± 1187	144 ± 203	1473 ± 1230	59 ± 73	25 ± 29
CD45RO + CD1a	260 ± 296	7 ± 10	99 ± 98	689 ± 753	170 ± 240
CD45RO + CD2	9771 ± 8004	52 ± 43	15210 ± 5364	25006 ± 24667	5762 ± 7944
CD45RO + CD207	366 ± 404	0 ± 0	336 ± 306	998 ± 1006	372 ± 526
CD45RO + CD24	279 ± 376	25 ± 36	1519 ± 1216	314 ± 304	45 ± 55
CD45RO + CD28	5925 ± 4670	17 ± 7	10199 ± 4064	21752 ± 20707	4087 ± 5704
CD45RO + CD29	2872 ± 3371	247 ± 335	1007 ± 91	760 ± 605	392 ± 475
CD45RO + CD3	8418 ± 5952	122 ± 142	16646 ± 4926	26752 ± 26623	5443 ± 7521
CD45RO + CD31	133 ± 155	1 ± 2	143 ± 120	604 ± 558	13 ± 18
CD45RO + CD4	9244 ± 8134	37 ± 21	14129 ± 6008	24893 ± 24431	5639 ± 7885
CD45RO + CD44	8991 ± 7022	196 ± 241	12902 ± 2767	12207 ± 8626	3236 ± 4389
CD45RO + CD45	11655 ± 9021	67 ± 66	15427 ± 5129	17486 ± 16511	4247 ± 5849
CD45RO + CD45RA	1033 ± 780	274 ± 382	2073 ± 1421	3385 ± 4163	635 ± 793
CD45RO + CD52	4094 ± 1268	192 ± 267	10869 ± 4438	19092 ± 21829	3564 ± 5019
CD45RO + CD54	7624 ± 9931	13 ± 18	9123 ± 4967	10752 ± 11587	3111 ± 4322
CD45RO + CD56	385 ± 246	321 ± 434	295 ± 207	211 ± 161	76 ± 8
CD45RO + CD58	715 ± 34	165 ± 234	3911 ± 4988	8261 ± 9036	760 ± 1061
CD45RO + CD62E	21 ± 14	33 ± 47	593 ± 537	110 ± 75	11 ± 7
CD45RO + CD62P	31 ± 26	30 ± 43	215 ± 174	53 ± 34	19 ± 10
CD45RO + CD68	1441 ± 1847	107 ± 152	2985 ± 1074	2282 ± 1789	1445 ± 1943
CD45RO + CD7	5526 ± 4720	10 ± 15	9573 ± 4053	13392 ± 13808	2790 ± 3867
CD45RO + CD8a	1919 ± 594	29 ± 38	3530 ± 1493	10198 ± 11610	1694 ± 2276
CD45RO + CK14	2694 ± 3112	23 ± 32	1090 ± 154	724 ± 610	319 ± 452
CD45RO + CLA	2214 ± 1945	33 ± 47	3195 ± 1259	2848 ± 1819	867 ± 1193
CD45RO + c-myc	664 ± 585	321 ± 454	394 ± 165	187 ± 162	113 ± 114
CD45RO + Collagen IV	1289 ± 1063	30 ± 31	977 ± 322	809 ± 521	370 ± 509
CD45RO + FXIIIA	421 ± 417	326 ± 442	1247 ± 394	1398 ± 1201	131 ± 55
CD45RO + HLA-DR	8523 ± 3791	291 ± 371	8771 ± 2802	10926 ± 7444	3342 ± 4524
CD45RO + IL-22R	104 ± 115	0 ± 0	65 ± 33	87 ± 78	46 ± 65
CD45RO + IL-23R	157 ± 139	29 ± 42	1009 ± 729	252 ± 200	101 ± 57
CD45RO + Ki67	133 ± 67	0 ± 0	94 ± 132	36 ± 53	26 ± 34
CD45RO + PI	8453 ± 6161	71 ± 92	10690 ± 6786	17059 ± 14868	4366 ± 6063
CD45RO + Podoplanin	910 ± 1128	304 ± 420	699 ± 480	435 ± 412	469 ± 550
CD45RO + SNA1	5874 ± 5039	275 ± 378	3227 ± 889	1825 ± 838	724 ± 804
CD45RO + STAT3	637 ± 782	321 ± 447	839 ± 537	30 ± 20	36 ± 14
CD45RO + TIA1	463 ± 260	209 ± 295	1673 ± 979	1877 ± 1971	538 ± 695
CD45RO + Vimentin	6112 ± 4964	349 ± 445	7953 ± 2420	4279 ± 2362	2786 ± 3756

Tabelle 115: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	720 ± 515	383 ± 481	247 ± 417	1177 ± 1906	163 ± 228
CD52 + BCL2	949 ± 464	113 ± 152	4791 ± 3629	6234 ± 6688	335 ± 417
CD52 + CCR6	576 ± 761	206 ± 290	2418 ± 2130	2198 ± 2504	767 ± 1070
CD52 + CD11a	6196 ± 1531	313 ± 247	18019 ± 10229	15798 ± 16404	6479 ± 8819
CD52 + CD11b	1164 ± 56	119 ± 32	1564 ± 549	6317 ± 7575	3322 ± 4472
CD52 + CD120a	9 ± 4	0 ± 0	163 ± 193	371 ± 561	8 ± 11
CD52 + CD120b	404 ± 7	215 ± 298	1327 ± 375	11116 ± 12902	760 ± 1069
CD52 + CD138	297 ± 357	174 ± 246	881 ± 1250	54 ± 48	37 ± 44
CD52 + CD15	182 ± 224	133 ± 188	666 ± 697	39 ± 43	44 ± 62
CD52 + CD1a	19 ± 5	23 ± 11	16 ± 21	458 ± 410	71 ± 100
CD52 + CD2	5386 ± 2874	211 ± 138	13845 ± 7489	21533 ± 24241	6418 ± 8853
CD52 + CD207	49 ± 5	14 ± 10	231 ± 304	772 ± 657	438 ± 619
CD52 + CD24	214 ± 0	183 ± 257	779 ± 466	675 ± 700	211 ± 291
CD52 + CD28	4015 ± 1864	42 ± 29	12399 ± 6725	20838 ± 23033	5195 ± 7232
CD52 + CD29	1740 ± 1303	341 ± 440	2320 ± 1345	1977 ± 2179	472 ± 594
CD52 + CD3	6306 ± 3063	1501 ± 1914	19437 ± 8818	25621 ± 29173	7622 ± 10416
CD52 + CD31	898 ± 1117	203 ± 285	1027 ± 195	2342 ± 2658	217 ± 303
CD52 + CD4	6058 ± 3920	199 ± 83	16361 ± 11436	23724 ± 26956	7361 ± 10146
CD52 + CD44	6701 ± 2825	1959 ± 2551	16011 ± 3526	11641 ± 9746	4918 ± 6609
CD52 + CD45	6133 ± 2298	547 ± 577	18052 ± 9628	16664 ± 17654	5049 ± 6933
CD52 + CD45RA	1370 ± 363	295 ± 350	3737 ± 2991	3963 ± 4971	1710 ± 2387
CD52 + CD45RO	4094 ± 1268	192 ± 267	10869 ± 4438	19092 ± 21829	3564 ± 5019
CD52 + CD54	4371 ± 4755	755 ± 874	12758 ± 9808	12890 ± 14951	4490 ± 6097
CD52 + CD56	273 ± 190	202 ± 283	314 ± 106	250 ± 252	99 ± 128
CD52 + CD58	432 ± 141	162 ± 98	8900 ± 8716	10064 ± 12684	958 ± 1237
CD52 + CD62E	558 ± 357	22 ± 32	247 ± 396	735 ± 887	77 ± 110
CD52 + CD62P	788 ± 639	69 ± 98	327 ± 254	719 ± 938	107 ± 146
CD52 + CD68	462 ± 521	153 ± 211	2857 ± 1862	1820 ± 1481	1781 ± 2492
CD52 + CD7	3625 ± 2823	85 ± 20	10711 ± 6298	13059 ± 14460	3717 ± 5127
CD52 + CD8a	1833 ± 537	522 ± 541	4390 ± 2102	10114 ± 12084	2969 ± 4034
CD52 + CK14	296 ± 273	25 ± 24	1968 ± 3315	56 ± 50	62 ± 58
CD52 + CLA	1211 ± 549	259 ± 302	2818 ± 1189	2535 ± 1668	1278 ± 1562
CD52 + c-myc	162 ± 54	264 ± 373	1078 ± 1279	25 ± 27	273 ± 365
CD52 + Collagen IV	1570 ± 1250	665 ± 837	2376 ± 441	1674 ± 1302	1264 ± 1772
CD52 + FXIIIA	255 ± 154	430 ± 589	1331 ± 719	1245 ± 1131	161 ± 217
CD52 + HLA-DR	6098 ± 245	1678 ± 2171	10860 ± 3396	10289 ± 7879	5290 ± 7181
CD52 + IL-22R	13 ± 12	0 ± 0	168 ± 152	98 ± 96	21 ± 14
CD52 + IL-23R	30 ± 15	16 ± 22	250 ± 167	195 ± 252	10 ± 12
CD52 + Ki67	39 ± 12	1 ± 1	100 ± 152	28 ± 37	4 ± 6
CD52 + PI	4940 ± 2087	885 ± 1055	11508 ± 8214	15036 ± 14857	6377 ± 8813
CD52 + Podoplanin	1034 ± 928	204 ± 266	3000 ± 2994	712 ± 630	1225 ± 1677
CD52 + SNA1	3610 ± 1605	1294 ± 1708	3126 ± 1047	1892 ± 1393	911 ± 1205
CD52 + STAT3	108 ± 100	186 ± 263	130 ± 90	42 ± 54	14 ± 19
CD52 + TIA1	653 ± 525	158 ± 223	974 ± 359	1720 ± 1930	947 ± 1328
CD52 + Vimentin	3232 ± 1404	1279 ± 1623	7543 ± 3161	2940 ± 1129	3333 ± 4631

Tabelle 116: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	6896 ± 2691	2590 ± 1373	2756 ± 3458	3573 ± 3377	4631 ± 2059
CD54 + BCL2	1725 ± 2241	37 ± 48	4008 ± 2419	4041 ± 4068	612 ± 157
CD54 + CCR6	900 ± 1250	19 ± 27	2424 ± 2426	1709 ± 1912	665 ± 931
CD54 + CD11a	12163 ± 15126	386 ± 120	19537 ± 14089	9325 ± 8641	7583 ± 5809
CD54 + CD11b	4560 ± 5647	287 ± 309	3367 ± 1771	7400 ± 7278	8096 ± 2797
CD54 + CD120a	157 ± 199	0 ± 0	783 ± 710	489 ± 601	182 ± 253
CD54 + CD120b	1559 ± 2008	237 ± 46	1349 ± 574	7836 ± 8756	1001 ± 511
CD54 + CD138	4953 ± 6951	10 ± 15	494 ± 515	159 ± 169	1501 ± 2119
CD54 + CD15	1099 ± 1533	20 ± 28	1593 ± 1420	107 ± 87	77 ± 91
CD54 + CD1a	340 ± 474	42 ± 57	150 ± 181	503 ± 386	475 ± 668
CD54 + CD2	8560 ± 11329	173 ± 105	12641 ± 9442	11611 ± 12194	5671 ± 6504
CD54 + CD207	528 ± 736	25 ± 35	322 ± 246	613 ± 350	661 ± 934
CD54 + CD24	1170 ± 1583	189 ± 53	1592 ± 823	710 ± 583	665 ± 111
CD54 + CD28	6690 ± 8339	59 ± 79	12032 ± 9507	11883 ± 11847	4727 ± 5469
CD54 + CD29	16686 ± 13398	1442 ± 782	7517 ± 2690	5824 ± 3439	8720 ± 2540
CD54 + CD3	10367 ± 13186	1539 ± 1035	20048 ± 14735	16424 ± 16373	9099 ± 4546
CD54 + CD31	8349 ± 6829	1566 ± 26	8335 ± 2868	7560 ± 7369	5470 ± 715
CD54 + CD4	17630 ± 22595	575 ± 608	19883 ± 15057	15490 ± 14197	12076 ± 3987
CD54 + CD44	24502 ± 31059	4329 ± 332	20056 ± 9401	13435 ± 7921	11932 ± 3959
CD54 + CD45	13526 ± 17386	435 ± 27	18852 ± 14433	10182 ± 8874	4903 ± 5099
CD54 + CD45RA	4303 ± 5196	185 ± 103	4390 ± 3528	2898 ± 3268	1962 ± 1910
CD54 + CD45RO	7624 ± 9931	13 ± 18	9123 ± 4967	10752 ± 11587	3111 ± 4322
CD54 + CD52	4371 ± 4755	755 ± 874	12758 ± 9808	12890 ± 14951	4490 ± 6097
CD54 + CD56	978 ± 1234	32 ± 11	659 ± 446	288 ± 244	301 ± 33
CD54 + CD58	2968 ± 1018	1544 ± 2181	11469 ± 12896	11055 ± 12916	4622 ± 1423
CD54 + CD62E	1275 ± 393	3 ± 4	1648 ± 1667	1616 ± 2172	646 ± 884
CD54 + CD62P	3243 ± 2384	798 ± 685	2022 ± 1205	2310 ± 2160	2624 ± 1100
CD54 + CD68	3669 ± 3451	302 ± 335	4808 ± 1417	3667 ± 2000	5241 ± 4759
CD54 + CD7	7498 ± 9997	180 ± 225	10777 ± 9072	8633 ± 7185	3530 ± 4101
CD54 + CD8a	2067 ± 2407	404 ± 199	3555 ± 2894	5330 ± 5873	2450 ± 2455
CD54 + CK14	9598 ± 13400	0 ± 0	2024 ± 2788	692 ± 711	2802 ± 3959
CD54 + CLA	2283 ± 3078	123 ± 33	2778 ± 1648	1836 ± 989	1565 ± 635
CD54 + c-myc	2375 ± 2600	242 ± 343	3089 ± 2134	177 ± 153	3795 ± 5110
CD54 + Collagen IV	14129 ± 11032	3031 ± 47	9617 ± 2406	4613 ± 1965	8238 ± 4409
CD54 + FXIIIA	1232 ± 1582	236 ± 47	1864 ± 817	1693 ± 985	899 ± 217
CD54 + HLA-DR	22923 ± 21656	4155 ± 659	15971 ± 3881	13865 ± 6508	14703 ± 4554
CD54 + IL-22R	212 ± 297	44 ± 63	159 ± 164	91 ± 92	350 ± 495
CD54 + IL-23R	274 ± 226	3 ± 4	942 ± 602	234 ± 195	137 ± 185
CD54 + Ki67	240 ± 306	0 ± 0	44 ± 56	15 ± 5	299 ± 272
CD54 + PI	18439 ± 20001	2342 ± 514	13769 ± 10372	13437 ± 10111	11122 ± 4892
CD54 + Podoplanin	5100 ± 6448	77 ± 71	3739 ± 3176	450 ± 419	2270 ± 1811
CD54 + SNA1	22201 ± 19438	3437 ± 51	10043 ± 2048	6857 ± 3963	7891 ± 418
CD54 + STAT3	835 ± 1029	111 ± 135	194 ± 272	51 ± 62	96 ± 130
CD54 + TIA1	1065 ± 1301	48 ± 36	1388 ± 381	1116 ± 975	737 ± 1024
CD54 + Vimentin	14880 ± 13590	2655 ± 207	15394 ± 6877	7187 ± 1421	10065 ± 8558

Tabelle 117: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	429 ± 607	951 ± 1278	58 ± 89	4 ± 6	13 ± 18
CD56 + BCL2	112 ± 76	9 ± 12	219 ± 186	122 ± 97	27 ± 32
CD56 + CCR6	503 ± 691	547 ± 772	197 ± 156	79 ± 84	55 ± 31
CD56 + CD11a	579 ± 411	8 ± 7	600 ± 195	157 ± 132	151 ± 90
CD56 + CD11b	215 ± 148	52 ± 19	148 ± 57	364 ± 183	435 ± 177
CD56 + CD120a	5 ± 6	0 ± 0	53 ± 44	9 ± 11	3 ± 5
CD56 + CD120b	53 ± 45	54 ± 72	19 ± 7	103 ± 67	60 ± 24
CD56 + CD138	216 ± 264	1089 ± 1539	121 ± 155	12 ± 13	64 ± 34
CD56 + CD15	55 ± 77	205 ± 290	68 ± 68	0 ± 0	1 ± 1
CD56 + CD1a	1 ± 1	7 ± 10	0 ± 0	6 ± 7	2 ± 3
CD56 + CD2	443 ± 476	17 ± 21	442 ± 161	302 ± 240	121 ± 130
CD56 + CD207	0 ± 0	0 ± 0	1 ± 2	7 ± 5	0 ± 1
CD56 + CD24	38 ± 37	53 ± 73	29 ± 9	32 ± 20	76 ± 75
CD56 + CD28	200 ± 106	7 ± 5	216 ± 126	246 ± 160	42 ± 50
CD56 + CD29	1040 ± 801	992 ± 1138	388 ± 165	129 ± 45	455 ± 55
CD56 + CD3	440 ± 427	88 ± 90	554 ± 276	515 ± 430	206 ± 79
CD56 + CD31	7 ± 10	20 ± 27	31 ± 22	82 ± 69	10 ± 10
CD56 + CD4	1052 ± 1231	14 ± 18	637 ± 378	424 ± 344	374 ± 118
CD56 + CD44	1798 ± 1782	1141 ± 406	844 ± 337	708 ± 125	704 ± 128
CD56 + CD45	588 ± 509	10 ± 4	431 ± 229	133 ± 91	60 ± 29
CD56 + CD45RA	529 ± 551	466 ± 570	242 ± 112	126 ± 108	269 ± 139
CD56 + CD45RO	385 ± 246	321 ± 434	295 ± 207	211 ± 161	76 ± 8
CD56 + CD52	273 ± 190	202 ± 283	314 ± 106	250 ± 252	99 ± 128
CD56 + CD54	978 ± 1234	32 ± 11	659 ± 446	288 ± 244	301 ± 33
CD56 + CD58	146 ± 19	377 ± 87	595 ± 690	510 ± 513	208 ± 198
CD56 + CD62E	4 ± 6	35 ± 49	4 ± 6	0 ± 0	0 ± 1
CD56 + CD62P	7 ± 9	48 ± 68	11 ± 9	7 ± 12	12 ± 17
CD56 + CD68	898 ± 902	268 ± 307	433 ± 335	358 ± 46	472 ± 305
CD56 + CD7	347 ± 368	13 ± 7	469 ± 242	163 ± 128	89 ± 112
CD56 + CD8a	85 ± 75	34 ± 12	83 ± 16	90 ± 72	117 ± 69
CD56 + CK14	98 ± 15	622 ± 868	192 ± 64	66 ± 43	114 ± 42
CD56 + CLA	101 ± 52	26 ± 17	129 ± 72	38 ± 23	87 ± 37
CD56 + c-myc	512 ± 532	1508 ± 2132	432 ± 172	93 ± 81	256 ± 251
CD56 + Collagen IV	1277 ± 1039	1069 ± 113	1714 ± 360	712 ± 74	976 ± 441
CD56 + FXIIIA	1098 ± 653	1040 ± 550	428 ± 362	298 ± 141	427 ± 589
CD56 + HLA-DR	1969 ± 620	1037 ± 582	1038 ± 856	929 ± 45	1139 ± 378
CD56 + IL-22R	2 ± 3	0 ± 0	4 ± 4	12 ± 16	18 ± 25
CD56 + IL-23R	38 ± 12	38 ± 45	67 ± 8	28 ± 19	29 ± 40
CD56 + Ki67	41 ± 2	1 ± 2	26 ± 22	8 ± 11	2 ± 0
CD56 + PI	952 ± 866	569 ± 426	1003 ± 457	659 ± 239	449 ± 19
CD56 + Podoplanin	555 ± 503	1110 ± 1193	124 ± 32	78 ± 57	319 ± 317
CD56 + SNA1	1463 ± 705	1004 ± 533	862 ± 144	615 ± 256	827 ± 492
CD56 + STAT3	267 ± 278	1336 ± 1774	209 ± 234	20 ± 17	57 ± 80
CD56 + TIA1	153 ± 209	299 ± 423	112 ± 66	56 ± 49	64 ± 37
CD56 + Vimentin	1376 ± 527	1436 ± 701	955 ± 436	644 ± 259	561 ± 36

Tabelle 118: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	1795 ± 990	1661 ± 1726	676 ± 444	2261 ± 3603	1999 ± 257
CD58 + BCL2	1046 ± 677	409 ± 573	1591 ± 1903	3576 ± 3967	323 ± 34
CD58 + CCR6	186 ± 94	222 ± 288	1326 ± 1637	1303 ± 1491	247 ± 314
CD58 + CD11a	1230 ± 346	108 ± 151	8565 ± 12293	7295 ± 7747	1614 ± 1827
CD58 + CD11b	179 ± 103	88 ± 124	648 ± 663	3816 ± 4455	1194 ± 884
CD58 + CD120a	255 ± 57	22 ± 31	360 ± 324	349 ± 410	113 ± 117
CD58 + CD120b	160 ± 11	84 ± 62	888 ± 731	6611 ± 7762	310 ± 330
CD58 + CD138	26480 ± 12402	4983 ± 6389	6647 ± 5704	10150 ± 13164	11007 ± 11718
CD58 + CD15	33 ± 31	120 ± 170	329 ± 298	16 ± 17	6 ± 5
CD58 + CD1a	2794 ± 162	931 ± 1295	199 ± 166	2154 ± 1997	594 ± 116
CD58 + CD2	797 ± 70	58 ± 81	5430 ± 7976	9310 ± 10867	1444 ± 1786
CD58 + CD207	1074 ± 581	211 ± 297	276 ± 238	1283 ± 1103	316 ± 63
CD58 + CD24	65 ± 16	66 ± 28	331 ± 271	501 ± 626	150 ± 114
CD58 + CD28	851 ± 243	37 ± 38	5955 ± 7911	9185 ± 10500	957 ± 1140
CD58 + CD29	7442 ± 5558	4211 ± 5352	7004 ± 5121	8451 ± 7687	7247 ± 4667
CD58 + CD3	1010 ± 2	218 ± 185	9650 ± 12143	11654 ± 13179	2051 ± 1541
CD58 + CD31	1669 ± 726	761 ± 1050	3011 ± 2428	5184 ± 6343	2486 ± 698
CD58 + CD4	1211 ± 121	232 ± 329	8743 ± 12481	11134 ± 12597	2219 ± 834
CD58 + CD44	13736 ± 8772	5003 ± 6838	14011 ± 12559	16037 ± 13716	12747 ± 12542
CD58 + CD45	1450 ± 158	105 ± 146	9864 ± 11841	7895 ± 8831	1075 ± 1228
CD58 + CD45RA	342 ± 40	276 ± 139	2096 ± 2895	2329 ± 2867	589 ± 727
CD58 + CD45RO	715 ± 34	165 ± 234	3911 ± 4988	8261 ± 9036	760 ± 1061
CD58 + CD52	432 ± 141	162 ± 98	8900 ± 8716	10064 ± 12684	958 ± 1237
CD58 + CD54	2968 ± 1018	1544 ± 2181	11469 ± 12896	11055 ± 12916	4622 ± 1423
CD58 + CD56	146 ± 19	377 ± 87	595 ± 690	510 ± 513	208 ± 198
CD58 + CD62E	146 ± 113	29 ± 42	324 ± 291	775 ± 1016	73 ± 81
CD58 + CD62P	234 ± 210	628 ± 800	667 ± 112	809 ± 1050	841 ± 702
CD58 + CD68	708 ± 284	313 ± 228	1493 ± 1434	1695 ± 1515	2010 ± 1236
CD58 + CD7	821 ± 214	160 ± 201	5682 ± 7374	6256 ± 7190	1062 ± 1350
CD58 + CD8a	464 ± 398	142 ± 194	1839 ± 2515	4406 ± 5292	911 ± 1181
CD58 + CK14	27919 ± 14426	4739 ± 6494	13364 ± 12031	16755 ± 15809	19800 ± 22235
CD58 + CLA	501 ± 248	59 ± 72	984 ± 1239	1442 ± 1247	674 ± 852
CD58 + c-myc	8699 ± 10344	256 ± 346	3678 ± 3052	1550 ± 1297	4246 ± 750
CD58 + Collagen IV	2509 ± 1593	1172 ± 1584	5639 ± 4428	3090 ± 2768	3379 ± 2188
CD58 + FXIIIA	94 ± 46	265 ± 140	692 ± 890	578 ± 509	120 ± 49
CD58 + HLA-DR	11176 ± 5887	3294 ± 4269	7325 ± 6670	10920 ± 8783	8809 ± 7079
CD58 + IL-22R	4374 ± 2224	2305 ± 3260	507 ± 400	558 ± 256	5382 ± 4237
CD58 + IL-23R	2869 ± 1847	4548 ± 6391	643 ± 564	417 ± 246	115 ± 34
CD58 + Ki67	560 ± 656	56 ± 79	15 ± 15	51 ± 53	711 ± 983
CD58 + PI	4988 ± 2273	2933 ± 4036	9321 ± 11978	13983 ± 12434	6309 ± 5480
CD58 + Podoplanin	585 ± 174	403 ± 87	8158 ± 7504	919 ± 1045	2258 ± 3089
CD58 + SNA1	6083 ± 5765	1770 ± 2110	4563 ± 3325	4376 ± 3653	3729 ± 487
CD58 + STAT3	12568 ± 8309	5103 ± 6513	1536 ± 2100	374 ± 287	860 ± 873
CD58 + TIA1	121 ± 19	230 ± 222	338 ± 333	809 ± 897	249 ± 315
CD58 + Vimentin	3270 ± 1511	1633 ± 1805	6417 ± 6717	4144 ± 3296	4501 ± 4409

Tabelle 119: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	743 ± 122	34 ± 48	735 ± 1241	822 ± 1335	458 ± 641
CD62E + BCL2	42 ± 59	6 ± 8	352 ± 610	9 ± 10	6 ± 1
CD62E + CCR6	4 ± 5	37 ± 52	1 ± 2	6 ± 7	2 ± 2
CD62E + CD11a	146 ± 149	0 ± 0	59 ± 60	31 ± 27	3 ± 5
CD62E + CD11b	44 ± 49	7 ± 10	1524 ± 1897	222 ± 159	171 ± 238
CD62E + CD120a	2 ± 2	0 ± 0	5 ± 8	14 ± 18	1 ± 1
CD62E + CD120b	5 ± 4	6 ± 9	14 ± 24	43 ± 37	2 ± 0
CD62E + CD138	15 ± 21	73 ± 104	65 ± 112	18 ± 16	17 ± 10
CD62E + CD15	21 ± 14	30 ± 42	1208 ± 1873	160 ± 241	21 ± 7
CD62E + CD1a	0 ± 0	4 ± 5	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	251 ± 291	0 ± 1	31 ± 41	125 ± 128	4 ± 6
CD62E + CD207	0 ± 0	1 ± 1	0 ± 0	0 ± 1	0 ± 0
CD62E + CD24	5 ± 7	18 ± 25	1440 ± 1932	106 ± 139	1 ± 1
CD62E + CD28	246 ± 301	3 ± 4	56 ± 78	116 ± 163	6 ± 4
CD62E + CD29	1012 ± 331	40 ± 56	1241 ± 1558	824 ± 1070	525 ± 715
CD62E + CD3	496 ± 680	12 ± 17	201 ± 174	309 ± 263	7 ± 8
CD62E + CD31	957 ± 687	2 ± 3	1419 ± 1477	1660 ± 2265	578 ± 791
CD62E + CD4	711 ± 863	0 ± 0	78 ± 76	291 ± 266	51 ± 49
CD62E + CD44	552 ± 633	52 ± 73	236 ± 208	73 ± 22	16 ± 18
CD62E + CD45	138 ± 188	1 ± 1	50 ± 44	30 ± 19	1 ± 1
CD62E + CD45RA	32 ± 27	35 ± 50	9 ± 13	29 ± 24	5 ± 8
CD62E + CD45RO	21 ± 14	33 ± 47	593 ± 537	110 ± 75	11 ± 7
CD62E + CD52	558 ± 357	22 ± 32	247 ± 396	735 ± 887	77 ± 110
CD62E + CD54	1275 ± 393	3 ± 4	1648 ± 1667	1616 ± 2172	646 ± 884
CD62E + CD56	4 ± 6	35 ± 49	4 ± 6	0 ± 0	0 ± 1
CD62E + CD58	146 ± 113	29 ± 42	324 ± 291	775 ± 1016	73 ± 81
CD62E + CD62P	1168 ± 301	12 ± 17	1272 ± 1378	1387 ± 1823	654 ± 865
CD62E + CD68	133 ± 70	17 ± 24	400 ± 655	493 ± 720	297 ± 391
CD62E + CD7	293 ± 414	3 ± 4	24 ± 33	42 ± 34	1 ± 1
CD62E + CD8a	22 ± 31	0 ± 0	17 ± 20	45 ± 44	1 ± 2
CD62E + CK14	15 ± 21	37 ± 52	59 ± 86	1 ± 0	0 ± 0
CD62E + CLA	11 ± 2	2 ± 3	1039 ± 1725	21 ± 18	2 ± 3
CD62E + c-myc	32 ± 8	77 ± 109	594 ± 981	1 ± 1	358 ± 506
CD62E + Collagen IV	619 ± 460	3 ± 4	1357 ± 1155	469 ± 446	335 ± 473
CD62E + FXIIIA	12 ± 17	36 ± 50	102 ± 153	39 ± 49	22 ± 22
CD62E + HLA-DR	979 ± 7	42 ± 59	831 ± 1016	531 ± 453	375 ± 504
CD62E + IL-22R	3 ± 4	22 ± 31	0 ± 0	5 ± 4	0 ± 1
CD62E + IL-23R	19 ± 15	31 ± 45	257 ± 102	45 ± 64	11 ± 11
CD62E + Ki67	0 ± 0	0 ± 0	4 ± 7	7 ± 6	1 ± 2
CD62E + PI	619 ± 302	6 ± 9	1797 ± 1623	801 ± 810	357 ± 465
CD62E + Podoplanin	71 ± 77	36 ± 51	2 ± 3	1 ± 3	0 ± 0
CD62E + SNA1	965 ± 286	39 ± 56	1778 ± 1556	609 ± 744	365 ± 459
CD62E + STAT3	15 ± 20	68 ± 96	348 ± 404	38 ± 60	9 ± 12
CD62E + TIA1	136 ± 178	46 ± 64	1260 ± 1806	69 ± 60	52 ± 73
CD62E + Vimentin	737 ± 68	37 ± 53	1086 ± 968	295 ± 197	446 ± 626

Tabelle 120: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	2397 ± 1588	962 ± 832	1010 ± 1412	1478 ± 1434	2040 ± 1164
CD62P + BCL2	44 ± 61	0 ± 0	318 ± 551	13 ± 10	31 ± 25
CD62P + CCR6	16 ± 22	37 ± 53	6 ± 8	3 ± 2	8 ± 7
CD62P + CD11a	254 ± 290	24 ± 17	47 ± 47	9 ± 3	14 ± 20
CD62P + CD11b	80 ± 113	0 ± 0	503 ± 482	146 ± 104	230 ± 318
CD62P + CD120a	3 ± 1	0 ± 0	1 ± 1	0 ± 1	1 ± 0
CD62P + CD120b	20 ± 21	17 ± 10	51 ± 45	30 ± 18	6 ± 4
CD62P + CD138	9 ± 13	71 ± 101	67 ± 84	31 ± 37	22 ± 5
CD62P + CD15	80 ± 111	28 ± 40	283 ± 358	82 ± 109	24 ± 13
CD62P + CD1a	0 ± 1	5 ± 8	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	398 ± 494	0 ± 0	17 ± 16	98 ± 80	7 ± 4
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	8 ± 8	11 ± 14	378 ± 319	87 ± 106	3 ± 2
CD62P + CD28	334 ± 431	4 ± 6	74 ± 98	97 ± 133	15 ± 2
CD62P + CD29	2415 ± 1500	499 ± 364	1682 ± 1421	1439 ± 997	2194 ± 564
CD62P + CD3	767 ± 1070	99 ± 138	189 ± 105	261 ± 204	286 ± 384
CD62P + CD31	2506 ± 2482	778 ± 668	1975 ± 1136	2244 ± 2268	2289 ± 672
CD62P + CD4	1223 ± 1569	17 ± 14	68 ± 58	266 ± 168	496 ± 404
CD62P + CD44	1275 ± 1545	770 ± 622	186 ± 185	332 ± 501	313 ± 382
CD62P + CD45	237 ± 329	3 ± 4	54 ± 24	13 ± 11	4 ± 5
CD62P + CD45RA	132 ± 138	66 ± 7	9 ± 10	45 ± 43	24 ± 6
CD62P + CD45RO	31 ± 26	30 ± 43	215 ± 174	53 ± 34	19 ± 10
CD62P + CD52	788 ± 639	69 ± 98	327 ± 254	719 ± 938	107 ± 146
CD62P + CD54	3243 ± 2384	798 ± 685	2022 ± 1205	2310 ± 2160	2624 ± 1100
CD62P + CD56	7 ± 9	48 ± 68	11 ± 9	7 ± 12	12 ± 17
CD62P + CD58	234 ± 210	628 ± 800	667 ± 112	809 ± 1050	841 ± 702
CD62P + CD62E	1168 ± 301	12 ± 17	1272 ± 1378	1387 ± 1823	654 ± 865
CD62P + CD68	231 ± 28	31 ± 37	378 ± 654	584 ± 699	897 ± 443
CD62P + CD7	593 ± 838	103 ± 133	76 ± 131	112 ± 168	11 ± 15
CD62P + CD8a	62 ± 84	8 ± 4	4 ± 5	36 ± 31	10 ± 14
CD62P + CK14	4 ± 5	55 ± 78	31 ± 41	19 ± 33	0 ± 0
CD62P + CLA	16 ± 20	1 ± 2	75 ± 100	8 ± 5	1 ± 0
CD62P + c-myc	47 ± 21	110 ± 156	665 ± 1094	0 ± 1	1194 ± 1656
CD62P + Collagen IV	1763 ± 1601	465 ± 264	1358 ± 724	777 ± 393	1346 ± 1284
CD62P + FXIIIA	18 ± 26	33 ± 41	80 ± 127	26 ± 19	52 ± 5
CD62P + HLA-DR	1979 ± 695	846 ± 765	1072 ± 1036	1023 ± 615	1524 ± 538
CD62P + IL-22R	0 ± 0	42 ± 59	4 ± 6	5 ± 5	1 ± 1
CD62P + IL-23R	9 ± 9	6 ± 8	157 ± 59	43 ± 62	34 ± 31
CD62P + Ki67	0 ± 0	0 ± 0	5 ± 8	7 ± 6	1 ± 2
CD62P + PI	1264 ± 1026	536 ± 503	1003 ± 675	1059 ± 631	1281 ± 473
CD62P + Podoplanin	110 ± 87	53 ± 74	21 ± 23	2 ± 2	11 ± 16
CD62P + SNA1	2558 ± 1686	749 ± 491	1818 ± 1349	1238 ± 852	1764 ± 94
CD62P + STAT3	8 ± 9	160 ± 22	187 ± 234	37 ± 57	19 ± 3
CD62P + TIA1	344 ± 485	64 ± 1	233 ± 193	90 ± 72	56 ± 79
CD62P + Vimentin	1685 ± 823	648 ± 491	1386 ± 521	777 ± 602	1564 ± 1234

Tabelle 121: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	1229 ± 191	490 ± 218	825 ± 1416	977 ± 874	1350 ± 1386
CD68 + BCL2	1265 ± 1341	173 ± 158	2396 ± 1933	1295 ± 795	660 ± 72
CD68 + CCR6	668 ± 926	137 ± 194	1025 ± 1097	652 ± 447	657 ± 783
CD68 + CD11a	1527 ± 1818	62 ± 75	4188 ± 2314	1465 ± 1329	2661 ± 3166
CD68 + CD11b	1232 ± 1232	221 ± 283	1721 ± 291	4077 ± 2156	5229 ± 4627
CD68 + CD120a	42 ± 42	18 ± 7	153 ± 129	132 ± 6	162 ± 138
CD68 + CD120b	145 ± 175	25 ± 26	281 ± 176	936 ± 830	252 ± 325
CD68 + CD138	667 ± 816	1057 ± 358	320 ± 171	107 ± 130	694 ± 537
CD68 + CD15	150 ± 210	100 ± 142	554 ± 471	20 ± 17	31 ± 28
CD68 + CD1a	125 ± 165	200 ± 253	35 ± 26	113 ± 103	473 ± 47
CD68 + CD2	1340 ± 1783	42 ± 42	3575 ± 2407	2548 ± 1834	2790 ± 3566
CD68 + CD207	147 ± 198	324 ± 122	69 ± 60	114 ± 105	492 ± 23
CD68 + CD24	76 ± 103	20 ± 23	480 ± 387	33 ± 23	86 ± 90
CD68 + CD28	642 ± 812	9 ± 6	2223 ± 1178	1889 ± 1455	1315 ± 1732
CD68 + CD29	2716 ± 1563	1296 ± 252	1763 ± 2118	1829 ± 1439	4079 ± 2121
CD68 + CD3	1078 ± 1405	192 ± 227	4223 ± 2206	3038 ± 2263	2771 ± 2790
CD68 + CD31	952 ± 111	470 ± 179	1189 ± 1666	1782 ± 1465	2190 ± 1262
CD68 + CD4	2546 ± 3244	90 ± 19	4147 ± 2640	3246 ± 2230	3511 ± 3056
CD68 + CD44	3524 ± 4249	2143 ± 1496	4996 ± 848	3476 ± 953	5203 ± 2861
CD68 + CD45	2061 ± 2670	64 ± 53	4017 ± 2189	1508 ± 1064	1670 ± 2137
CD68 + CD45RA	735 ± 827	111 ± 157	1590 ± 967	450 ± 314	1063 ± 1108
CD68 + CD45RO	1441 ± 1847	107 ± 152	2985 ± 1074	2282 ± 1789	1445 ± 1943
CD68 + CD52	462 ± 521	153 ± 211	2857 ± 1862	1820 ± 1481	1781 ± 2492
CD68 + CD54	3669 ± 3451	302 ± 335	4808 ± 1417	3667 ± 2000	5241 ± 4759
CD68 + CD56	898 ± 902	268 ± 307	433 ± 335	358 ± 46	472 ± 305
CD68 + CD58	708 ± 284	313 ± 228	1493 ± 1434	1695 ± 1515	2010 ± 1236
CD68 + CD62E	133 ± 70	17 ± 24	400 ± 655	493 ± 720	297 ± 391
CD68 + CD62P	231 ± 28	31 ± 37	378 ± 654	584 ± 699	897 ± 443
CD68 + CD7	723 ± 913	8 ± 4	2148 ± 1375	1034 ± 341	1315 ± 1701
CD68 + CD8a	245 ± 312	82 ± 87	741 ± 613	801 ± 528	906 ± 1037
CD68 + CK14	777 ± 766	1428 ± 165	522 ± 147	670 ± 720	2650 ± 328
CD68 + CLA	341 ± 407	56 ± 72	1217 ± 485	331 ± 155	817 ± 708
CD68 + c-myc	899 ± 598	1350 ± 1909	672 ± 896	114 ± 78	2592 ± 2018
CD68 + Collagen IV	1273 ± 260	1415 ± 911	1228 ± 1367	1107 ± 881	3055 ± 2527
CD68 + FXIIIA	1857 ± 2080	424 ± 273	2056 ± 1079	2471 ± 537	2061 ± 162
CD68 + HLA-DR	3685 ± 2863	1650 ± 1285	4433 ± 1856	4455 ± 1157	7120 ± 4464
CD68 + IL-22R	19 ± 17	105 ± 94	17 ± 15	39 ± 31	315 ± 71
CD68 + IL-23R	175 ± 103	331 ± 233	495 ± 64	422 ± 146	166 ± 79
CD68 + Ki67	80 ± 102	147 ± 30	61 ± 64	33 ± 54	222 ± 185
CD68 + PI	2954 ± 2666	1470 ± 837	3482 ± 2376	4021 ± 519	5661 ± 3699
CD68 + Podoplanin	812 ± 741	327 ± 118	393 ± 175	150 ± 132	941 ± 100
CD68 + SNA1	3678 ± 2394	2247 ± 1138	2544 ± 2454	2330 ± 1636	4055 ± 756
CD68 + STAT3	257 ± 285	900 ± 98	263 ± 163	51 ± 33	105 ± 2
CD68 + TIA1	166 ± 183	82 ± 117	300 ± 107	230 ± 151	475 ± 590
CD68 + Vimentin	4378 ± 3744	2870 ± 1645	5416 ± 2131	4478 ± 2087	9728 ± 7528

Tabelle 122: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	557 ± 775	124 ± 150	66 ± 65	260 ± 362	53 ± 68
CD7 + BCL2	1255 ± 914	13 ± 12	4069 ± 2527	5421 ± 5330	370 ± 210
CD7 + CCR6	625 ± 812	13 ± 19	2315 ± 2143	1737 ± 1772	608 ± 843
CD7 + CD11a	8690 ± 7741	115 ± 105	16429 ± 10104	12943 ± 12176	5266 ± 6375
CD7 + CD11b	1915 ± 2011	62 ± 42	782 ± 229	4710 ± 4596	2692 ± 3126
CD7 + CD120a	24 ± 29	0 ± 0	121 ± 129	214 ± 249	11 ± 15
CD7 + CD120b	623 ± 605	20 ± 4	1495 ± 418	8856 ± 9899	723 ± 971
CD7 + CD138	2172 ± 1917	9 ± 13	675 ± 209	108 ± 88	358 ± 493
CD7 + CD15	595 ± 838	10 ± 14	258 ± 219	21 ± 22	32 ± 46
CD7 + CD1a	80 ± 64	7 ± 4	65 ± 60	324 ± 241	164 ± 232
CD7 + CD2	7373 ± 7057	91 ± 80	13283 ± 7236	14763 ± 14067	4826 ± 6076
CD7 + CD207	136 ± 146	2 ± 3	243 ± 201	563 ± 308	301 ± 420
CD7 + CD24	466 ± 607	14 ± 13	202 ± 95	376 ± 203	79 ± 103
CD7 + CD28	5513 ± 5115	42 ± 53	10881 ± 6828	14025 ± 13404	3503 ± 4441
CD7 + CD29	3578 ± 3804	94 ± 108	1757 ± 446	1072 ± 723	583 ± 613
CD7 + CD3	8162 ± 7595	131 ± 27	18312 ± 9895	16844 ± 14627	5837 ± 7070
CD7 + CD31	825 ± 1137	94 ± 132	361 ± 411	448 ± 251	66 ± 67
CD7 + CD4	7867 ± 8391	62 ± 86	14486 ± 10127	15056 ± 13995	4717 ± 5751
CD7 + CD44	8896 ± 8262	241 ± 180	14653 ± 6725	9871 ± 3438	4200 ± 4955
CD7 + CD45	8503 ± 7864	98 ± 53	15853 ± 9946	13758 ± 11544	4074 ± 5029
CD7 + CD45RA	2030 ± 2247	79 ± 28	3302 ± 2817	3366 ± 3544	1667 ± 2226
CD7 + CD45RO	5526 ± 4720	10 ± 15	9573 ± 4053	13392 ± 13808	2790 ± 3867
CD7 + CD52	3625 ± 2823	85 ± 20	10711 ± 6298	13059 ± 14460	3717 ± 5127
CD7 + CD54	7498 ± 9997	180 ± 225	10777 ± 9072	8633 ± 7185	3530 ± 4101
CD7 + CD56	347 ± 368	13 ± 7	469 ± 242	163 ± 128	89 ± 112
CD7 + CD58	821 ± 214	160 ± 201	5682 ± 7374	6256 ± 7190	1062 ± 1350
CD7 + CD62E	293 ± 414	3 ± 4	24 ± 33	42 ± 34	1 ± 1
CD7 + CD62P	593 ± 838	103 ± 133	76 ± 131	112 ± 168	11 ± 15
CD7 + CD68	723 ± 913	8 ± 4	2148 ± 1375	1034 ± 341	1315 ± 1701
CD7 + CD8a	2736 ± 1252	120 ± 44	5303 ± 2931	9211 ± 9348	2943 ± 3620
CD7 + CK14	3343 ± 2682	10 ± 0	2215 ± 1115	336 ± 179	879 ± 1183
CD7 + CLA	1931 ± 1578	45 ± 19	2927 ± 1167	2552 ± 732	1376 ± 1417
CD7 + c-myc	895 ± 437	10 ± 14	817 ± 748	79 ± 56	188 ± 228
CD7 + Collagen IV	1856 ± 2057	131 ± 139	1355 ± 585	899 ± 675	555 ± 683
CD7 + FXIIIA	209 ± 203	17 ± 1	811 ± 565	639 ± 181	71 ± 59
CD7 + HLA-DR	7168 ± 5336	203 ± 190	8754 ± 3583	8533 ± 2206	4005 ± 4800
CD7 + IL-22R	67 ± 0	12 ± 16	117 ± 102	84 ± 52	138 ± 171
CD7 + IL-23R	64 ± 45	1 ± 2	208 ± 156	86 ± 61	4 ± 6
CD7 + Ki67	89 ± 35	0 ± 0	62 ± 105	23 ± 23	65 ± 67
CD7 + PI	7202 ± 6755	163 ± 151	10199 ± 7207	11507 ± 6786	4710 ± 5963
CD7 + Podoplanin	1029 ± 1286	16 ± 3	1708 ± 1516	232 ± 258	455 ± 522
CD7 + SNA1	5272 ± 4623	147 ± 138	2423 ± 733	1607 ± 806	671 ± 651
CD7 + STAT3	567 ± 509	28 ± 13	154 ± 157	12 ± 8	16 ± 22
CD7 + TIA1	1047 ± 1102	45 ± 36	897 ± 256	1885 ± 1675	970 ± 1286
CD7 + Vimentin	4913 ± 4384	114 ± 66	7583 ± 3676	3297 ± 943	3008 ± 3829

Tabelle 123: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	119 ± 132	187 ± 137	47 ± 81	108 ± 133	52 ± 73
CD8a + BCL2	502 ± 212	83 ± 105	1507 ± 980	4282 ± 4830	265 ± 102
CD8a + CCR6	193 ± 251	31 ± 44	785 ± 793	1096 ± 1205	368 ± 511
CD8a + CD11a	3914 ± 1110	368 ± 83	7100 ± 3843	9503 ± 9890	4552 ± 4701
CD8a + CD11b	699 ± 243	232 ± 158	474 ± 275	3547 ± 4004	1931 ± 1939
CD8a + CD120a	7 ± 4	0 ± 0	19 ± 14	152 ± 227	38 ± 53
CD8a + CD120b	119 ± 2	107 ± 49	291 ± 137	5871 ± 7226	391 ± 486
CD8a + CD138	703 ± 135	18 ± 23	260 ± 127	141 ± 199	382 ± 518
CD8a + CD15	129 ± 150	6 ± 9	253 ± 252	26 ± 40	5 ± 7
CD8a + CD1a	17 ± 15	25 ± 34	8 ± 8	124 ± 124	89 ± 125
CD8a + CD2	3358 ± 1857	357 ± 228	5784 ± 2587	11961 ± 12620	4155 ± 4987
CD8a + CD207	9 ± 11	16 ± 23	47 ± 51	256 ± 190	143 ± 197
CD8a + CD24	84 ± 10	77 ± 41	188 ± 134	219 ± 144	97 ± 70
CD8a + CD28	1302 ± 390	57 ± 77	3277 ± 2127	9821 ± 10592	2277 ± 2930
CD8a + CD29	981 ± 237	122 ± 112	546 ± 142	530 ± 244	528 ± 484
CD8a + CD3	2922 ± 1415	838 ± 379	7147 ± 3859	13176 ± 13548	4771 ± 5168
CD8a + CD31	94 ± 115	34 ± 8	138 ± 115	250 ± 145	45 ± 52
CD8a + CD4	1907 ± 1462	271 ± 343	4288 ± 3729	10321 ± 11595	3161 ± 3699
CD8a + CD44	3950 ± 1710	1121 ± 339	5938 ± 2740	5833 ± 2923	3537 ± 3601
CD8a + CD45	3783 ± 1702	441 ± 77	6641 ± 3821	9858 ± 10044	3085 ± 3598
CD8a + CD45RA	975 ± 446	123 ± 19	1480 ± 981	2747 ± 2978	1360 ± 1600
CD8a + CD45RO	1919 ± 594	29 ± 38	3530 ± 1493	10198 ± 11610	1694 ± 2276
CD8a + CD52	1833 ± 537	522 ± 541	4390 ± 2102	10114 ± 12084	2969 ± 4034
CD8a + CD54	2067 ± 2407	404 ± 199	3555 ± 2894	5330 ± 5873	2450 ± 2455
CD8a + CD56	85 ± 75	34 ± 12	83 ± 16	90 ± 72	117 ± 69
CD8a + CD58	464 ± 398	142 ± 194	1839 ± 2515	4406 ± 5292	911 ± 1181
CD8a + CD62E	22 ± 31	0 ± 0	17 ± 20	45 ± 44	1 ± 2
CD8a + CD62P	62 ± 84	8 ± 4	4 ± 5	36 ± 31	10 ± 14
CD8a + CD68	245 ± 312	82 ± 87	741 ± 613	801 ± 528	906 ± 1037
CD8a + CD7	2736 ± 1252	120 ± 44	5303 ± 2931	9211 ± 9348	2943 ± 3620
CD8a + CK14	1248 ± 62	33 ± 31	747 ± 91	471 ± 488	1086 ± 1246
CD8a + CLA	1381 ± 678	314 ± 197	1904 ± 799	2346 ± 1022	1791 ± 1297
CD8a + c-myc	484 ± 234	38 ± 54	389 ± 170	119 ± 99	320 ± 358
CD8a + Collagen IV	685 ± 189	412 ± 140	726 ± 288	471 ± 102	787 ± 828
CD8a + FXIIIA	138 ± 66	252 ± 47	332 ± 123	488 ± 317	78 ± 25
CD8a + HLA-DR	3140 ± 26	947 ± 183	3218 ± 1414	5225 ± 2447	3693 ± 4004
CD8a + IL-22R	31 ± 23	1 ± 2	62 ± 61	71 ± 65	159 ± 170
CD8a + IL-23R	22 ± 1	12 ± 17	46 ± 21	50 ± 49	15 ± 21
CD8a + Ki67	48 ± 14	1 ± 2	23 ± 37	24 ± 37	36 ± 50
CD8a + PI	3317 ± 1218	704 ± 21	4578 ± 2526	8807 ± 7363	4925 ± 5806
CD8a + Podoplanin	332 ± 308	29 ± 10	352 ± 250	148 ± 215	422 ± 452
CD8a + SNA1	2073 ± 309	594 ± 40	1007 ± 411	702 ± 95	642 ± 473
CD8a + STAT3	159 ± 62	15 ± 16	30 ± 26	8 ± 10	17 ± 24
CD8a + TIA1	652 ± 336	22 ± 31	950 ± 282	1964 ± 1939	1281 ± 1512
CD8a + Vimentin	1850 ± 838	700 ± 86	2892 ± 1250	1648 ± 316	2468 ± 2973

Tabelle 124: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	4 ± 1	3075 ± 4348	20 ± 29	0 ± 0	4 ± 6
CK14 + BCL2	7406 ± 1384	710 ± 399	4609 ± 6929	1548 ± 708	1014 ± 492
CK14 + CCR6	501 ± 308	374 ± 484	571 ± 405	1072 ± 221	246 ± 153
CK14 + CD11a	3490 ± 2761	9 ± 11	1259 ± 572	164 ± 213	995 ± 1001
CK14 + CD11b	467 ± 28	0 ± 0	1262 ± 1328	358 ± 418	926 ± 1265
CK14 + CD120a	836 ± 473	67 ± 18	291 ± 157	167 ± 128	367 ± 81
CK14 + CD120b	84 ± 73	13 ± 15	159 ± 185	46 ± 43	77 ± 89
CK14 + CD138	113088 ± 21209	19692 ± 236	60569 ± 14872	46008 ± 40158	40428 ± 44940
CK14 + CD15	67 ± 94	43 ± 61	370 ± 492	20 ± 4	13 ± 8
CK14 + CD1a	5087 ± 4	940 ± 1279	1045 ± 697	3197 ± 2643	1247 ± 34
CK14 + CD2	3484 ± 3874	24 ± 29	1397 ± 598	589 ± 460	1096 ± 1274
CK14 + CD207	2230 ± 397	623 ± 75	2513 ± 571	2211 ± 840	869 ± 565
CK14 + CD24	18 ± 25	14 ± 20	276 ± 246	211 ± 182	488 ± 690
CK14 + CD28	2550 ± 3292	11 ± 3	171 ± 140	115 ± 95	165 ± 233
CK14 + CD29	39165 ± 14263	10046 ± 6539	23345 ± 4244	15084 ± 7192	17004 ± 12840
CK14 + CD3	2410 ± 2680	47 ± 27	2507 ± 1293	968 ± 858	1129 ± 1263
CK14 + CD31	93 ± 78	37 ± 38	31 ± 27	4 ± 6	16 ± 23
CK14 + CD4	2275 ± 2912	5 ± 7	683 ± 816	84 ± 66	383 ± 499
CK14 + CD44	48851 ± 13648	9114 ± 3896	44128 ± 8587	32300 ± 22019	33105 ± 28684
CK14 + CD45	4341 ± 4733	24 ± 29	1737 ± 1799	142 ± 114	275 ± 375
CK14 + CD45RA	483 ± 533	22 ± 32	274 ± 307	43 ± 36	565 ± 702
CK14 + CD45RO	2694 ± 3112	23 ± 32	1090 ± 154	724 ± 610	319 ± 452
CK14 + CD52	296 ± 273	25 ± 24	1968 ± 3315	56 ± 50	62 ± 58
CK14 + CD54	9598 ± 13400	0 ± 0	2024 ± 2788	692 ± 711	2802 ± 3959
CK14 + CD56	98 ± 15	622 ± 868	192 ± 64	66 ± 43	114 ± 42
CK14 + CD58	27919 ± 14426	4739 ± 6494	13364 ± 12031	16755 ± 15809	19800 ± 22235
CK14 + CD62E	15 ± 21	37 ± 52	59 ± 86	1 ± 0	0 ± 0
CK14 + CD62P	4 ± 5	55 ± 78	31 ± 41	19 ± 33	0 ± 0
CK14 + CD68	777 ± 766	1428 ± 165	522 ± 147	670 ± 720	2650 ± 328
CK14 + CD7	3343 ± 2682	10 ± 0	2215 ± 1115	336 ± 179	879 ± 1183
CK14 + CD8a	1248 ± 62	33 ± 31	747 ± 91	471 ± 488	1086 ± 1246
CK14 + CLA	1669 ± 755	9 ± 6	859 ± 415	1014 ± 769	1350 ± 1363
CK14 + c-myc	41062 ± 24789	12094 ± 17091	16228 ± 8865	12061 ± 6469	17343 ± 1447
CK14 + Collagen IV	6230 ± 2365	2032 ± 553	8528 ± 4316	3409 ± 1178	6503 ± 7101
CK14 + FXIIIA	53 ± 64	35 ± 48	55 ± 40	12 ± 5	77 ± 20
CK14 + HLA-DR	29737 ± 2753	4192 ± 1925	12231 ± 9806	12485 ± 7540	18913 ± 17392
CK14 + IL-22R	14364 ± 3513	3217 ± 3224	2925 ± 3073	2944 ± 2078	19657 ± 11983
CK14 + IL-23R	12946 ± 1723	7138 ± 8996	5816 ± 4730	4734 ± 2092	402 ± 172
CK14 + Ki67	5749 ± 1337	1258 ± 978	2751 ± 4610	1460 ± 1469	6737 ± 6604
CK14 + PI	40906 ± 18949	12108 ± 7	26813 ± 931	31816 ± 17136	28942 ± 12714
CK14 + Podoplanin	4531 ± 5975	1445 ± 2037	16230 ± 16280	320 ± 513	4732 ± 6625
CK14 + SNA1	20519 ± 8625	3687 ± 3117	10602 ± 824	6800 ± 1468	5687 ± 4009
CK14 + STAT3	49382 ± 11601	16455 ± 6330	30599 ± 28098	9873 ± 7393	3877 ± 4455
CK14 + TIA1	147 ± 0	74 ± 105	232 ± 196	39 ± 29	153 ± 128
CK14 + Vimentin	10284 ± 4487	3113 ± 687	8503 ± 2829	6891 ± 786	9073 ± 9468

Tabelle 125: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	66 ± 93	35 ± 18	52 ± 90	16 ± 16	8 ± 10
CLA + BCL2	560 ± 416	69 ± 97	1270 ± 1115	1105 ± 637	324 ± 39
CLA + CCR6	286 ± 354	32 ± 45	534 ± 395	395 ± 262	298 ± 398
CLA + CD11a	3286 ± 1965	132 ± 31	4569 ± 1570	2847 ± 1389	2587 ± 1685
CLA + CD11b	790 ± 429	107 ± 35	2553 ± 2270	1000 ± 547	1357 ± 821
CLA + CD120a	199 ± 177	0 ± 0	70 ± 10	64 ± 23	36 ± 27
CLA + CD120b	215 ± 200	21 ± 4	348 ± 32	1596 ± 1399	230 ± 253
CLA + CD138	1191 ± 478	15 ± 21	370 ± 380	415 ± 536	502 ± 681
CLA + CD15	305 ± 270	16 ± 23	2182 ± 2571	32 ± 23	38 ± 54
CLA + CD1a	479 ± 408	4 ± 3	105 ± 20	475 ± 472	117 ± 117
CLA + CD2	2771 ± 2595	133 ± 24	3787 ± 1509	3674 ± 1835	2197 ± 2005
CLA + CD207	417 ± 278	1 ± 1	359 ± 387	589 ± 392	210 ± 199
CLA + CD24	189 ± 94	22 ± 23	1867 ± 2233	106 ± 6	41 ± 10
CLA + CD28	1396 ± 1179	26 ± 35	2139 ± 1007	2719 ± 1520	1027 ± 1119
CLA + CD29	1026 ± 988	37 ± 10	596 ± 214	384 ± 53	470 ± 219
CLA + CD3	2447 ± 2032	289 ± 242	4675 ± 1711	4230 ± 2123	2560 ± 1758
CLA + CD31	61 ± 74	2 ± 1	255 ± 259	73 ± 63	15 ± 4
CLA + CD4	2403 ± 2321	72 ± 37	3506 ± 1608	3217 ± 1759	2076 ± 1493
CLA + CD44	3687 ± 2420	511 ± 374	4862 ± 1365	3742 ± 697	2851 ± 1987
CLA + CD45	3176 ± 2532	169 ± 103	3907 ± 1251	2652 ± 690	1383 ± 1227
CLA + CD45RA	1147 ± 932	83 ± 0	1602 ± 863	876 ± 611	971 ± 764
CLA + CD45RO	2214 ± 1945	33 ± 47	3195 ± 1259	2848 ± 1819	867 ± 1193
CLA + CD52	1211 ± 549	259 ± 302	2818 ± 1189	2535 ± 1668	1278 ± 1562
CLA + CD54	2283 ± 3078	123 ± 33	2778 ± 1648	1836 ± 989	1565 ± 635
CLA + CD56	101 ± 52	26 ± 17	129 ± 72	38 ± 23	87 ± 37
CLA + CD58	501 ± 248	59 ± 72	984 ± 1239	1442 ± 1247	674 ± 852
CLA + CD62E	11 ± 2	2 ± 3	1039 ± 1725	21 ± 18	2 ± 3
CLA + CD62P	16 ± 20	1 ± 2	75 ± 100	8 ± 5	1 ± 0
CLA + CD68	341 ± 407	56 ± 72	1217 ± 485	331 ± 155	817 ± 708
CLA + CD7	1931 ± 1578	45 ± 19	2927 ± 1167	2552 ± 732	1376 ± 1417
CLA + CD8a	1381 ± 678	314 ± 197	1904 ± 799	2346 ± 1022	1791 ± 1297
CLA + CK14	1669 ± 755	9 ± 6	859 ± 415	1014 ± 769	1350 ± 1363
CLA + c-myc	454 ± 99	34 ± 47	429 ± 242	117 ± 100	184 ± 129
CLA + Collagen IV	545 ± 469	102 ± 18	1103 ± 904	223 ± 76	346 ± 298
CLA + FXIIIA	107 ± 84	88 ± 103	289 ± 111	175 ± 56	112 ± 57
CLA + HLA-DR	3675 ± 851	392 ± 272	3593 ± 1917	3306 ± 688	2882 ± 2163
CLA + IL-22R	166 ± 129	0 ± 0	31 ± 18	41 ± 15	202 ± 244
CLA + IL-23R	134 ± 85	7 ± 10	222 ± 165	55 ± 49	15 ± 12
CLA + Ki67	108 ± 37	0 ± 0	58 ± 99	23 ± 15	104 ± 88
CLA + PI	2945 ± 2231	229 ± 144	4127 ± 2834	3305 ± 885	2558 ± 1758
CLA + Podoplanin	446 ± 585	25 ± 8	370 ± 163	111 ± 166	281 ± 234
CLA + SNA1	2231 ± 1275	247 ± 223	1934 ± 874	753 ± 208	509 ± 331
CLA + STAT3	393 ± 98	19 ± 27	145 ± 135	42 ± 56	12 ± 8
CLA + TIA1	376 ± 26	23 ± 32	1863 ± 1903	471 ± 382	435 ± 457
CLA + Vimentin	2596 ± 1384	384 ± 346	3320 ± 1764	1865 ± 444	2356 ± 2234

Tabelle 126: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	513 ± 224	3752 ± 5306	1553 ± 2677	0 ± 0	2827 ± 3963
c-myc + BCL2	3755 ± 1772	295 ± 416	934 ± 943	621 ± 378	1052 ± 500
c-myc + CCR6	515 ± 426	821 ± 1160	186 ± 84	353 ± 192	154 ± 174
c-myc + CD11a	1443 ± 617	11 ± 16	1555 ± 1501	82 ± 106	409 ± 343
c-myc + CD11b	725 ± 42	41 ± 57	640 ± 213	283 ± 241	1240 ± 1097
c-myc + CD120a	419 ± 296	34 ± 48	254 ± 226	46 ± 34	63 ± 39
c-myc + CD120b	105 ± 99	46 ± 65	101 ± 118	56 ± 48	63 ± 80
c-myc + CD138	22813 ± 19648	11505 ± 16254	1642 ± 150	1823 ± 948	4620 ± 4449
c-myc + CD15	145 ± 205	232 ± 327	488 ± 379	23 ± 22	48 ± 68
c-myc + CD1a	1552 ± 1881	22 ± 28	10 ± 16	115 ± 135	523 ± 714
c-myc + CD2	654 ± 534	7 ± 10	470 ± 367	96 ± 78	301 ± 304
c-myc + CD207	688 ± 863	338 ± 479	53 ± 3	98 ± 124	309 ± 402
c-myc + CD24	55 ± 78	52 ± 74	320 ± 107	26 ± 16	56 ± 72
c-myc + CD28	465 ± 444	5 ± 8	282 ± 66	71 ± 70	138 ± 183
c-myc + CD29	12295 ± 603	3211 ± 4535	8337 ± 1608	3644 ± 2933	9382 ± 10019
c-myc + CD3	562 ± 434	216 ± 306	1369 ± 824	395 ± 327	386 ± 307
c-myc + CD31	309 ± 34	290 ± 411	1797 ± 3050	0 ± 0	2290 ± 3186
c-myc + CD4	1131 ± 1130	14 ± 20	1042 ± 960	103 ± 106	986 ± 1073
c-myc + CD44	8754 ± 3267	4582 ± 6479	5341 ± 2392	2333 ± 1667	6305 ± 192
c-myc + CD45	1226 ± 858	16 ± 23	1208 ± 1224	53 ± 60	134 ± 161
c-myc + CD45RA	567 ± 606	521 ± 736	444 ± 503	46 ± 26	323 ± 358
c-myc + CD45RO	664 ± 585	321 ± 454	394 ± 165	187 ± 162	113 ± 114
c-myc + CD52	162 ± 54	264 ± 373	1078 ± 1279	25 ± 27	273 ± 365
c-myc + CD54	2375 ± 2600	242 ± 343	3089 ± 2134	177 ± 153	3795 ± 5110
c-myc + CD56	512 ± 532	1508 ± 2132	432 ± 172	93 ± 81	256 ± 251
c-myc + CD58	8699 ± 10344	256 ± 346	3678 ± 3052	1550 ± 1297	4246 ± 750
c-myc + CD62E	32 ± 8	77 ± 109	594 ± 981	1 ± 1	358 ± 506
c-myc + CD62P	47 ± 21	110 ± 156	665 ± 1094	0 ± 1	1194 ± 1656
c-myc + CD68	899 ± 598	1350 ± 1909	672 ± 896	114 ± 78	2592 ± 2018
c-myc + CD7	895 ± 437	10 ± 14	817 ± 748	79 ± 56	188 ± 228
c-myc + CD8a	484 ± 234	38 ± 54	389 ± 170	119 ± 99	320 ± 358
c-myc + CK14	41062 ± 24789	12094 ± 17091	16228 ± 8865	12061 ± 6469	17343 ± 1447
c-myc + CLA	454 ± 99	34 ± 47	429 ± 242	117 ± 100	184 ± 129
c-myc + Collagen IV	9873 ± 182	1933 ± 2734	14843 ± 6348	3859 ± 1943	13856 ± 17409
c-myc + FXIIIA	599 ± 251	974 ± 1378	208 ± 243	85 ± 31	585 ± 48
c-myc + HLA-DR	9461 ± 6003	2579 ± 3646	3389 ± 1634	1453 ± 1007	6242 ± 3651
c-myc + IL-22R	7937 ± 8146	511 ± 707	71 ± 65	335 ± 445	3982 ± 4899
c-myc + IL-23R	8866 ± 245	582 ± 807	2146 ± 1918	1927 ± 1255	352 ± 165
c-myc + Ki67	712 ± 483	285 ± 403	75 ± 74	45 ± 18	237 ± 223
c-myc + PI	8252 ± 3547	6211 ± 8783	4046 ± 1417	1512 ± 1097	5117 ± 632
c-myc + Podoplanin	1053 ± 1179	2115 ± 2991	3588 ± 3256	118 ± 174	1096 ± 1273
c-myc + SNA1	19104 ± 58	2862 ± 4048	13423 ± 3709	5371 ± 2537	9366 ± 9539
c-myc + STAT3	23967 ± 18526	7559 ± 10674	2262 ± 1838	2404 ± 2117	549 ± 340
c-myc + TIA1	180 ± 68	343 ± 485	346 ± 227	9 ± 6	144 ± 137
c-myc + Vimentin	4552 ± 1038	2841 ± 4018	3764 ± 1698	1393 ± 782	6084 ± 5887

Tabelle 127: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	6598 ± 1876	3024 ± 950	3717 ± 4986	2703 ± 2354	4874 ± 3882
Collagen IV + BCL2	712 ± 285	40 ± 40	1221 ± 1357	407 ± 264	314 ± 339
Collagen IV + CCR6	84 ± 106	59 ± 83	163 ± 109	48 ± 30	86 ± 117
Collagen IV + CD11a	3120 ± 2236	228 ± 87	2509 ± 1245	509 ± 343	1323 ± 1282
Collagen IV + CD11b	1303 ± 1166	226 ± 173	2213 ± 1932	541 ± 152	2275 ± 1506
Collagen IV + CD120a	75 ± 83	4 ± 2	259 ± 232	43 ± 21	38 ± 20
Collagen IV + CD120b	539 ± 536	381 ± 162	266 ± 130	585 ± 283	346 ± 249
Collagen IV + CD138	1279 ± 301	746 ± 476	799 ± 72	209 ± 268	364 ± 510
Collagen IV + CD15	373 ± 521	73 ± 103	1391 ± 1496	82 ± 78	82 ± 116
Collagen IV + CD1a	6 ± 8	17 ± 24	3 ± 5	43 ± 43	22 ± 31
Collagen IV + CD2	1792 ± 2108	143 ± 129	1402 ± 668	1396 ± 1047	913 ± 1112
Collagen IV + CD207	25 ± 30	26 ± 5	39 ± 31	51 ± 61	116 ± 165
Collagen IV + CD24	379 ± 408	304 ± 80	1396 ± 1154	258 ± 151	300 ± 59
Collagen IV + CD28	1864 ± 1919	38 ± 46	1244 ± 588	1562 ± 813	829 ± 1015
Collagen IV + CD29	14358 ± 3386	2520 ± 1295	10531 ± 3668	5196 ± 2247	9743 ± 7979
Collagen IV + CD3	3098 ± 3163	1527 ± 1312	3406 ± 1169	2683 ± 1007	2103 ± 1304
Collagen IV + CD31	6531 ± 5036	1602 ± 152	8488 ± 2488	4574 ± 1836	4150 ± 1941
Collagen IV + CD4	6607 ± 7535	509 ± 581	2770 ± 1771	2523 ± 974	3720 ± 1817
Collagen IV + CD44	11408 ± 7667	7850 ± 1330	6157 ± 1056	3889 ± 3061	5347 ± 3464
Collagen IV + CD45	2999 ± 2862	235 ± 2	2249 ± 1382	711 ± 81	601 ± 693
Collagen IV + CD45RA	1520 ± 1192	189 ± 50	579 ± 215	270 ± 79	943 ± 1055
Collagen IV + CD45RO	1289 ± 1063	30 ± 31	977 ± 322	809 ± 521	370 ± 509
Collagen IV + CD52	1570 ± 1250	665 ± 837	2376 ± 441	1674 ± 1302	1264 ± 1772
Collagen IV + CD54	14129 ± 11032	3031 ± 47	9617 ± 2406	4613 ± 1965	8238 ± 4409
Collagen IV + CD56	1277 ± 1039	1069 ± 113	1714 ± 360	712 ± 74	976 ± 441
Collagen IV + CD58	2509 ± 1593	1172 ± 1584	5639 ± 4428	3090 ± 2768	3379 ± 2188
Collagen IV + CD62E	619 ± 460	3 ± 4	1357 ± 1155	469 ± 446	335 ± 473
Collagen IV + CD62P	1763 ± 1601	465 ± 264	1358 ± 724	777 ± 393	1346 ± 1284
Collagen IV + CD68	1273 ± 260	1415 ± 911	1228 ± 1367	1107 ± 881	3055 ± 2527
Collagen IV + CD7	1856 ± 2057	131 ± 139	1355 ± 585	899 ± 675	555 ± 683
Collagen IV + CD8a	685 ± 189	412 ± 140	726 ± 288	471 ± 102	787 ± 828
Collagen IV + CK14	6230 ± 2365	2032 ± 553	8528 ± 4316	3409 ± 1178	6503 ± 7101
Collagen IV + CLA	545 ± 469	102 ± 18	1103 ± 904	223 ± 76	346 ± 298
Collagen IV + c-myc	9873 ± 182	1933 ± 2734	14843 ± 6348	3859 ± 1943	13856 ± 17409
Collagen IV + FXIIIA	270 ± 214	654 ± 321	508 ± 265	414 ± 227	577 ± 50
Collagen IV + HLA-DR	13481 ± 1421	6202 ± 534	5871 ± 3937	4953 ± 2999	8621 ± 6250
Collagen IV + IL-22R	5 ± 4	21 ± 28	67 ± 48	29 ± 15	109 ± 135
Collagen IV + IL-23R	124 ± 174	19 ± 10	457 ± 325	68 ± 71	42 ± 57
Collagen IV + Ki67	120 ± 35	30 ± 42	40 ± 36	56 ± 72	108 ± 149
Collagen IV + PI	8655 ± 5291	3158 ± 217	7348 ± 2459	5166 ± 1065	5817 ± 4560
Collagen IV + Podoplanin	3886 ± 2805	1390 ± 750	4396 ± 1703	917 ± 1128	2573 ± 2223
Collagen IV + SNA1	27715 ± 6743	8666 ± 1893	21872 ± 2127	11365 ± 3262	13605 ± 6426
Collagen IV + STAT3	117 ± 148	1002 ± 238	187 ± 305	26 ± 32	41 ± 58
Collagen IV + TIA1	399 ± 410	70 ± 8	1200 ± 766	106 ± 90	249 ± 330
Collagen IV + Vimentin	8866 ± 2024	5445 ± 764	9221 ± 2267	4070 ± 1949	6841 ± 7964

Tabelle 128: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	537 ± 704	605 ± 159	167 ± 275	82 ± 106	94 ± 94
FXIIIA + BCL2	306 ± 256	35 ± 50	1150 ± 1057	632 ± 480	167 ± 77
FXIIIA + CCR6	523 ± 720	427 ± 602	509 ± 452	365 ± 295	138 ± 84
FXIIIA + CD11a	509 ± 414	109 ± 8	1822 ± 1022	727 ± 513	264 ± 92
FXIIIA + CD11b	1051 ± 193	445 ± 242	1156 ± 883	3409 ± 1296	3247 ± 2159

Epitop	APS	UPS	W02	W06	W12
FXIIIA + CD120a	2 ± 1	0 ± 0	34 ± 25	36 ± 47	12 ± 8
FXIIIA + CD120b	17 ± 23	69 ± 71	35 ± 9	434 ± 378	22 ± 14
FXIIIA + CD138	229 ± 316	464 ± 654	149 ± 215	28 ± 25	34 ± 19
FXIIIA + CD15	165 ± 187	188 ± 266	398 ± 248	33 ± 52	11 ± 9
FXIIIA + CD1a	0 ± 0	7 ± 10	0 ± 0	9 ± 6	0 ± 0
FXIIIA + CD2	436 ± 472	131 ± 46	1608 ± 1113	1620 ± 1378	204 ± 189
FXIIIA + CD207	1 ± 1	2 ± 3	2 ± 2	17 ± 4	1 ± 2
FXIIIA + CD24	31 ± 18	64 ± 78	256 ± 178	36 ± 34	45 ± 48
FXIIIA + CD28	156 ± 92	11 ± 6	917 ± 757	1202 ± 971	71 ± 47
FXIIIA + CD29	600 ± 455	610 ± 111	386 ± 378	278 ± 240	600 ± 155
FXIIIA + CD3	427 ± 412	427 ± 335	1851 ± 1004	2308 ± 1804	292 ± 0
FXIIIA + CD31	34 ± 23	153 ± 177	189 ± 138	146 ± 41	222 ± 6
FXIIIA + CD4	1047 ± 1208	298 ± 304	1970 ± 1518	2203 ± 1462	725 ± 309
FXIIIA + CD44	4023 ± 2467	3163 ± 443	2817 ± 2225	3509 ± 1754	2867 ± 2833
FXIIIA + CD45	637 ± 664	153 ± 77	1662 ± 1142	829 ± 363	133 ± 31
FXIIIA + CD45RA	481 ± 506	497 ± 561	437 ± 59	214 ± 199	315 ± 86
FXIIIA + CD45RO	421 ± 417	326 ± 442	1247 ± 394	1398 ± 1201	131 ± 55
FXIIIA + CD52	255 ± 154	430 ± 589	1331 ± 719	1245 ± 1131	161 ± 217
FXIIIA + CD54	1232 ± 1582	236 ± 47	1864 ± 817	1693 ± 985	899 ± 217
FXIIIA + CD56	1098 ± 653	1040 ± 550	428 ± 362	298 ± 141	427 ± 589
FXIIIA + CD58	94 ± 46	265 ± 140	692 ± 890	578 ± 509	120 ± 49
FXIIIA + CD62E	12 ± 17	36 ± 50	102 ± 153	39 ± 49	22 ± 22
FXIIIA + CD62P	18 ± 26	33 ± 41	80 ± 127	26 ± 19	52 ± 5
FXIIIA + CD68	1857 ± 2080	424 ± 273	2056 ± 1079	2471 ± 537	2061 ± 162
FXIIIA + CD7	209 ± 203	17 ± 1	811 ± 565	639 ± 181	71 ± 59
FXIIIA + CD8a	138 ± 66	252 ± 47	332 ± 123	488 ± 317	78 ± 25
FXIIIA + CK14	53 ± 64	35 ± 48	55 ± 40	12 ± 5	77 ± 20
FXIIIA + CLA	107 ± 84	88 ± 103	289 ± 111	175 ± 56	112 ± 57
FXIIIA + c-myc	599 ± 251	974 ± 1378	208 ± 243	85 ± 31	585 ± 48
FXIIIA + Collagen IV	270 ± 214	654 ± 321	508 ± 265	414 ± 227	577 ± 50
FXIIIA + HLA-DR	5581 ± 1029	3694 ± 465	3733 ± 4439	4726 ± 2475	5065 ± 4497
FXIIIA + IL-22R	29 ± 41	0 ± 0	15 ± 19	20 ± 24	4 ± 6
FXIIIA + IL-23R	150 ± 36	75 ± 93	319 ± 267	366 ± 81	138 ± 16
FXIIIA + Ki67	57 ± 73	0 ± 0	27 ± 21	18 ± 22	18 ± 14
FXIIIA + PI	2250 ± 1261	1157 ± 109	2510 ± 1716	3225 ± 1009	1845 ± 781
FXIIIA + Podoplanin	553 ± 584	735 ± 565	172 ± 64	168 ± 154	460 ± 451
FXIIIA + SNA1	2937 ± 634	2628 ± 847	1387 ± 1570	1733 ± 1954	2531 ± 2382
FXIIIA + STAT3	278 ± 296	693 ± 865	265 ± 237	12 ± 10	61 ± 78
FXIIIA + TIA1	142 ± 151	262 ± 371	348 ± 136	81 ± 65	89 ± 49
FXIIIA + Vimentin	3605 ± 963	3306 ± 101	3527 ± 1844	3990 ± 1873	3156 ± 1298

Tabelle 129: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	4660 ± 385	3428 ± 1505	1560 ± 2348	1699 ± 1744	2232 ± 772
HLA-DR + BCL2	2605 ± 112	284 ± 2	4766 ± 5320	3116 ± 1744	732 ± 175
HLA-DR + CCR6	1299 ± 1660	484 ± 652	1806 ± 1127	1701 ± 1256	979 ± 1208
HLA-DR + CD11a	15550 ± 4158	704 ± 177	16731 ± 4812	9080 ± 5313	8608 ± 7815
HLA-DR + CD11b	5777 ± 489	974 ± 86	3835 ± 1515	8360 ± 1842	12966 ± 3846
HLA-DR + CD120a	619 ± 45	35 ± 19	927 ± 704	561 ± 318	295 ± 209
HLA-DR + CD120b	2430 ± 1080	1066 ± 738	1478 ± 375	6693 ± 4938	1744 ± 539
HLA-DR + CD138	23058 ± 2555	4010 ± 1379	7525 ± 8463	7200 ± 6950	9177 ± 10329
HLA-DR + CD15	684 ± 627	250 ± 354	1612 ± 960	134 ± 118	101 ± 113
HLA-DR + CD1a	3841 ± 859	474 ± 625	438 ± 350	2425 ± 1949	986 ± 314
HLA-DR + CD2	8587 ± 5239	421 ± 118	9645 ± 3482	11345 ± 6836	6358 ± 7513
HLA-DR + CD207	2349 ± 268	513 ± 71	1460 ± 972	2216 ± 892	1263 ± 286
HLA-DR + CD24	1928 ± 749	941 ± 581	1837 ± 158	1568 ± 377	1570 ± 49
HLA-DR + CD28	7191 ± 4446	95 ± 100	8816 ± 3154	11134 ± 6765	4436 ± 5277
HLA-DR + CD29	19844 ± 3661	4597 ± 3445	6961 ± 6238	7080 ± 1689	9852 ± 3907
HLA-DR + CD3	11132 ± 5697	2778 ± 2514	16723 ± 5270	18277 ± 10619	9801 ± 7556
HLA-DR + CD31	4268 ± 2051	1703 ± 413	3166 ± 2425	3182 ± 862	2972 ± 170
HLA-DR + CD4	14347 ± 11379	980 ± 860	13490 ± 4822	14504 ± 7894	11121 ± 6059
HLA-DR + CD44	47654 ± 12621	19576 ± 4486	31044 ± 14131	34383 ± 3207	32414 ± 15759
HLA-DR + CD45	15626 ± 8974	870 ± 446	14592 ± 4009	9481 ± 2695	5014 ± 5297
HLA-DR + CD45RA	5675 ± 2980	792 ± 369	3751 ± 780	3143 ± 1625	3779 ± 3149
HLA-DR + CD45RO	8523 ± 3791	291 ± 371	8771 ± 2802	10926 ± 7444	3342 ± 4524
HLA-DR + CD52	6098 ± 245	1678 ± 2171	10860 ± 3396	10289 ± 7879	5290 ± 7181
HLA-DR + CD54	22923 ± 21656	4155 ± 659	15971 ± 3881	13865 ± 6508	14703 ± 4554
HLA-DR + CD56	1969 ± 620	1037 ± 582	1038 ± 856	929 ± 45	1139 ± 378
HLA-DR + CD58	11176 ± 5887	3294 ± 4269	7325 ± 6670	10920 ± 8783	8809 ± 7079
HLA-DR + CD62E	979 ± 7	42 ± 59	831 ± 1016	531 ± 453	375 ± 504
HLA-DR + CD62P	1979 ± 695	846 ± 765	1072 ± 1036	1023 ± 615	1524 ± 538
HLA-DR + CD68	3685 ± 2863	1650 ± 1285	4433 ± 1856	4455 ± 1157	7120 ± 4464
HLA-DR + CD7	7168 ± 5336	203 ± 190	8754 ± 3583	8533 ± 2206	4005 ± 4800
HLA-DR + CD8a	3140 ± 26	947 ± 183	3218 ± 1414	5225 ± 2447	3693 ± 4004
HLA-DR + CK14	29737 ± 2753	4192 ± 1925	12231 ± 9806	12485 ± 7540	18913 ± 17392
HLA-DR + CLA	3675 ± 851	392 ± 272	3593 ± 1917	3306 ± 688	2882 ± 2163
HLA-DR + c-myc	9461 ± 6003	2579 ± 3646	3389 ± 1634	1453 ± 1007	6242 ± 3651
HLA-DR + Collagen IV	13481 ± 1421	6202 ± 534	5871 ± 3937	4953 ± 2999	8621 ± 6250
HLA-DR + FXIIIA	5581 ± 1029	3694 ± 465	3733 ± 4439	4726 ± 2475	5065 ± 4497
HLA-DR + IL-22R	3047 ± 246	1514 ± 1615	545 ± 624	781 ± 611	4493 ± 2556
HLA-DR + IL-23R	2159 ± 468	2037 ± 2353	1108 ± 266	745 ± 246	175 ± 36
HLA-DR + Ki67	972 ± 238	240 ± 105	576 ± 976	192 ± 172	1297 ± 1311
HLA-DR + PI	25086 ± 6173	6832 ± 433	15405 ± 11658	20297 ± 3786	18649 ± 11781
HLA-DR + Podoplanin	5372 ± 4550	1277 ± 1160	3790 ± 2145	1302 ± 1644	4783 ± 3859
HLA-DR + SNA1	31135 ± 2410	10186 ± 2035	9074 ± 7691	9556 ± 3727	11211 ± 692
HLA-DR + STAT3	8168 ± 2478	3758 ± 2333	895 ± 608	575 ± 463	331 ± 202
HLA-DR + TIA1	1283 ± 614	269 ± 278	1342 ± 277	1021 ± 579	1259 ± 1489
HLA-DR + Vimentin	25822 ± 787	10963 ± 3062	16732 ± 11429	16037 ± 5209	18616 ± 11016

Tabelle 130: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 0	35 ± 27	2 ± 3	3 ± 6	3 ± 4
IL-22R + BCL2	297 ± 20	348 ± 361	127 ± 156	102 ± 41	258 ± 327
IL-22R + CCR6	69 ± 24	26 ± 0	27 ± 8	103 ± 105	117 ± 129
IL-22R + CD11a	96 ± 61	0 ± 0	133 ± 141	72 ± 70	147 ± 133
IL-22R + CD11b	2 ± 3	0 ± 0	9 ± 6	43 ± 45	143 ± 203
IL-22R + CD120a	254 ± 65	22 ± 15	14 ± 5	41 ± 28	90 ± 5
IL-22R + CD120b	1 ± 2	1 ± 1	18 ± 20	64 ± 68	9 ± 7
IL-22R + CD138	11032 ± 2011	3257 ± 3254	2213 ± 2825	1840 ± 1674	11184 ± 8957
IL-22R + CD15	0 ± 0	1 ± 1	8 ± 9	2 ± 2	0 ± 0
IL-22R + CD1a	1264 ± 151	493 ± 692	24 ± 14	154 ± 113	472 ± 272
IL-22R + CD2	103 ± 84	0 ± 0	106 ± 105	96 ± 79	148 ± 129
IL-22R + CD207	427 ± 243	142 ± 46	56 ± 56	133 ± 106	319 ± 290
IL-22R + CD24	0 ± 0	0 ± 0	6 ± 5	6 ± 3	60 ± 85
IL-22R + CD28	106 ± 149	0 ± 0	85 ± 94	87 ± 85	24 ± 33
IL-22R + CD29	728 ± 153	2030 ± 2633	283 ± 150	336 ± 52	2176 ± 68
IL-22R + CD3	61 ± 76	2 ± 3	169 ± 149	143 ± 118	139 ± 117
IL-22R + CD31	1 ± 1	26 ± 37	23 ± 37	42 ± 40	3 ± 4
IL-22R + CD4	50 ± 61	0 ± 0	133 ± 172	102 ± 103	37 ± 44
IL-22R + CD44	2325 ± 363	2410 ± 2219	1454 ± 1431	1178 ± 635	8590 ± 4017
IL-22R + CD45	233 ± 225	3 ± 5	181 ± 143	84 ± 69	55 ± 64
IL-22R + CD45RA	8 ± 10	1 ± 1	34 ± 41	21 ± 27	72 ± 102
IL-22R + CD45RO	104 ± 115	0 ± 0	65 ± 33	87 ± 78	46 ± 65
IL-22R + CD52	13 ± 12	0 ± 0	168 ± 152	98 ± 96	21 ± 14
IL-22R + CD54	212 ± 297	44 ± 63	159 ± 164	91 ± 92	350 ± 495
IL-22R + CD56	2 ± 3	0 ± 0	4 ± 4	12 ± 16	18 ± 25
IL-22R + CD58	4374 ± 2224	2305 ± 3260	507 ± 400	558 ± 256	5382 ± 4237
IL-22R + CD62E	3 ± 4	22 ± 31	0 ± 0	5 ± 4	0 ± 1
IL-22R + CD62P	0 ± 0	42 ± 59	4 ± 6	5 ± 5	1 ± 1
IL-22R + CD68	19 ± 17	105 ± 94	17 ± 15	39 ± 31	315 ± 71
IL-22R + CD7	67 ± 0	12 ± 16	117 ± 102	84 ± 52	138 ± 171
IL-22R + CD8a	31 ± 23	1 ± 2	62 ± 61	71 ± 65	159 ± 170
IL-22R + CK14	14364 ± 3513	3217 ± 3224	2925 ± 3073	2944 ± 2078	19657 ± 11983
IL-22R + CLA	166 ± 129	0 ± 0	31 ± 18	41 ± 15	202 ± 244
IL-22R + c-myc	7937 ± 8146	511 ± 707	71 ± 65	335 ± 445	3982 ± 4899
IL-22R + Collagen IV	5 ± 4	21 ± 28	67 ± 48	29 ± 15	109 ± 135
IL-22R + FXIIIA	29 ± 41	0 ± 0	15 ± 19	20 ± 24	4 ± 6
IL-22R + HLA-DR	3047 ± 246	1514 ± 1615	545 ± 624	781 ± 611	4493 ± 2556
IL-22R + IL-23R	2536 ± 48	2690 ± 3440	25 ± 7	568 ± 903	118 ± 83
IL-22R + Ki67	48 ± 0	85 ± 59	43 ± 73	19 ± 29	494 ± 470
IL-22R + PI	792 ± 144	1043 ± 1187	343 ± 158	796 ± 302	2748 ± 103
IL-22R + Podoplanin	36 ± 48	5 ± 7	347 ± 373	61 ± 98	662 ± 937
IL-22R + SNA1	314 ± 190	361 ± 502	116 ± 50	98 ± 32	332 ± 259
IL-22R + STAT3	10148 ± 5223	2994 ± 3704	199 ± 90	650 ± 938	1210 ± 1121
IL-22R + TIA1	11 ± 3	6 ± 8	15 ± 13	16 ± 10	36 ± 11
IL-22R + Vimentin	457 ± 138	325 ± 273	227 ± 91	290 ± 141	1206 ± 690

Tabelle 131: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	45 ± 52	29 ± 42	63 ± 104	86 ± 143	12 ± 17
IL-23R + BCL2	1576 ± 1198	549 ± 597	375 ± 232	470 ± 91	69 ± 24
IL-23R + CCR6	140 ± 77	44 ± 17	118 ± 69	308 ± 108	24 ± 9
IL-23R + CD11a	103 ± 14	4 ± 6	442 ± 305	96 ± 86	18 ± 25
IL-23R + CD11b	123 ± 64	28 ± 39	1143 ± 866	454 ± 180	123 ± 27
IL-23R + CD120a	509 ± 316	31 ± 37	401 ± 316	59 ± 9	69 ± 97
IL-23R + CD120b	7 ± 1	5 ± 2	54 ± 68	90 ± 98	2 ± 2
IL-23R + CD138	7872 ± 918	7344 ± 8799	986 ± 467	3001 ± 2294	359 ± 14
IL-23R + CD15	16 ± 22	16 ± 23	532 ± 719	7 ± 8	0 ± 0
IL-23R + CD1a	682 ± 86	927 ± 1298	61 ± 40	153 ± 82	46 ± 61
IL-23R + CD2	71 ± 64	7 ± 9	262 ± 156	236 ± 207	20 ± 20
IL-23R + CD207	378 ± 113	265 ± 239	87 ± 15	134 ± 106	1 ± 1
IL-23R + CD24	12 ± 17	2 ± 3	632 ± 543	7 ± 4	7 ± 8
IL-23R + CD28	57 ± 51	2 ± 2	200 ± 153	184 ± 182	4 ± 6
IL-23R + CD29	1675 ± 1979	4269 ± 5737	665 ± 391	247 ± 60	90 ± 56
IL-23R + CD3	49 ± 25	19 ± 28	431 ± 260	215 ± 184	13 ± 18
IL-23R + CD31	39 ± 55	3 ± 4	143 ± 102	127 ± 169	39 ± 56
IL-23R + CD4	52 ± 5	2 ± 0	500 ± 340	293 ± 257	38 ± 50
IL-23R + CD44	1906 ± 1837	4525 ± 5340	1225 ± 700	845 ± 482	129 ± 30
IL-23R + CD45	211 ± 179	19 ± 10	557 ± 456	133 ± 90	23 ± 30
IL-23R + CD45RA	3 ± 3	19 ± 27	64 ± 14	25 ± 20	35 ± 20
IL-23R + CD45RO	157 ± 139	29 ± 42	1009 ± 729	252 ± 200	101 ± 57
IL-23R + CD52	30 ± 15	16 ± 22	250 ± 167	195 ± 252	10 ± 12
IL-23R + CD54	274 ± 226	3 ± 4	942 ± 602	234 ± 195	137 ± 185
IL-23R + CD56	38 ± 12	38 ± 45	67 ± 8	28 ± 19	29 ± 40
IL-23R + CD58	2869 ± 1847	4548 ± 6391	643 ± 564	417 ± 246	115 ± 34
IL-23R + CD62E	19 ± 15	31 ± 45	257 ± 102	45 ± 64	11 ± 11
IL-23R + CD62P	9 ± 9	6 ± 8	157 ± 59	43 ± 62	34 ± 31
IL-23R + CD68	175 ± 103	331 ± 233	495 ± 64	422 ± 146	166 ± 79
IL-23R + CD7	64 ± 45	1 ± 2	208 ± 156	86 ± 61	4 ± 6
IL-23R + CD8a	22 ± 1	12 ± 17	46 ± 21	50 ± 49	15 ± 21
IL-23R + CK14	12946 ± 1723	7138 ± 8996	5816 ± 4730	4734 ± 2092	402 ± 172
IL-23R + CLA	134 ± 85	7 ± 10	222 ± 165	55 ± 49	15 ± 12
IL-23R + c-myc	8866 ± 245	582 ± 807	2146 ± 1918	1927 ± 1255	352 ± 165
IL-23R + Collagen IV	124 ± 174	19 ± 10	457 ± 325	68 ± 71	42 ± 57
IL-23R + FXIIIA	150 ± 36	75 ± 93	319 ± 267	366 ± 81	138 ± 16
IL-23R + HLA-DR	2159 ± 468	2037 ± 2353	1108 ± 266	745 ± 246	175 ± 36
IL-23R + IL-22R	2536 ± 48	2690 ± 3440	25 ± 7	568 ± 903	118 ± 83
IL-23R + Ki67	358 ± 216	290 ± 354	24 ± 12	8 ± 4	39 ± 54
IL-23R + PI	3032 ± 2199	3403 ± 4559	1095 ± 395	1005 ± 140	95 ± 27
IL-23R + Podoplanin	11 ± 15	29 ± 36	322 ± 411	12 ± 14	36 ± 22
IL-23R + SNA1	1174 ± 1232	602 ± 656	648 ± 190	273 ± 42	191 ± 24
IL-23R + STAT3	11152 ± 3791	7168 ± 9218	5229 ± 4730	3365 ± 1870	349 ± 196
IL-23R + TIA1	7 ± 4	14 ± 20	360 ± 269	13 ± 11	5 ± 7
IL-23R + Vimentin	816 ± 587	687 ± 671	1311 ± 383	610 ± 279	190 ± 58

Tabelle 132: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	22 ± 31	10 ± 14	13 ± 17	0 ± 0	0 ± 0
Ki67 + BCL2	1127 ± 139	50 ± 54	2292 ± 3935	66 ± 23	199 ± 158
Ki67 + CCR6	38 ± 26	4 ± 6	28 ± 17	18 ± 25	4 ± 5
Ki67 + CD11a	166 ± 24	0 ± 0	163 ± 273	25 ± 40	80 ± 37
Ki67 + CD11b	18 ± 4	0 ± 0	19 ± 32	15 ± 19	86 ± 15
Ki67 + CD120a	27 ± 24	6 ± 3	2 ± 4	5 ± 9	39 ± 38
Ki67 + CD120b	1 ± 0	1 ± 1	5 ± 7	21 ± 37	5 ± 6
Ki67 + CD138	2845 ± 1441	1037 ± 807	1319 ± 2262	200 ± 125	1555 ± 2054
Ki67 + CD15	1 ± 2	0 ± 0	0 ± 0	6 ± 5	1 ± 2
Ki67 + CD1a	68 ± 29	43 ± 61	2 ± 4	17 ± 30	103 ± 54
Ki67 + CD2	117 ± 47	0 ± 0	95 ± 138	34 ± 49	62 ± 53
Ki67 + CD207	85 ± 2	82 ± 39	41 ± 72	20 ± 31	103 ± 15
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	41 ± 36	52 ± 73
Ki67 + CD28	55 ± 14	0 ± 0	58 ± 98	24 ± 41	17 ± 1
Ki67 + CD29	1569 ± 483	636 ± 857	322 ± 544	268 ± 202	860 ± 437
Ki67 + CD3	100 ± 1	1 ± 1	143 ± 233	36 ± 55	98 ± 60
Ki67 + CD31	15 ± 20	2 ± 3	16 ± 27	18 ± 32	5 ± 7
Ki67 + CD4	100 ± 50	0 ± 0	74 ± 111	28 ± 38	72 ± 9
Ki67 + CD44	1889 ± 527	453 ± 341	968 ± 1648	402 ± 437	1399 ± 1377
Ki67 + CD45	167 ± 37	4 ± 5	79 ± 124	26 ± 39	27 ± 12
Ki67 + CD45RA	27 ± 33	0 ± 0	28 ± 41	1 ± 2	50 ± 67
Ki67 + CD45RO	133 ± 67	0 ± 0	94 ± 132	36 ± 53	26 ± 34
Ki67 + CD52	39 ± 12	1 ± 1	100 ± 152	28 ± 37	4 ± 6
Ki67 + CD54	240 ± 306	0 ± 0	44 ± 56	15 ± 5	299 ± 272
Ki67 + CD56	41 ± 2	1 ± 2	26 ± 22	8 ± 11	2 ± 0
Ki67 + CD58	560 ± 656	56 ± 79	15 ± 15	51 ± 53	711 ± 983
Ki67 + CD62E	0 ± 0	0 ± 0	4 ± 7	7 ± 6	1 ± 2
Ki67 + CD62P	0 ± 0	0 ± 0	5 ± 8	7 ± 6	1 ± 2
Ki67 + CD68	80 ± 102	147 ± 30	61 ± 64	33 ± 54	222 ± 185
Ki67 + CD7	89 ± 35	0 ± 0	62 ± 105	23 ± 23	65 ± 67
Ki67 + CD8a	48 ± 14	1 ± 2	23 ± 37	24 ± 37	36 ± 50
Ki67 + CK14	5749 ± 1337	1258 ± 978	2751 ± 4610	1460 ± 1469	6737 ± 6604
Ki67 + CLA	108 ± 37	0 ± 0	58 ± 99	23 ± 15	104 ± 88
Ki67 + c-myc	712 ± 483	285 ± 403	75 ± 74	45 ± 18	237 ± 223
Ki67 + Collagen IV	120 ± 35	30 ± 42	40 ± 36	56 ± 72	108 ± 149
Ki67 + FXIIIA	57 ± 73	0 ± 0	27 ± 21	18 ± 22	18 ± 14
Ki67 + HLA-DR	972 ± 238	240 ± 105	576 ± 976	192 ± 172	1297 ± 1311
Ki67 + IL-22R	48 ± 0	85 ± 59	43 ± 73	19 ± 29	494 ± 470
Ki67 + IL-23R	358 ± 216	290 ± 354	24 ± 12	8 ± 4	39 ± 54
Ki67 + PI	5489 ± 256	1250 ± 611	3107 ± 5233	1382 ± 1470	7408 ± 7482
Ki67 + Podoplanin	157 ± 210	8 ± 12	14 ± 25	5 ± 7	119 ± 165
Ki67 + SNA1	878 ± 666	212 ± 298	131 ± 183	181 ± 136	145 ± 114
Ki67 + STAT3	610 ± 339	917 ± 1192	9 ± 12	3 ± 4	229 ± 299
Ki67 + TIA1	4 ± 5	0 ± 0	1 ± 1	0 ± 0	3 ± 4
Ki67 + Vimentin	607 ± 45	279 ± 152	294 ± 455	181 ± 215	695 ± 728

Tabelle 133: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	3716 ± 1524	3124 ± 991	1728 ± 2379	2374 ± 2409	2706 ± 2186
PI + BCL2	9099 ± 318	658 ± 114	11383 ± 14576	7257 ± 4632	1678 ± 657
PI + CCR6	975 ± 1276	232 ± 315	1793 ± 2021	2126 ± 1713	810 ± 890
PI + CD11a	13292 ± 7870	497 ± 9	19627 ± 11619	13435 ± 10293	9445 ± 9773
PI + CD11b	3699 ± 1891	505 ± 240	3206 ± 2409	7024 ± 4671	7489 ± 4679
PI + CD120a	241 ± 12	27 ± 2	157 ± 113	223 ± 159	137 ± 46
PI + CD120b	1555 ± 1448	563 ± 279	924 ± 591	8728 ± 8062	1250 ± 625
PI + CD138	24291 ± 10269	9913 ± 1188	8849 ± 6412	11373 ± 13757	4364 ± 3963
PI + CD15	617 ± 695	67 ± 94	1547 ± 2116	152 ± 151	110 ± 140
PI + CD1a	722 ± 201	355 ± 497	130 ± 94	1329 ± 1097	356 ± 74
PI + CD2	10107 ± 8894	323 ± 83	13953 ± 8643	19310 ± 16541	8460 ± 10474
PI + CD207	817 ± 375	328 ± 113	531 ± 264	1353 ± 814	794 ± 238
PI + CD24	1243 ± 1120	516 ± 197	1824 ± 1714	1040 ± 174	866 ± 248
PI + CD28	6782 ± 5477	74 ± 90	9739 ± 7403	16832 ± 13666	5613 ± 7192
PI + CD29	22136 ± 12155	5468 ± 3979	10139 ± 3942	10392 ± 2090	8073 ± 1947
PI + CD3	11211 ± 8555	1847 ± 1515	19582 ± 12930	24337 ± 18798	11609 ± 11098
PI + CD31	4390 ± 3410	995 ± 214	4076 ± 2352	5682 ± 4850	3114 ± 848
PI + CD4	13421 ± 13025	636 ± 599	16429 ± 13436	20871 ± 16844	12076 ± 10171
PI + CD44	29234 ± 20459	9590 ± 959	23326 ± 9682	24830 ± 6744	15759 ± 8181
PI + CD45	13115 ± 10159	611 ± 193	16916 ± 12675	13518 ± 8810	5619 ± 6688
PI + CD45RA	4121 ± 3384	367 ± 2	4303 ± 2341	3683 ± 3191	3194 ± 3424
PI + CD45RO	8453 ± 6161	71 ± 92	10690 ± 6786	17059 ± 14868	4366 ± 6063
PI + CD52	4940 ± 2087	885 ± 1055	11508 ± 8214	15036 ± 14857	6377 ± 8813
PI + CD54	18439 ± 20001	2342 ± 514	13769 ± 10372	13437 ± 10111	11122 ± 4892
PI + CD56	952 ± 866	569 ± 426	1003 ± 457	659 ± 239	449 ± 19
PI + CD58	4988 ± 2273	2933 ± 4036	9321 ± 11978	13983 ± 12434	6309 ± 5480
PI + CD62E	619 ± 302	6 ± 9	1797 ± 1623	801 ± 810	357 ± 465
PI + CD62P	1264 ± 1026	536 ± 503	1003 ± 675	1059 ± 631	1281 ± 473
PI + CD68	2954 ± 2666	1470 ± 837	3482 ± 2376	4021 ± 519	5661 ± 3699
PI + CD7	7202 ± 6755	163 ± 151	10199 ± 7207	11507 ± 6786	4710 ± 5963
PI + CD8a	3317 ± 1218	704 ± 21	4578 ± 2526	8807 ± 7363	4925 ± 5806
PI + CK14	40906 ± 18949	12108 ± 7	26813 ± 931	31816 ± 17136	28942 ± 12714
PI + CLA	2945 ± 2231	229 ± 144	4127 ± 2834	3305 ± 885	2558 ± 1758
PI + c-myc	8252 ± 3547	6211 ± 8783	4046 ± 1417	1512 ± 1097	5117 ± 632
PI + Collagen IV	8655 ± 5291	3158 ± 217	7348 ± 2459	5166 ± 1065	5817 ± 4560
PI + FXIIIA	2250 ± 1261	1157 ± 109	2510 ± 1716	3225 ± 1009	1845 ± 781
PI + HLA-DR	25086 ± 6173	6832 ± 433	15405 ± 11658	20297 ± 3786	18649 ± 11781
PI + IL-22R	792 ± 144	1043 ± 1187	343 ± 158	796 ± 302	2748 ± 103
PI + IL-23R	3032 ± 2199	3403 ± 4559	1095 ± 395	1005 ± 140	95 ± 27
PI + Ki67	5489 ± 256	1250 ± 611	3107 ± 5233	1382 ± 1470	7408 ± 7482
PI + Podoplanin	4632 ± 5235	1216 ± 936	4654 ± 2940	1138 ± 1286	2872 ± 2579
PI + SNA1	17434 ± 6393	4133 ± 176	7634 ± 2885	6693 ± 658	4730 ± 330
PI + STAT3	8296 ± 3879	8674 ± 4425	2849 ± 2700	1129 ± 1013	296 ± 210
PI + TIA1	994 ± 711	93 ± 64	1834 ± 1471	1612 ± 1253	1500 ± 1946
PI + Vimentin	18415 ± 9081	5843 ± 977	16099 ± 7709	12828 ± 2747	13401 ± 11376

Tabelle 134: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	718 ± 511	1652 ± 2165	46 ± 52	0 ± 0	24 ± 8
Podoplanin + BCL2	763 ± 1031	19 ± 26	515 ± 48	112 ± 143	129 ± 64
Podoplanin + CCR6	579 ± 804	816 ± 1154	443 ± 330	86 ± 71	195 ± 153
Podoplanin + CD11a	1997 ± 2249	17 ± 15	1913 ± 1278	394 ± 425	933 ± 1026
Podoplanin + CD11b	517 ± 622	52 ± 4	202 ± 116	212 ± 190	819 ± 222
Podoplanin + CD120a	6 ± 1	0 ± 0	78 ± 64	6 ± 6	27 ± 39
Podoplanin + CD120b	290 ± 277	78 ± 80	229 ± 214	298 ± 308	169 ± 37
Podoplanin + CD138	1832 ± 2269	1767 ± 2497	5034 ± 5004	193 ± 327	1818 ± 2511
Podoplanin + CD15	118 ± 149	224 ± 317	125 ± 108	2 ± 3	4 ± 2
Podoplanin + CD1a	18 ± 25	10 ± 7	84 ± 122	10 ± 13	63 ± 85
Podoplanin + CD2	1374 ± 1770	11 ± 13	1281 ± 1185	526 ± 468	781 ± 1037
Podoplanin + CD207	38 ± 54	3 ± 2	154 ± 134	9 ± 16	224 ± 317
Podoplanin + CD24	212 ± 165	80 ± 80	118 ± 42	66 ± 87	352 ± 199
Podoplanin + CD28	1159 ± 1423	12 ± 2	1228 ± 751	633 ± 625	923 ± 1237
Podoplanin + CD29	4376 ± 4750	1416 ± 1704	9081 ± 7977	358 ± 537	3253 ± 3575
Podoplanin + CD3	1848 ± 2241	86 ± 64	3548 ± 2667	1062 ± 1090	1563 ± 1755
Podoplanin + CD31	953 ± 825	95 ± 47	1314 ± 836	883 ± 902	235 ± 175
Podoplanin + CD4	2243 ± 2805	25 ± 32	2313 ± 1777	732 ± 679	1845 ± 2172
Podoplanin + CD44	7521 ± 8724	1679 ± 439	13624 ± 11866	1174 ± 1378	6269 ± 3729
Podoplanin + CD45	1750 ± 2127	24 ± 18	2406 ± 2204	318 ± 357	652 ± 652
Podoplanin + CD45RA	1133 ± 871	571 ± 719	571 ± 362	90 ± 103	384 ± 5
Podoplanin + CD45RO	910 ± 1128	304 ± 420	699 ± 480	435 ± 412	469 ± 550
Podoplanin + CD52	1034 ± 928	204 ± 266	3000 ± 2994	712 ± 630	1225 ± 1677
Podoplanin + CD54	5100 ± 6448	77 ± 71	3739 ± 3176	450 ± 419	2270 ± 1811
Podoplanin + CD56	555 ± 503	1110 ± 1193	124 ± 32	78 ± 57	319 ± 317
Podoplanin + CD58	585 ± 174	403 ± 87	8158 ± 7504	919 ± 1045	2258 ± 3089
Podoplanin + CD62E	71 ± 77	36 ± 51	2 ± 3	1 ± 3	0 ± 0
Podoplanin + CD62P	110 ± 87	53 ± 74	21 ± 23	2 ± 2	11 ± 16
Podoplanin + CD68	812 ± 741	327 ± 118	393 ± 175	150 ± 132	941 ± 100
Podoplanin + CD7	1029 ± 1286	16 ± 3	1708 ± 1516	232 ± 258	455 ± 522
Podoplanin + CD8a	332 ± 308	29 ± 10	352 ± 250	148 ± 215	422 ± 452
Podoplanin + CK14	4531 ± 5975	1445 ± 2037	16230 ± 16280	320 ± 513	4732 ± 6625
Podoplanin + CLA	446 ± 585	25 ± 8	370 ± 163	111 ± 166	281 ± 234
Podoplanin + c-myc	1053 ± 1179	2115 ± 2991	3588 ± 3256	118 ± 174	1096 ± 1273
Podoplanin + Collagen IV	3886 ± 2805	1390 ± 750	4396 ± 1703	917 ± 1128	2573 ± 2223
Podoplanin + FXIIIA	553 ± 584	735 ± 565	172 ± 64	168 ± 154	460 ± 451
Podoplanin + HLA-DR	5372 ± 4550	1277 ± 1160	3790 ± 2145	1302 ± 1644	4783 ± 3859
Podoplanin + IL-22R	36 ± 48	5 ± 7	347 ± 373	61 ± 98	662 ± 937
Podoplanin + IL-23R	11 ± 15	29 ± 36	322 ± 411	12 ± 14	36 ± 22
Podoplanin + Ki67	157 ± 210	8 ± 12	14 ± 25	5 ± 7	119 ± 165
Podoplanin + PI	4632 ± 5235	1216 ± 936	4654 ± 2940	1138 ± 1286	2872 ± 2579
Podoplanin + SNA1	5868 ± 3418	1827 ± 1093	4778 ± 1928	923 ± 862	2234 ± 37
Podoplanin + STAT3	187 ± 175	2027 ± 2780	624 ± 802	4 ± 3	46 ± 61
Podoplanin + TIA1	245 ± 300	349 ± 494	118 ± 72	44 ± 42	54 ± 63
Podoplanin + Vimentin	5392 ± 3778	2453 ± 837	5300 ± 1686	1891 ± 2063	3748 ± 1117

Tabelle 135: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	7355 ± 1161	3220 ± 837	3619 ± 4810	2788 ± 2625	3650 ± 160
SNA1 + BCL2	2540 ± 34	141 ± 99	2003 ± 2553	613 ± 221	399 ± 206
SNA1 + CCR6	830 ± 1020	344 ± 477	498 ± 30	354 ± 242	258 ± 255
SNA1 + CD11a	9624 ± 5649	349 ± 79	3906 ± 801	1115 ± 377	1593 ± 1043
SNA1 + CD11b	5027 ± 1833	686 ± 192	3924 ± 1881	2177 ± 1221	4402 ± 766
SNA1 + CD120a	300 ± 7	9 ± 2	266 ± 190	163 ± 72	83 ± 48
SNA1 + CD120b	1564 ± 595	523 ± 217	502 ± 263	1159 ± 501	847 ± 365
SNA1 + CD138	11291 ± 4057	2292 ± 906	2447 ± 2172	1838 ± 2099	1161 ± 1502
SNA1 + CD15	1020 ± 1247	252 ± 357	2288 ± 2015	85 ± 52	74 ± 81
SNA1 + CD1a	510 ± 74	188 ± 246	136 ± 133	584 ± 546	134 ± 155
SNA1 + CD2	5996 ± 5711	262 ± 50	2803 ± 695	1934 ± 841	1111 ± 1115
SNA1 + CD207	665 ± 177	202 ± 125	341 ± 156	408 ± 205	116 ± 125
SNA1 + CD24	1371 ± 580	488 ± 220	2259 ± 1470	646 ± 273	825 ± 615
SNA1 + CD28	5139 ± 4526	52 ± 47	2108 ± 1000	1957 ± 732	783 ± 665
SNA1 + CD29	29183 ± 560	4303 ± 3166	12629 ± 5950	7886 ± 1535	9416 ± 2283
SNA1 + CD3	7425 ± 6162	2002 ± 2011	4878 ± 1279	3639 ± 1287	2295 ± 70
SNA1 + CD31	7832 ± 5739	1988 ± 102	8438 ± 3072	5536 ± 3107	4291 ± 887
SNA1 + CD4	12192 ± 12494	575 ± 436	3597 ± 57	3141 ± 915	3886 ± 812
SNA1 + CD44	30373 ± 5241	13746 ± 742	10893 ± 4108	8928 ± 2772	8634 ± 644
SNA1 + CD45	10087 ± 8296	515 ± 332	3439 ± 328	1392 ± 334	950 ± 779
SNA1 + CD45RA	3651 ± 2220	525 ± 386	784 ± 82	508 ± 194	1047 ± 179
SNA1 + CD45RO	5874 ± 5039	275 ± 378	3227 ± 889	1825 ± 838	724 ± 804
SNA1 + CD52	3610 ± 1605	1294 ± 1708	3126 ± 1047	1892 ± 1393	911 ± 1205
SNA1 + CD54	22201 ± 19438	3437 ± 51	10043 ± 2048	6857 ± 3963	7891 ± 418
SNA1 + CD56	1463 ± 705	1004 ± 533	862 ± 144	615 ± 256	827 ± 492
SNA1 + CD58	6083 ± 5765	1770 ± 2110	4563 ± 3325	4376 ± 3653	3729 ± 487
SNA1 + CD62E	965 ± 286	39 ± 56	1778 ± 1556	609 ± 744	365 ± 459
SNA1 + CD62P	2558 ± 1686	749 ± 491	1818 ± 1349	1238 ± 852	1764 ± 94
SNA1 + CD68	3678 ± 2394	2247 ± 1138	2544 ± 2454	2330 ± 1636	4055 ± 756
SNA1 + CD7	5272 ± 4623	147 ± 138	2423 ± 733	1607 ± 806	671 ± 651
SNA1 + CD8a	2073 ± 309	594 ± 40	1007 ± 411	702 ± 95	642 ± 473
SNA1 + CK14	20519 ± 8625	3687 ± 3117	10602 ± 824	6800 ± 1468	5687 ± 4009
SNA1 + CLA	2231 ± 1275	247 ± 223	1934 ± 874	753 ± 208	509 ± 331
SNA1 + c-myc	19104 ± 58	2862 ± 4048	13423 ± 3709	5371 ± 2537	9366 ± 9539
SNA1 + Collagen IV	27715 ± 6743	8666 ± 1893	21872 ± 2127	11365 ± 3262	13605 ± 6426
SNA1 + FXIIIA	2937 ± 634	2628 ± 847	1387 ± 1570	1733 ± 1954	2531 ± 2382
SNA1 + HLA-DR	31135 ± 2410	10186 ± 2035	9074 ± 7691	9556 ± 3727	11211 ± 692
SNA1 + IL-22R	314 ± 190	361 ± 502	116 ± 50	98 ± 32	332 ± 259
SNA1 + IL-23R	1174 ± 1232	602 ± 656	648 ± 190	273 ± 42	191 ± 24
SNA1 + Ki67	878 ± 666	212 ± 298	131 ± 183	181 ± 136	145 ± 114
SNA1 + PI	17434 ± 6393	4133 ± 176	7634 ± 2885	6693 ± 658	4730 ± 330
SNA1 + Podoplanin	5868 ± 3418	1827 ± 1093	4778 ± 1928	923 ± 862	2234 ± 37
SNA1 + STAT3	1893 ± 1337	2839 ± 1379	453 ± 365	85 ± 50	118 ± 13
SNA1 + TIA1	904 ± 561	246 ± 256	1896 ± 993	205 ± 65	260 ± 266
SNA1 + Vimentin	19477 ± 2468	10045 ± 701	11317 ± 3628	7805 ± 2814	7769 ± 2744

Tabelle 136: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	204 ± 277	3605 ± 4802	75 ± 82	32 ± 52	33 ± 46
STAT3 + BCL2	2629 ± 1504	614 ± 578	118 ± 145	242 ± 185	50 ± 49
STAT3 + CCR6	402 ± 311	779 ± 1057	186 ± 101	326 ± 132	26 ± 14
STAT3 + CD11a	391 ± 229	4 ± 4	97 ± 152	9 ± 13	25 ± 32
STAT3 + CD11b	425 ± 547	18 ± 14	2000 ± 1960	39 ± 48	60 ± 16
STAT3 + CD120a	594 ± 426	35 ± 31	57 ± 45	10 ± 9	5 ± 5
STAT3 + CD120b	17 ± 21	34 ± 32	9 ± 6	9 ± 7	4 ± 2
STAT3 + CD138	38700 ± 10792	16075 ± 4328	8983 ± 7443	5784 ± 4647	2881 ± 3178
STAT3 + CD15	441 ± 612	204 ± 289	597 ± 898	1 ± 1	0 ± 0
STAT3 + CD1a	3213 ± 748	967 ± 1333	296 ± 249	177 ± 172	56 ± 44
STAT3 + CD2	408 ± 360	2 ± 0	183 ± 178	36 ± 7	24 ± 24
STAT3 + CD207	1290 ± 639	333 ± 303	554 ± 457	198 ± 152	17 ± 5
STAT3 + CD24	326 ± 459	38 ± 43	834 ± 716	7 ± 4	5 ± 7
STAT3 + CD28	289 ± 352	5 ± 7	49 ± 78	15 ± 12	11 ± 16
STAT3 + CD29	2929 ± 2471	9312 ± 5929	858 ± 980	123 ± 88	142 ± 59
STAT3 + CD3	214 ± 239	60 ± 85	172 ± 205	25 ± 20	12 ± 17
STAT3 + CD31	6 ± 5	131 ± 82	76 ± 117	55 ± 81	49 ± 69
STAT3 + CD4	158 ± 181	6 ± 8	100 ± 157	22 ± 21	14 ± 17
STAT3 + CD44	6485 ± 5290	6915 ± 6074	3024 ± 2835	1598 ± 1603	447 ± 333
STAT3 + CD45	736 ± 793	18 ± 12	111 ± 148	15 ± 3	10 ± 13
STAT3 + CD45RA	162 ± 198	474 ± 629	87 ± 96	6 ± 6	51 ± 52
STAT3 + CD45RO	637 ± 782	321 ± 447	839 ± 537	30 ± 20	36 ± 14
STAT3 + CD52	108 ± 100	186 ± 263	130 ± 90	42 ± 54	14 ± 19
STAT3 + CD54	835 ± 1029	111 ± 135	194 ± 272	51 ± 62	96 ± 130
STAT3 + CD56	267 ± 278	1336 ± 1774	209 ± 234	20 ± 17	57 ± 80
STAT3 + CD58	12568 ± 8309	5103 ± 6513	1536 ± 2100	374 ± 287	860 ± 873
STAT3 + CD62E	15 ± 20	68 ± 96	348 ± 404	38 ± 60	9 ± 12
STAT3 + CD62P	8 ± 9	160 ± 22	187 ± 234	37 ± 57	19 ± 3
STAT3 + CD68	257 ± 285	900 ± 98	263 ± 163	51 ± 33	105 ± 2
STAT3 + CD7	567 ± 509	28 ± 13	154 ± 157	12 ± 8	16 ± 22
STAT3 + CD8a	159 ± 62	15 ± 16	30 ± 26	8 ± 10	17 ± 24
STAT3 + CK14	49382 ± 11601	16455 ± 6330	30599 ± 28098	9873 ± 7393	3877 ± 4455
STAT3 + CLA	393 ± 98	19 ± 27	145 ± 135	42 ± 56	12 ± 8
STAT3 + c-myc	23967 ± 18526	7559 ± 10674	2262 ± 1838	2404 ± 2117	549 ± 340
STAT3 + Collagen IV	117 ± 148	1002 ± 238	187 ± 305	26 ± 32	41 ± 58
STAT3 + FXIIIA	278 ± 296	693 ± 865	265 ± 237	12 ± 10	61 ± 78
STAT3 + HLA-DR	8168 ± 2478	3758 ± 2333	895 ± 608	575 ± 463	331 ± 202
STAT3 + IL-22R	10148 ± 5223	2994 ± 3704	199 ± 90	650 ± 938	1210 ± 1121
STAT3 + IL-23R	11152 ± 3791	7168 ± 9218	5229 ± 4730	3365 ± 1870	349 ± 196
STAT3 + Ki67	610 ± 339	917 ± 1192	9 ± 12	3 ± 4	229 ± 299
STAT3 + PI	8296 ± 3879	8674 ± 4425	2849 ± 2700	1129 ± 1013	296 ± 210
STAT3 + Podoplanin	187 ± 175	2027 ± 2780	624 ± 802	4 ± 3	46 ± 61
STAT3 + SNA1	1893 ± 1337	2839 ± 1379	453 ± 365	85 ± 50	118 ± 13
STAT3 + TIA1	115 ± 141	343 ± 466	473 ± 471	9 ± 13	7 ± 9
STAT3 + Vimentin	1218 ± 422	2592 ± 298	729 ± 468	203 ± 87	132 ± 76

Tabelle 137: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	366 ± 505	291 ± 311	51 ± 84	85 ± 106	83 ± 116
TIA1 + BCL2	106 ± 78	7 ± 9	216 ± 164	905 ± 1008	78 ± 88
TIA1 + CCR6	170 ± 235	346 ± 490	120 ± 44	203 ± 195	135 ± 186
TIA1 + CD11a	1065 ± 500	26 ± 11	1453 ± 345	1882 ± 1833	1356 ± 1631
TIA1 + CD11b	706 ± 121	27 ± 38	4288 ± 2726	1003 ± 904	1234 ± 1591
TIA1 + CD120a	11 ± 16	0 ± 0	30 ± 30	25 ± 27	3 ± 4
TIA1 + CD120b	29 ± 21	33 ± 46	62 ± 53	1058 ± 1231	106 ± 147
TIA1 + CD138	140 ± 153	275 ± 389	45 ± 29	13 ± 17	50 ± 34
TIA1 + CD15	412 ± 114	211 ± 298	3450 ± 2607	56 ± 44	157 ± 222
TIA1 + CD1a	0 ± 0	7 ± 10	3 ± 6	21 ± 29	7 ± 4
TIA1 + CD2	824 ± 666	6 ± 8	945 ± 200	2183 ± 2172	1291 ± 1625
TIA1 + CD207	1 ± 1	0 ± 0	20 ± 22	38 ± 54	50 ± 69
TIA1 + CD24	210 ± 130	93 ± 131	3712 ± 2470	38 ± 32	49 ± 69
TIA1 + CD28	372 ± 252	5 ± 7	487 ± 97	1678 ± 1732	480 ± 660
TIA1 + CD29	536 ± 598	269 ± 332	543 ± 165	150 ± 104	212 ± 271
TIA1 + CD3	956 ± 768	68 ± 97	1527 ± 438	2353 ± 2318	1359 ± 1702
TIA1 + CD31	420 ± 572	37 ± 30	313 ± 213	135 ± 104	80 ± 112
TIA1 + CD4	923 ± 912	0 ± 0	739 ± 266	1883 ± 1976	927 ± 1235
TIA1 + CD44	1363 ± 916	186 ± 159	1815 ± 655	1081 ± 696	1016 ± 1184
TIA1 + CD45	915 ± 483	12 ± 17	1372 ± 586	1787 ± 1749	870 ± 1084
TIA1 + CD45RA	589 ± 484	332 ± 403	350 ± 24	810 ± 751	717 ± 904
TIA1 + CD45RO	463 ± 260	209 ± 295	1673 ± 979	1877 ± 1971	538 ± 695
TIA1 + CD52	653 ± 525	158 ± 223	974 ± 359	1720 ± 1930	947 ± 1328
TIA1 + CD54	1065 ± 1301	48 ± 36	1388 ± 381	1116 ± 975	737 ± 1024
TIA1 + CD56	153 ± 209	299 ± 423	112 ± 66	56 ± 49	64 ± 37
TIA1 + CD58	121 ± 19	230 ± 222	338 ± 333	809 ± 897	249 ± 315
TIA1 + CD62E	136 ± 178	46 ± 64	1260 ± 1806	69 ± 60	52 ± 73
TIA1 + CD62P	344 ± 485	64 ± 1	233 ± 193	90 ± 72	56 ± 79
TIA1 + CD68	166 ± 183	82 ± 117	300 ± 107	230 ± 151	475 ± 590
TIA1 + CD7	1047 ± 1102	45 ± 36	897 ± 256	1885 ± 1675	970 ± 1286
TIA1 + CD8a	652 ± 336	22 ± 31	950 ± 282	1964 ± 1939	1281 ± 1512
TIA1 + CK14	147 ± 0	74 ± 105	232 ± 196	39 ± 29	153 ± 128
TIA1 + CLA	376 ± 26	23 ± 32	1863 ± 1903	471 ± 382	435 ± 457
TIA1 + c-myc	180 ± 68	343 ± 485	346 ± 227	9 ± 6	144 ± 137
TIA1 + Collagen IV	399 ± 410	70 ± 8	1200 ± 766	106 ± 90	249 ± 330
TIA1 + FXIIIA	142 ± 151	262 ± 371	348 ± 136	81 ± 65	89 ± 49
TIA1 + HLA-DR	1283 ± 614	269 ± 278	1342 ± 277	1021 ± 579	1259 ± 1489
TIA1 + IL-22R	11 ± 3	6 ± 8	15 ± 13	16 ± 10	36 ± 11
TIA1 + IL-23R	7 ± 4	14 ± 20	360 ± 269	13 ± 11	5 ± 7
TIA1 + Ki67	4 ± 5	0 ± 0	1 ± 1	0 ± 0	3 ± 4
TIA1 + PI	994 ± 711	93 ± 64	1834 ± 1471	1612 ± 1253	1500 ± 1946
TIA1 + Podoplanin	245 ± 300	349 ± 494	118 ± 72	44 ± 42	54 ± 63
TIA1 + SNA1	904 ± 561	246 ± 256	1896 ± 993	205 ± 65	260 ± 266
TIA1 + STAT3	115 ± 141	343 ± 466	473 ± 471	9 ± 13	7 ± 9
TIA1 + Vimentin	692 ± 654	262 ± 351	1106 ± 639	355 ± 153	826 ± 1006

Tabelle 138: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Non-Responder identifizierten n=2 Patienten (Gesamthaut)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	4381 ± 771	2570 ± 346	1981 ± 2222	1323 ± 1667	2696 ± 2762
Vimentin + BCL2	4251 ± 1613	273 ± 287	6300 ± 4313	2498 ± 784	973 ± 83
Vimentin + CCR6	1218 ± 1617	503 ± 706	2666 ± 2097	1294 ± 820	996 ± 1280
Vimentin + CD11a	8542 ± 5223	464 ± 45	12625 ± 5221	2871 ± 1580	5435 ± 6219
Vimentin + CD11b	3247 ± 184	898 ± 15	3207 ± 1729	4338 ± 511	8200 ± 5550
Vimentin + CD120a	395 ± 133	26 ± 20	342 ± 197	211 ± 28	262 ± 202
Vimentin + CD120b	301 ± 219	134 ± 85	682 ± 173	1583 ± 1308	422 ± 555
Vimentin + CD138	6943 ± 4615	2574 ± 502	2945 ± 1757	1997 ± 1270	2992 ± 3602
Vimentin + CD15	180 ± 200	230 ± 325	1263 ± 1535	88 ± 82	41 ± 17
Vimentin + CD1a	1335 ± 327	378 ± 499	387 ± 286	1374 ± 889	911 ± 280
Vimentin + CD2	7059 ± 6642	407 ± 92	10921 ± 4891	4695 ± 1618	5386 ± 6919
Vimentin + CD207	1201 ± 559	538 ± 78	990 ± 559	1210 ± 438	1112 ± 298
Vimentin + CD24	74 ± 47	106 ± 86	1105 ± 1101	108 ± 89	99 ± 123
Vimentin + CD28	4218 ± 3534	85 ± 91	6450 ± 3525	3729 ± 1807	2934 ± 3853
Vimentin + CD29	13721 ± 4421	3409 ± 1603	8254 ± 2019	5325 ± 1504	7585 ± 6973
Vimentin + CD3	6926 ± 5725	1814 ± 1588	13619 ± 5563	7257 ± 3158	5956 ± 6662
Vimentin + CD31	4266 ± 2095	1373 ± 248	6706 ± 2834	3365 ± 344	3205 ± 2731
Vimentin + CD4	9351 ± 8999	696 ± 538	12123 ± 7117	5855 ± 2414	6614 ± 6490
Vimentin + CD44	23975 ± 10522	16671 ± 3064	19308 ± 7046	18208 ± 8667	17161 ± 5068
Vimentin + CD45	9246 ± 7753	661 ± 282	10959 ± 5601	3123 ± 1051	3364 ± 4068
Vimentin + CD45RA	2132 ± 1719	584 ± 563	2290 ± 998	594 ± 55	1824 ± 2003
Vimentin + CD45RO	6112 ± 4964	349 ± 445	7953 ± 2420	4279 ± 2362	2786 ± 3756
Vimentin + CD52	3232 ± 1404	1279 ± 1623	7543 ± 3161	2940 ± 1129	3333 ± 4631
Vimentin + CD54	14880 ± 13590	2655 ± 207	15394 ± 6877	7187 ± 1421	10065 ± 8558
Vimentin + CD56	1376 ± 527	1436 ± 701	955 ± 436	644 ± 259	561 ± 36
Vimentin + CD58	3270 ± 1511	1633 ± 1805	6417 ± 6717	4144 ± 3296	4501 ± 4409
Vimentin + CD62E	737 ± 68	37 ± 53	1086 ± 968	295 ± 197	446 ± 626
Vimentin + CD62P	1685 ± 823	648 ± 491	1386 ± 521	777 ± 602	1564 ± 1234
Vimentin + CD68	4378 ± 3744	2870 ± 1645	5416 ± 2131	4478 ± 2087	9728 ± 7528
Vimentin + CD7	4913 ± 4384	114 ± 66	7583 ± 3676	3297 ± 943	3008 ± 3829
Vimentin + CD8a	1850 ± 838	700 ± 86	2892 ± 1250	1648 ± 316	2468 ± 2973
Vimentin + CK14	10284 ± 4487	3113 ± 687	8503 ± 2829	6891 ± 786	9073 ± 9468
Vimentin + CLA	2596 ± 1384	384 ± 346	3320 ± 1764	1865 ± 444	2356 ± 2234
Vimentin + c-myc	4552 ± 1038	2841 ± 4018	3764 ± 1698	1393 ± 782	6084 ± 5887
Vimentin + Collagen IV	8866 ± 2024	5445 ± 764	9221 ± 2267	4070 ± 1949	6841 ± 7964
Vimentin + FXIIIA	3605 ± 963	3306 ± 101	3527 ± 1844	3990 ± 1873	3156 ± 1298
Vimentin + HLA-DR	25822 ± 787	10963 ± 3062	16732 ± 11429	16037 ± 5209	18616 ± 11016
Vimentin + IL-22R	457 ± 138	325 ± 273	227 ± 91	290 ± 141	1206 ± 690
Vimentin + IL-23R	816 ± 587	687 ± 671	1311 ± 383	610 ± 279	190 ± 58
Vimentin + Ki67	607 ± 45	279 ± 152	294 ± 455	181 ± 215	695 ± 728
Vimentin + PI	18415 ± 9081	5843 ± 977	16099 ± 7709	12828 ± 2747	13401 ± 11376
Vimentin + Podoplanin	5392 ± 3778	2453 ± 837	5300 ± 1686	1891 ± 2063	3748 ± 1117
Vimentin + SNA1	19477 ± 2468	10045 ± 701	11317 ± 3628	7805 ± 2814	7769 ± 2744
Vimentin + STAT3	1218 ± 422	2592 ± 298	729 ± 468	203 ± 87	132 ± 76
Vimentin + TIA1	692 ± 654	262 ± 351	1106 ± 639	355 ± 153	826 ± 1006

1.1.4 Duale Koexpression der Epidermis für alle Patienten

Tabelle 139: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	2 ± 4	5 ± 16	3 ± 6	0 ± 1	1 ± 1
Aktin + CCR6	1 ± 2	54 ± 173	37 ± 82	1 ± 2	1 ± 2
Aktin + CD11a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD120a	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD138	3 ± 5	568 ± 1876	104 ± 227	3 ± 5	4 ± 8
Aktin + CD15	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD207	0 ± 1	1 ± 2	1 ± 2	0 ± 1	0 ± 1
Aktin + CD24	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD29	13 ± 16	312 ± 1016	109 ± 221	11 ± 23	7 ± 11
Aktin + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD31	5 ± 8	8 ± 21	38 ± 111	11 ± 30	1 ± 4
Aktin + CD4	1 ± 2	0 ± 1	1 ± 2	0 ± 1	0 ± 1
Aktin + CD44	1 ± 2	16 ± 51	3 ± 6	1 ± 1	1 ± 2
Aktin + CD45	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD45RA	0 ± 0	0 ± 0	2 ± 6	0 ± 0	0 ± 0
Aktin + CD45RO	0 ± 1	0 ± 1	1 ± 2	0 ± 0	1 ± 5
Aktin + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD54	8 ± 15	1 ± 4	3 ± 7	10 ± 30	1 ± 4
Aktin + CD56	1 ± 3	109 ± 362	78 ± 174	0 ± 0	2 ± 5
Aktin + CD58	4 ± 6	12 ± 34	11 ± 31	3 ± 7	2 ± 5
Aktin + CD62E	0 ± 0	0 ± 0	2 ± 8	0 ± 0	0 ± 0
Aktin + CD62P	0 ± 1	8 ± 24	1 ± 2	8 ± 24	0 ± 1
Aktin + CD68	2 ± 4	23 ± 71	5 ± 8	1 ± 4	1 ± 4
Aktin + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CK14	5 ± 10	558 ± 1834	105 ± 220	4 ± 10	6 ± 12
Aktin + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + c-myc	6 ± 8	588 ± 1944	108 ± 230	2 ± 4	2 ± 5
Aktin + Collagen IV	8 ± 15	45 ± 142	7 ± 11	9 ± 23	2 ± 5
Aktin + FXIIIA	1 ± 2	3 ± 7	24 ± 52	1 ± 2	1 ± 3
Aktin + HLA-DR	7 ± 14	34 ± 106	11 ± 18	2 ± 4	1 ± 4
Aktin + IL-22R	1 ± 1	2 ± 5	1 ± 1	1 ± 1	1 ± 1
Aktin + IL-23R	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + Ki67	0 ± 1	2 ± 6	0 ± 1	0 ± 1	0 ± 0
Aktin + PI	5 ± 8	270 ± 889	68 ± 143	2 ± 4	3 ± 5
Aktin + Podoplanin	2 ± 7	237 ± 775	73 ± 162	2 ± 7	2 ± 7
Aktin + SNA1	10 ± 16	32 ± 98	5 ± 11	9 ± 25	2 ± 5
Aktin + STAT3	1 ± 2	573 ± 1898	104 ± 231	0 ± 1	2 ± 6
Aktin + TIA1	0 ± 0	10 ± 33	13 ± 40	0 ± 0	0 ± 0
Aktin + Vimentin	8 ± 15	65 ± 207	15 ± 24	12 ± 30	3 ± 6

Tabelle 140: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	2 ± 4	5 ± 16	3 ± 6	0 ± 1	1 ± 1
BCL2 + CCR6	90 ± 106	129 ± 335	31 ± 26	70 ± 65	79 ± 114
BCL2 + CD11a	145 ± 219	25 ± 40	64 ± 67	51 ± 45	33 ± 36
BCL2 + CD11b	12 ± 15	7 ± 15	10 ± 15	7 ± 15	11 ± 15
BCL2 + CD120a	40 ± 40	65 ± 139	24 ± 32	18 ± 31	30 ± 44
BCL2 + CD120b	12 ± 17	9 ± 22	4 ± 6	9 ± 14	3 ± 5
BCL2 + CD138	5593 ± 7665	2725 ± 3958	2628 ± 3022	1482 ± 2640	1728 ± 2671
BCL2 + CD15	29 ± 42	39 ± 63	21 ± 42	31 ± 49	35 ± 43
BCL2 + CD1a	80 ± 78	206 ± 497	50 ± 86	32 ± 62	64 ± 80
BCL2 + CD2	212 ± 302	37 ± 53	93 ± 89	73 ± 59	81 ± 66
BCL2 + CD207	121 ± 158	309 ± 778	83 ± 155	70 ± 157	97 ± 162
BCL2 + CD24	3 ± 5	1 ± 3	2 ± 3	2 ± 3	3 ± 5
BCL2 + CD28	66 ± 120	7 ± 13	13 ± 18	10 ± 13	6 ± 13
BCL2 + CD29	2973 ± 2866	1162 ± 1297	1375 ± 1324	942 ± 1052	1124 ± 986
BCL2 + CD3	137 ± 210	25 ± 32	69 ± 95	73 ± 69	47 ± 47
BCL2 + CD31	3 ± 5	1 ± 3	3 ± 5	1 ± 3	1 ± 3
BCL2 + CD4	62 ± 123	10 ± 18	17 ± 23	28 ± 48	12 ± 18
BCL2 + CD44	2217 ± 2791	1158 ± 1833	1572 ± 2031	953 ± 1804	1015 ± 1777
BCL2 + CD45	128 ± 217	14 ± 27	44 ± 54	30 ± 39	16 ± 27
BCL2 + CD45RA	35 ± 46	13 ± 22	20 ± 23	16 ± 22	18 ± 22
BCL2 + CD45RO	87 ± 181	3 ± 7	30 ± 51	15 ± 18	13 ± 23
BCL2 + CD52	41 ± 73	5 ± 5	5 ± 7	13 ± 31	4 ± 4
BCL2 + CD54	185 ± 418	7 ± 16	11 ± 19	27 ± 66	16 ± 28
BCL2 + CD56	8 ± 14	16 ± 47	8 ± 11	2 ± 3	3 ± 4
BCL2 + CD58	2050 ± 3433	1588 ± 2736	767 ± 1369	670 ± 1350	756 ± 1316
BCL2 + CD62E	12 ± 15	6 ± 12	7 ± 11	5 ± 12	6 ± 12
BCL2 + CD62P	19 ± 37	7 ± 20	7 ± 20	7 ± 20	7 ± 20
BCL2 + CD68	593 ± 441	466 ± 412	474 ± 354	410 ± 388	513 ± 385
BCL2 + CD7	116 ± 207	11 ± 13	68 ± 90	66 ± 87	22 ± 17
BCL2 + CD8a	61 ± 69	15 ± 26	30 ± 38	19 ± 27	28 ± 35
BCL2 + CK14	7549 ± 7800	3335 ± 4098	4305 ± 4463	2380 ± 3236	2896 ± 3072
BCL2 + CLA	96 ± 99	49 ± 74	56 ± 69	65 ± 65	67 ± 65
BCL2 + c-myc	3623 ± 3756	2959 ± 5016	1654 ± 3114	1563 ± 3159	1737 ± 3087
BCL2 + Collagen IV	273 ± 256	117 ± 134	193 ± 166	215 ± 246	173 ± 127
BCL2 + FXIIIA	14 ± 22	6 ± 9	7 ± 8	7 ± 11	13 ± 21
BCL2 + HLA-DR	1233 ± 1939	324 ± 424	460 ± 670	362 ± 458	344 ± 434
BCL2 + IL-22R	1221 ± 2278	1765 ± 3089	1021 ± 2346	989 ± 2360	1080 ± 2330
BCL2 + IL-23R	1180 ± 1068	748 ± 939	459 ± 716	543 ± 690	502 ± 685
BCL2 + Ki67	1460 ± 2020	258 ± 319	1070 ± 1956	202 ± 265	170 ± 213
BCL2 + PI	6780 ± 8003	2277 ± 2885	3499 ± 3964	1423 ± 1479	1860 ± 1401
BCL2 + Podoplanin	510 ± 989	42 ± 95	37 ± 68	66 ± 110	14 ± 29
BCL2 + SNA1	1007 ± 1704	101 ± 72	260 ± 356	119 ± 88	133 ± 95
BCL2 + STAT3	2561 ± 2938	2397 ± 4013	930 ± 1710	918 ± 1713	1088 ± 1699
BCL2 + TIA1	17 ± 21	13 ± 25	11 ± 13	8 ± 14	11 ± 14
BCL2 + Vimentin	1440 ± 1078	446 ± 322	708 ± 543	619 ± 296	668 ± 352

Tabelle 141: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	1 ± 2	54 ± 173	37 ± 82	1 ± 2	1 ± 2
CCR6 + BCL2	90 ± 106	129 ± 335	31 ± 26	70 ± 65	79 ± 114
CCR6 + CD11a	70 ± 130	12 ± 34	18 ± 36	42 ± 53	21 ± 36
CCR6 + CD11b	7 ± 13	4 ± 12	4 ± 12	5 ± 13	4 ± 12
CCR6 + CD120a	7 ± 7	10 ± 13	5 ± 4	12 ± 17	16 ± 33
CCR6 + CD120b	10 ± 17	3 ± 5	1 ± 3	7 ± 13	2 ± 3
CCR6 + CD138	248 ± 282	370 ± 434	228 ± 267	203 ± 213	404 ± 672
CCR6 + CD15	3 ± 7	10 ± 23	2 ± 7	7 ± 16	5 ± 8
CCR6 + CD1a	15 ± 17	38 ± 67	20 ± 43	23 ± 28	30 ± 41
CCR6 + CD2	83 ± 139	15 ± 38	26 ± 43	65 ± 74	38 ± 43
CCR6 + CD207	22 ± 26	48 ± 87	9 ± 11	34 ± 49	32 ± 42
CCR6 + CD24	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 2
CCR6 + CD28	44 ± 88	5 ± 15	6 ± 15	13 ± 18	8 ± 16
CCR6 + CD29	125 ± 157	115 ± 165	101 ± 132	133 ± 137	120 ± 159
CCR6 + CD3	81 ± 127	16 ± 40	26 ± 47	76 ± 104	37 ± 53
CCR6 + CD31	0 ± 0	2 ± 7	17 ± 56	0 ± 0	0 ± 0
CCR6 + CD4	37 ± 81	6 ± 18	7 ± 18	28 ± 54	9 ± 18
CCR6 + CD44	147 ± 173	88 ± 94	85 ± 63	221 ± 226	247 ± 374
CCR6 + CD45	70 ± 138	8 ± 24	16 ± 29	36 ± 61	18 ± 27
CCR6 + CD45RA	8 ± 13	3 ± 6	6 ± 9	6 ± 9	4 ± 8
CCR6 + CD45RO	53 ± 113	8 ± 24	11 ± 25	31 ± 41	17 ± 30
CCR6 + CD52	25 ± 43	13 ± 31	4 ± 9	23 ± 59	7 ± 9
CCR6 + CD54	41 ± 92	8 ± 19	6 ± 17	26 ± 56	5 ± 17
CCR6 + CD56	1 ± 2	26 ± 78	36 ± 78	2 ± 3	1 ± 2
CCR6 + CD58	79 ± 97	108 ± 219	84 ± 160	78 ± 123	76 ± 90
CCR6 + CD62E	1 ± 3	1 ± 1	0 ± 0	1 ± 3	0 ± 0
CCR6 + CD62P	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD68	55 ± 77	38 ± 48	30 ± 40	63 ± 61	43 ± 56
CCR6 + CD7	53 ± 96	7 ± 18	16 ± 22	52 ± 74	19 ± 26
CCR6 + CD8a	28 ± 44	8 ± 23	11 ± 23	19 ± 24	18 ± 32
CCR6 + CK14	326 ± 313	319 ± 329	251 ± 223	405 ± 390	584 ± 683
CCR6 + CLA	40 ± 53	13 ± 25	16 ± 25	32 ± 30	35 ± 40
CCR6 + c-myc	145 ± 133	375 ± 485	134 ± 189	113 ± 111	317 ± 425
CCR6 + Collagen IV	11 ± 14	5 ± 10	7 ± 6	22 ± 34	9 ± 13
CCR6 + FXIIIA	4 ± 7	5 ± 8	15 ± 33	3 ± 8	1 ± 1
CCR6 + HLA-DR	138 ± 167	91 ± 135	49 ± 45	158 ± 226	89 ± 77
CCR6 + IL-22R	74 ± 109	202 ± 323	27 ± 21	79 ± 118	209 ± 370
CCR6 + IL-23R	68 ± 81	40 ± 71	36 ± 71	108 ± 157	201 ± 265
CCR6 + Ki67	8 ± 12	4 ± 4	4 ± 5	7 ± 11	17 ± 42
CCR6 + PI	103 ± 149	122 ± 162	82 ± 91	116 ± 126	158 ± 152
CCR6 + Podoplanin	34 ± 57	69 ± 182	67 ± 144	61 ± 156	3 ± 6
CCR6 + SNA1	90 ± 140	16 ± 21	17 ± 23	51 ± 65	40 ± 57
CCR6 + STAT3	115 ± 119	305 ± 398	118 ± 188	107 ± 133	301 ± 440
CCR6 + TIA1	10 ± 16	11 ± 28	19 ± 49	4 ± 5	3 ± 5
CCR6 + Vimentin	179 ± 235	56 ± 64	67 ± 57	212 ± 208	164 ± 185

Tabelle 142: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + BCL2	145 ± 219	25 ± 40	64 ± 67	51 ± 45	33 ± 36
CD11a + CCR6	70 ± 130	12 ± 34	18 ± 36	42 ± 53	21 ± 36
CD11a + CD11b	138 ± 206	45 ± 146	51 ± 145	60 ± 146	54 ± 146
CD11a + CD120a	31 ± 39	16 ± 37	20 ± 36	42 ± 52	21 ± 35
CD11a + CD120b	51 ± 77	9 ± 30	14 ± 30	32 ± 57	14 ± 31
CD11a + CD138	655 ± 1104	88 ± 235	190 ± 259	150 ± 235	116 ± 228
CD11a + CD15	11 ± 19	0 ± 1	0 ± 1	8 ± 20	1 ± 1
CD11a + CD1a	62 ± 86	28 ± 64	34 ± 64	64 ± 114	37 ± 62
CD11a + CD2	809 ± 1369	163 ± 354	323 ± 381	313 ± 414	225 ± 337
CD11a + CD207	68 ± 107	38 ± 95	45 ± 93	70 ± 123	42 ± 93
CD11a + CD24	8 ± 10	4 ± 9	4 ± 9	12 ± 19	4 ± 9
CD11a + CD28	504 ± 1180	40 ± 96	69 ± 105	90 ± 126	50 ± 95
CD11a + CD29	660 ± 1214	101 ± 266	235 ± 307	217 ± 290	127 ± 257
CD11a + CD3	747 ± 1221	157 ± 373	292 ± 393	427 ± 561	219 ± 368
CD11a + CD31	1 ± 2	1 ± 2	1 ± 2	1 ± 3	1 ± 2
CD11a + CD4	515 ± 1207	63 ± 150	94 ± 151	271 ± 581	78 ± 147
CD11a + CD44	1049 ± 1681	203 ± 483	405 ± 506	633 ± 856	263 ± 474
CD11a + CD45	881 ± 1749	88 ± 196	267 ± 308	364 ± 583	120 ± 192
CD11a + CD45RA	146 ± 225	60 ± 165	76 ± 164	146 ± 279	66 ± 163
CD11a + CD45RO	592 ± 1253	55 ± 174	149 ± 210	182 ± 249	88 ± 185
CD11a + CD52	91 ± 178	11 ± 29	24 ± 43	71 ± 179	22 ± 31
CD11a + CD54	558 ± 1248	92 ± 305	139 ± 319	286 ± 553	98 ± 304
CD11a + CD56	11 ± 16	4 ± 11	7 ± 13	7 ± 13	5 ± 12
CD11a + CD58	433 ± 671	104 ± 294	128 ± 290	201 ± 326	144 ± 297
CD11a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + CD62P	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD68	141 ± 216	88 ± 196	115 ± 189	120 ± 190	106 ± 191
CD11a + CD7	610 ± 1111	95 ± 261	250 ± 327	315 ± 442	122 ± 257
CD11a + CD8a	312 ± 347	85 ± 205	157 ± 212	170 ± 231	131 ± 199
CD11a + CK14	1112 ± 1625	237 ± 518	491 ± 554	619 ± 720	323 ± 492
CD11a + CLA	258 ± 350	107 ± 220	142 ± 209	202 ± 240	141 ± 210
CD11a + c-myc	372 ± 523	44 ± 91	101 ± 132	376 ± 831	69 ± 90
CD11a + Collagen IV	200 ± 328	24 ± 64	76 ± 115	149 ± 254	36 ± 63
CD11a + FXIIIA	4 ± 11	3 ± 11	3 ± 11	8 ± 18	3 ± 11
CD11a + HLA-DR	992 ± 1423	189 ± 456	321 ± 465	500 ± 659	235 ± 450
CD11a + IL-22R	80 ± 95	43 ± 94	47 ± 93	49 ± 92	53 ± 91
CD11a + IL-23R	38 ± 67	5 ± 9	5 ± 9	25 ± 45	7 ± 9
CD11a + Ki67	23 ± 35	9 ± 24	13 ± 24	11 ± 25	10 ± 24
CD11a + PI	764 ± 1352	118 ± 241	272 ± 300	348 ± 446	181 ± 227
CD11a + Podoplanin	112 ± 221	10 ± 31	15 ± 33	97 ± 243	10 ± 31
CD11a + SNA1	756 ± 1271	57 ± 157	160 ± 210	226 ± 371	88 ± 167
CD11a + STAT3	118 ± 183	6 ± 11	6 ± 10	13 ± 12	11 ± 12
CD11a + TIA1	71 ± 98	15 ± 40	29 ± 41	39 ± 66	22 ± 39
CD11a + Vimentin	722 ± 1142	167 ± 437	284 ± 430	377 ± 531	206 ± 427

Tabelle 143: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + BCL2	12 ± 15	7 ± 15	10 ± 15	7 ± 15	11 ± 15
CD11b + CCR6	7 ± 13	4 ± 12	4 ± 12	5 ± 13	4 ± 12
CD11b + CD11a	138 ± 206	45 ± 146	51 ± 145	60 ± 146	54 ± 146
CD11b + CD120a	21 ± 55	17 ± 56	17 ± 56	20 ± 55	21 ± 56
CD11b + CD120b	8 ± 15	4 ± 14	4 ± 14	6 ± 14	5 ± 13
CD11b + CD138	146 ± 310	98 ± 313	105 ± 311	133 ± 319	112 ± 310
CD11b + CD15	110 ± 272	1 ± 4	2 ± 5	216 ± 497	1 ± 4
CD11b + CD1a	21 ± 63	19 ± 63	19 ± 63	28 ± 65	23 ± 63
CD11b + CD2	60 ± 112	29 ± 92	29 ± 91	33 ± 91	32 ± 91
CD11b + CD207	6 ± 8	3 ± 7	3 ± 7	26 ± 54	4 ± 7
CD11b + CD24	72 ± 175	12 ± 39	13 ± 39	227 ± 494	12 ± 39
CD11b + CD28	23 ± 45	5 ± 16	5 ± 16	7 ± 17	6 ± 16
CD11b + CD29	143 ± 203	69 ± 188	74 ± 186	98 ± 194	75 ± 185
CD11b + CD3	51 ± 86	24 ± 77	24 ± 77	40 ± 83	32 ± 77
CD11b + CD31	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD11b + CD4	62 ± 112	24 ± 73	25 ± 73	32 ± 74	31 ± 73
CD11b + CD44	278 ± 476	153 ± 477	166 ± 473	232 ± 480	195 ± 470
CD11b + CD45	114 ± 173	23 ± 73	28 ± 73	43 ± 89	30 ± 74
CD11b + CD45RA	38 ± 74	23 ± 75	24 ± 75	30 ± 74	24 ± 75
CD11b + CD45RO	135 ± 215	34 ± 113	39 ± 112	177 ± 363	77 ± 139
CD11b + CD52	6 ± 13	2 ± 6	2 ± 6	18 ± 51	2 ± 6
CD11b + CD54	177 ± 364	102 ± 339	105 ± 338	111 ± 336	128 ± 336
CD11b + CD56	9 ± 21	7 ± 21	7 ± 21	7 ± 21	9 ± 22
CD11b + CD58	82 ± 178	54 ± 174	55 ± 174	64 ± 172	78 ± 174
CD11b + CD62E	1 ± 3	1 ± 3	1 ± 3	34 ± 81	1 ± 2
CD11b + CD62P	3 ± 7	1 ± 4	1 ± 4	17 ± 41	1 ± 4
CD11b + CD68	105 ± 257	90 ± 261	94 ± 260	98 ± 259	132 ± 271
CD11b + CD7	103 ± 212	28 ± 92	28 ± 92	43 ± 90	29 ± 91
CD11b + CD8a	24 ± 46	12 ± 39	12 ± 39	14 ± 39	13 ± 39
CD11b + CK14	348 ± 521	191 ± 542	211 ± 536	527 ± 920	301 ± 551
CD11b + CLA	51 ± 82	24 ± 75	24 ± 74	63 ± 100	27 ± 74
CD11b + c-myc	222 ± 292	87 ± 276	96 ± 273	183 ± 316	140 ± 276
CD11b + Collagen IV	128 ± 225	71 ± 229	81 ± 226	115 ± 235	93 ± 225
CD11b + FXIIIA	8 ± 20	6 ± 20	7 ± 20	8 ± 20	9 ± 20
CD11b + HLA-DR	344 ± 536	178 ± 540	195 ± 535	220 ± 534	224 ± 531
CD11b + IL-22R	27 ± 78	26 ± 78	26 ± 78	26 ± 78	26 ± 78
CD11b + IL-23R	46 ± 111	7 ± 21	7 ± 21	165 ± 355	10 ± 21
CD11b + Ki67	5 ± 14	4 ± 14	4 ± 14	5 ± 14	5 ± 14
CD11b + PI	134 ± 174	53 ± 138	60 ± 136	111 ± 163	87 ± 148
CD11b + Podoplanin	20 ± 32	10 ± 33	10 ± 33	17 ± 36	12 ± 33
CD11b + SNA1	341 ± 443	99 ± 308	121 ± 303	221 ± 374	137 ± 302
CD11b + STAT3	127 ± 271	5 ± 12	5 ± 12	480 ± 1087	8 ± 13
CD11b + TIA1	38 ± 68	8 ± 27	9 ± 27	175 ± 469	9 ± 27
CD11b + Vimentin	242 ± 513	169 ± 528	185 ± 523	184 ± 523	231 ± 526

Tabelle 144: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD120a + BCL2	40 ± 40	65 ± 139	24 ± 32	18 ± 31	30 ± 44
CD120a + CCR6	7 ± 7	10 ± 13	5 ± 4	12 ± 17	16 ± 33
CD120a + CD11a	31 ± 39	16 ± 37	20 ± 36	42 ± 52	21 ± 35
CD120a + CD11b	21 ± 55	17 ± 56	17 ± 56	20 ± 55	21 ± 56
CD120a + CD120b	2 ± 4	3 ± 9	2 ± 3	3 ± 6	1 ± 2
CD120a + CD138	289 ± 178	220 ± 152	193 ± 127	229 ± 154	352 ± 553
CD120a + CD15	4 ± 6	9 ± 14	4 ± 7	7 ± 7	6 ± 7
CD120a + CD1a	177 ± 150	171 ± 122	141 ± 106	171 ± 80	188 ± 169
CD120a + CD2	26 ± 41	21 ± 42	28 ± 43	28 ± 40	36 ± 45
CD120a + CD207	193 ± 127	177 ± 120	180 ± 119	198 ± 108	204 ± 164
CD120a + CD24	1 ± 1	1 ± 1	1 ± 1	5 ± 9	1 ± 1
CD120a + CD28	11 ± 16	9 ± 16	7 ± 14	13 ± 22	6 ± 14
CD120a + CD29	84 ± 62	106 ± 105	75 ± 77	81 ± 62	138 ± 216
CD120a + CD3	15 ± 24	12 ± 25	13 ± 24	26 ± 32	16 ± 24
CD120a + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD120a + CD4	17 ± 22	9 ± 21	10 ± 20	27 ± 40	14 ± 20
CD120a + CD44	189 ± 109	191 ± 154	165 ± 112	292 ± 145	280 ± 313
CD120a + CD45	66 ± 74	29 ± 40	40 ± 47	61 ± 73	57 ± 71
CD120a + CD45RA	3 ± 6	2 ± 5	2 ± 5	5 ± 8	2 ± 5
CD120a + CD45RO	28 ± 48	13 ± 30	24 ± 38	38 ± 51	16 ± 30
CD120a + CD52	1 ± 2	0 ± 1	0 ± 1	3 ± 8	3 ± 4
CD120a + CD54	61 ± 106	30 ± 99	38 ± 99	69 ± 117	33 ± 98
CD120a + CD56	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD58	151 ± 131	158 ± 152	113 ± 132	136 ± 120	165 ± 191
CD120a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD120a + CD68	93 ± 94	113 ± 92	90 ± 92	108 ± 86	130 ± 107
CD120a + CD7	9 ± 11	5 ± 10	8 ± 11	14 ± 17	10 ± 15
CD120a + CD8a	9 ± 21	7 ± 21	7 ± 21	9 ± 21	9 ± 21
CD120a + CK14	394 ± 287	335 ± 232	281 ± 148	380 ± 133	519 ± 718
CD120a + CLA	102 ± 98	38 ± 66	66 ± 75	54 ± 66	89 ± 152
CD120a + c-myc	133 ± 169	135 ± 131	52 ± 55	102 ± 103	77 ± 48
CD120a + Collagen IV	15 ± 23	5 ± 7	5 ± 6	28 ± 47	22 ± 27
CD120a + FXIIIA	0 ± 1	1 ± 1	0 ± 1	1 ± 2	1 ± 1
CD120a + HLA-DR	306 ± 155	238 ± 194	204 ± 130	300 ± 109	282 ± 196
CD120a + IL-22R	159 ± 105	177 ± 160	100 ± 109	135 ± 115	260 ± 395
CD120a + IL-23R	148 ± 211	118 ± 221	53 ± 59	103 ± 70	100 ± 132
CD120a + Ki67	20 ± 19	18 ± 18	15 ± 18	18 ± 19	19 ± 20
CD120a + PI	130 ± 65	153 ± 119	110 ± 55	136 ± 68	209 ± 256
CD120a + Podoplanin	8 ± 15	4 ± 12	5 ± 12	11 ± 22	4 ± 12
CD120a + SNA1	82 ± 89	41 ± 39	36 ± 24	70 ± 59	57 ± 40
CD120a + STAT3	171 ± 262	136 ± 161	54 ± 91	76 ± 85	149 ± 272
CD120a + TIA1	2 ± 7	0 ± 1	0 ± 1	2 ± 6	0 ± 1
CD120a + Vimentin	235 ± 136	182 ± 125	213 ± 135	237 ± 105	243 ± 217

Tabelle 145: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + BCL2	12 ± 17	9 ± 22	4 ± 6	9 ± 14	3 ± 5
CD120b + CCR6	10 ± 17	3 ± 5	1 ± 3	7 ± 13	2 ± 3
CD120b + CD11a	51 ± 77	9 ± 30	14 ± 30	32 ± 57	14 ± 31
CD120b + CD11b	8 ± 15	4 ± 14	4 ± 14	6 ± 14	5 ± 13
CD120b + CD120a	2 ± 4	3 ± 9	2 ± 3	3 ± 6	1 ± 2
CD120b + CD138	27 ± 41	15 ± 20	16 ± 20	17 ± 33	9 ± 14
CD120b + CD15	4 ± 13	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD120b + CD1a	6 ± 10	3 ± 5	3 ± 6	3 ± 5	2 ± 5
CD120b + CD2	38 ± 57	10 ± 31	13 ± 31	30 ± 63	15 ± 31
CD120b + CD207	4 ± 7	3 ± 5	2 ± 3	3 ± 4	1 ± 3
CD120b + CD24	28 ± 48	6 ± 19	10 ± 21	10 ± 19	7 ± 19
CD120b + CD28	40 ± 61	6 ± 15	8 ± 15	32 ± 80	10 ± 18
CD120b + CD29	65 ± 92	11 ± 23	20 ± 33	50 ± 105	11 ± 22
CD120b + CD3	56 ± 79	12 ± 39	24 ± 43	73 ± 162	23 ± 41
CD120b + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD4	37 ± 58	7 ± 23	10 ± 23	33 ± 76	13 ± 25
CD120b + CD44	91 ± 123	18 ± 45	35 ± 60	72 ± 140	26 ± 45
CD120b + CD45	46 ± 61	6 ± 20	10 ± 21	54 ± 145	10 ± 21
CD120b + CD45RA	13 ± 18	2 ± 8	4 ± 8	4 ± 8	4 ± 8
CD120b + CD45RO	32 ± 46	10 ± 29	12 ± 29	30 ± 61	13 ± 30
CD120b + CD52	8 ± 10	2 ± 4	3 ± 6	20 ± 63	2 ± 4
CD120b + CD54	41 ± 56	9 ± 29	9 ± 29	16 ± 31	11 ± 29
CD120b + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120b + CD58	32 ± 59	12 ± 21	9 ± 18	40 ± 102	13 ± 20
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	16 ± 26	10 ± 24	9 ± 24	12 ± 25	9 ± 23
CD120b + CD7	53 ± 76	13 ± 42	23 ± 43	68 ± 147	20 ± 42
CD120b + CD8a	9 ± 11	2 ± 7	3 ± 7	9 ± 21	4 ± 7
CD120b + CK14	56 ± 69	26 ± 43	32 ± 46	62 ± 110	30 ± 41
CD120b + CLA	16 ± 26	5 ± 13	5 ± 13	13 ± 22	8 ± 13
CD120b + c-myc	44 ± 57	17 ± 26	14 ± 23	30 ± 60	18 ± 22
CD120b + Collagen IV	31 ± 65	6 ± 18	10 ± 19	16 ± 33	10 ± 19
CD120b + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + HLA-DR	79 ± 119	12 ± 31	18 ± 33	31 ± 46	17 ± 33
CD120b + IL-22R	5 ± 6	12 ± 23	5 ± 6	5 ± 6	4 ± 6
CD120b + IL-23R	4 ± 9	1 ± 2	2 ± 3	5 ± 11	1 ± 2
CD120b + Ki67	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD120b + PI	47 ± 60	13 ± 24	16 ± 24	19 ± 31	13 ± 19
CD120b + Podoplanin	7 ± 16	1 ± 2	1 ± 2	34 ± 102	1 ± 2
CD120b + SNA1	80 ± 125	9 ± 27	21 ± 34	26 ± 49	16 ± 28
CD120b + STAT3	10 ± 15	9 ± 19	2 ± 4	2 ± 4	2 ± 4
CD120b + TIA1	5 ± 8	1 ± 4	1 ± 4	3 ± 8	1 ± 4
CD120b + Vimentin	46 ± 66	13 ± 40	18 ± 39	25 ± 44	21 ± 40

Tabelle 146: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	3 ± 5	568 ± 1876	104 ± 227	3 ± 5	4 ± 8
CD138 + BCL2	5593 ± 7665	2725 ± 3958	2628 ± 3022	1482 ± 2640	1728 ± 2671
CD138 + CCR6	248 ± 282	370 ± 434	228 ± 267	203 ± 213	404 ± 672
CD138 + CD11a	655 ± 1104	88 ± 235	190 ± 259	150 ± 235	116 ± 228
CD138 + CD11b	146 ± 310	98 ± 313	105 ± 311	133 ± 319	112 ± 310
CD138 + CD120a	289 ± 178	220 ± 152	193 ± 127	229 ± 154	352 ± 553
CD138 + CD120b	27 ± 41	15 ± 20	16 ± 20	17 ± 33	9 ± 14
CD138 + CD15	31 ± 30	35 ± 33	17 ± 28	48 ± 69	24 ± 26
CD138 + CD1a	1568 ± 1721	931 ± 577	826 ± 772	849 ± 421	1484 ± 1524
CD138 + CD2	919 ± 1477	109 ± 281	288 ± 350	243 ± 305	256 ± 282
CD138 + CD207	1201 ± 700	940 ± 604	1002 ± 449	954 ± 358	1037 ± 647
CD138 + CD24	105 ± 319	102 ± 320	103 ± 319	105 ± 319	143 ± 324
CD138 + CD28	469 ± 1180	18 ± 41	32 ± 46	31 ± 46	29 ± 51
CD138 + CD29	15500 ± 15570	5632 ± 4515	6511 ± 5011	5228 ± 3961	5650 ± 4111
CD138 + CD3	673 ± 1121	91 ± 242	241 ± 338	282 ± 397	179 ± 301
CD138 + CD31	4 ± 8	8 ± 20	49 ± 162	4 ± 13	0 ± 1
CD138 + CD4	326 ± 911	20 ± 47	29 ± 45	46 ± 77	26 ± 45
CD138 + CD44	24148 ± 22511	8624 ± 8262	16606 ± 12777	14661 ± 9200	14452 ± 14343
CD138 + CD45	825 ± 1797	45 ± 78	157 ± 167	189 ± 358	163 ± 291
CD138 + CD45RA	105 ± 172	34 ± 100	45 ± 99	47 ± 101	36 ± 100
CD138 + CD45RO	545 ± 1201	34 ± 108	105 ± 158	128 ± 173	130 ± 248
CD138 + CD52	79 ± 124	20 ± 37	12 ± 20	221 ± 697	17 ± 21
CD138 + CD54	1740 ± 3235	278 ± 900	372 ± 920	394 ± 917	308 ± 894
CD138 + CD56	20 ± 22	144 ± 361	135 ± 262	15 ± 18	23 ± 39
CD138 + CD58	18899 ± 25539	6618 ± 6350	6961 ± 7471	6526 ± 6486	8041 ± 8240
CD138 + CD62E	14 ± 16	14 ± 25	7 ± 12	6 ± 12	6 ± 12
CD138 + CD62P	17 ± 30	15 ± 30	6 ± 21	10 ± 23	11 ± 23
CD138 + CD68	559 ± 521	666 ± 453	473 ± 473	551 ± 522	615 ± 543
CD138 + CD7	608 ± 1072	70 ± 212	259 ± 331	258 ± 334	110 ± 210
CD138 + CD8a	323 ± 380	74 ± 224	131 ± 235	119 ± 220	137 ± 229
CD138 + CK14	68063 ± 53430	20994 ± 17946	36940 ± 26666	32687 ± 19929	32278 ± 26545
CD138 + CLA	692 ± 493	229 ± 413	379 ± 422	310 ± 398	495 ± 612
CD138 + c-myc	12166 ± 9535	9125 ± 6022	5569 ± 4178	4885 ± 3987	5907 ± 3819
CD138 + Collagen IV	771 ± 1431	230 ± 298	346 ± 385	305 ± 308	193 ± 225
CD138 + FXIIIA	15 ± 29	9 ± 10	30 ± 54	9 ± 14	23 ± 59
CD138 + HLA-DR	13992 ± 16451	4186 ± 4410	4995 ± 5944	5966 ± 7156	4700 ± 5512
CD138 + IL-22R	10738 ± 5232	6537 ± 5140	5942 ± 5666	6065 ± 5518	6887 ± 5511
CD138 + IL-23R	4356 ± 3708	3805 ± 4917	1507 ± 2073	2970 ± 2474	2540 ± 2320
CD138 + Ki67	2520 ± 2396	778 ± 871	1372 ± 1578	693 ± 857	929 ± 1213
CD138 + PI	14895 ± 11243	6297 ± 3065	8163 ± 5281	6692 ± 4610	8594 ± 7589
CD138 + Podoplanin	3458 ± 7430	668 ± 1282	638 ± 1117	1727 ± 3259	385 ± 1077
CD138 + SNA1	6182 ± 12102	720 ± 979	992 ± 1453	583 ± 693	827 ± 1281
CD138 + STAT3	18991 ± 15180	9843 ± 6134	5625 ± 5862	8365 ± 5691	7937 ± 5752
CD138 + TIA1	42 ± 61	25 ± 40	43 ± 62	17 ± 22	21 ± 26
CD138 + Vimentin	4063 ± 3458	1483 ± 1471	2147 ± 1678	2014 ± 1495	2021 ± 1766

Tabelle 147: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	29 ± 42	39 ± 63	21 ± 42	31 ± 49	35 ± 43
CD15 + CCR6	3 ± 7	10 ± 23	2 ± 7	7 ± 16	5 ± 8
CD15 + CD11a	11 ± 19	0 ± 1	0 ± 1	8 ± 20	1 ± 1
CD15 + CD11b	110 ± 272	1 ± 4	2 ± 5	216 ± 497	1 ± 4
CD15 + CD120a	4 ± 6	9 ± 14	4 ± 7	7 ± 7	6 ± 7
CD15 + CD120b	4 ± 13	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD15 + CD138	31 ± 30	35 ± 33	17 ± 28	48 ± 69	24 ± 26
CD15 + CD1a	9 ± 12	15 ± 23	6 ± 10	10 ± 12	11 ± 11
CD15 + CD2	7 ± 9	3 ± 8	3 ± 8	6 ± 9	4 ± 7
CD15 + CD207	9 ± 13	19 ± 34	7 ± 12	17 ± 20	11 ± 12
CD15 + CD24	63 ± 171	0 ± 1	1 ± 3	95 ± 209	0 ± 1
CD15 + CD28	3 ± 7	1 ± 1	0 ± 0	3 ± 8	0 ± 0
CD15 + CD29	45 ± 57	26 ± 45	10 ± 14	46 ± 71	13 ± 13
CD15 + CD3	5 ± 8	0 ± 0	0 ± 0	11 ± 33	1 ± 1
CD15 + CD31	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	2 ± 6	0 ± 1	0 ± 1	6 ± 15	0 ± 1
CD15 + CD44	44 ± 44	28 ± 33	19 ± 35	85 ± 106	26 ± 32
CD15 + CD45	11 ± 14	3 ± 5	2 ± 4	19 ± 52	2 ± 4
CD15 + CD45RA	2 ± 5	0 ± 1	0 ± 1	3 ± 6	0 ± 1
CD15 + CD45RO	37 ± 87	0 ± 0	0 ± 2	40 ± 90	1 ± 3
CD15 + CD52	2 ± 5	6 ± 21	0 ± 0	16 ± 52	0 ± 0
CD15 + CD54	16 ± 33	0 ± 0	0 ± 0	4 ± 11	0 ± 1
CD15 + CD56	0 ± 0	1 ± 3	0 ± 0	1 ± 3	0 ± 0
CD15 + CD58	16 ± 20	19 ± 26	9 ± 16	16 ± 22	11 ± 15
CD15 + CD62E	1 ± 2	1 ± 2	1 ± 2	7 ± 20	2 ± 4
CD15 + CD62P	4 ± 8	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD15 + CD68	21 ± 39	46 ± 98	15 ± 37	44 ± 86	25 ± 37
CD15 + CD7	48 ± 144	1 ± 2	1 ± 2	8 ± 13	1 ± 2
CD15 + CD8a	4 ± 6	0 ± 0	0 ± 0	1 ± 2	0 ± 1
CD15 + CK14	77 ± 79	74 ± 101	31 ± 49	181 ± 287	60 ± 55
CD15 + CLA	29 ± 43	10 ± 15	7 ± 13	35 ± 60	9 ± 13
CD15 + c-myc	64 ± 66	41 ± 41	21 ± 35	129 ± 182	40 ± 60
CD15 + Collagen IV	30 ± 51	9 ± 17	6 ± 13	63 ± 103	7 ± 13
CD15 + FXIIIA	0 ± 1	1 ± 2	1 ± 2	2 ± 4	5 ± 16
CD15 + HLA-DR	54 ± 63	20 ± 23	11 ± 20	71 ± 133	18 ± 19
CD15 + IL-22R	20 ± 35	31 ± 43	16 ± 35	19 ± 34	35 ± 58
CD15 + IL-23R	23 ± 31	8 ± 14	8 ± 14	74 ± 183	26 ± 56
CD15 + Ki67	1 ± 3	4 ± 13	0 ± 0	1 ± 3	0 ± 1
CD15 + PI	33 ± 55	33 ± 69	7 ± 14	42 ± 60	14 ± 15
CD15 + Podoplanin	3 ± 7	2 ± 7	0 ± 0	5 ± 13	0 ± 0
CD15 + SNA1	106 ± 176	13 ± 17	9 ± 13	130 ± 218	13 ± 13
CD15 + STAT3	95 ± 228	18 ± 18	9 ± 16	133 ± 361	26 ± 54
CD15 + TIA1	17 ± 43	2 ± 6	2 ± 6	69 ± 162	2 ± 6
CD15 + Vimentin	39 ± 71	56 ± 114	22 ± 59	65 ± 126	38 ± 59

Tabelle 148: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + BCL2	80 ± 78	206 ± 497	50 ± 86	32 ± 62	64 ± 80
CD1a + CCR6	15 ± 17	38 ± 67	20 ± 43	23 ± 28	30 ± 41
CD1a + CD11a	62 ± 86	28 ± 64	34 ± 64	64 ± 114	37 ± 62
CD1a + CD11b	21 ± 63	19 ± 63	19 ± 63	28 ± 65	23 ± 63
CD1a + CD120a	177 ± 150	171 ± 122	141 ± 106	171 ± 80	188 ± 169
CD1a + CD120b	6 ± 10	3 ± 5	3 ± 6	3 ± 5	2 ± 5
CD1a + CD138	1568 ± 1721	931 ± 577	826 ± 772	849 ± 421	1484 ± 1524
CD1a + CD15	9 ± 12	15 ± 23	6 ± 10	10 ± 12	11 ± 11
CD1a + CD2	76 ± 97	34 ± 72	45 ± 74	59 ± 74	80 ± 74
CD1a + CD207	760 ± 626	597 ± 402	527 ± 412	738 ± 393	921 ± 716
CD1a + CD24	3 ± 6	2 ± 6	2 ± 6	3 ± 6	7 ± 16
CD1a + CD28	50 ± 76	12 ± 28	13 ± 27	16 ± 28	13 ± 27
CD1a + CD29	232 ± 216	375 ± 446	169 ± 221	202 ± 231	319 ± 340
CD1a + CD3	60 ± 83	30 ± 70	33 ± 69	61 ± 81	61 ± 81
CD1a + CD31	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	48 ± 66	16 ± 36	19 ± 36	47 ± 97	21 ± 35
CD1a + CD44	633 ± 440	608 ± 447	500 ± 351	751 ± 428	1147 ± 1116
CD1a + CD45	176 ± 299	44 ± 55	64 ± 69	105 ± 139	134 ± 229
CD1a + CD45RA	9 ± 19	5 ± 15	5 ± 15	5 ± 15	5 ± 15
CD1a + CD45RO	81 ± 140	23 ± 73	29 ± 72	69 ± 114	76 ± 145
CD1a + CD52	4 ± 7	2 ± 4	1 ± 2	4 ± 11	5 ± 7
CD1a + CD54	155 ± 282	75 ± 241	78 ± 240	120 ± 251	79 ± 240
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	925 ± 985	727 ± 635	565 ± 718	443 ± 338	1062 ± 1023
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	165 ± 197	251 ± 203	151 ± 199	182 ± 189	277 ± 223
CD1a + CD7	57 ± 95	24 ± 71	34 ± 73	57 ± 94	37 ± 73
CD1a + CD8a	14 ± 31	10 ± 31	13 ± 31	19 ± 36	22 ± 32
CD1a + CK14	1644 ± 1735	1021 ± 587	924 ± 812	1106 ± 555	1820 ± 1667
CD1a + CLA	219 ± 227	75 ± 132	119 ± 169	129 ± 191	223 ± 337
CD1a + c-myc	478 ± 816	594 ± 624	229 ± 266	220 ± 268	428 ± 393
CD1a + Collagen IV	7 ± 17	6 ± 9	7 ± 17	3 ± 6	5 ± 7
CD1a + FXIIIA	0 ± 0	1 ± 2	0 ± 0	0 ± 0	1 ± 1
CD1a + HLA-DR	1202 ± 1329	619 ± 422	494 ± 384	681 ± 394	1065 ± 993
CD1a + IL-22R	497 ± 435	520 ± 375	220 ± 264	345 ± 310	563 ± 697
CD1a + IL-23R	277 ± 274	406 ± 653	111 ± 196	177 ± 183	272 ± 371
CD1a + Ki67	34 ± 44	29 ± 46	25 ± 46	22 ± 42	33 ± 50
CD1a + PI	268 ± 216	297 ± 250	156 ± 136	214 ± 114	455 ± 475
CD1a + Podoplanin	23 ± 56	5 ± 18	5 ± 18	29 ± 68	7 ± 18
CD1a + SNA1	149 ± 188	93 ± 112	63 ± 66	78 ± 93	175 ± 312
CD1a + STAT3	919 ± 1202	725 ± 680	249 ± 337	370 ± 290	612 ± 830
CD1a + TIA1	0 ± 0	2 ± 6	1 ± 3	1 ± 3	4 ± 7
CD1a + Vimentin	596 ± 438	400 ± 266	412 ± 346	514 ± 267	815 ± 602

Tabelle 149: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + BCL2	212 ± 302	37 ± 53	93 ± 89	73 ± 59	81 ± 66
CD2 + CCR6	83 ± 139	15 ± 38	26 ± 43	65 ± 74	38 ± 43
CD2 + CD11a	809 ± 1369	163 ± 354	323 ± 381	313 ± 414	225 ± 337
CD2 + CD11b	60 ± 112	29 ± 92	29 ± 91	33 ± 91	32 ± 91
CD2 + CD120a	26 ± 41	21 ± 42	28 ± 43	28 ± 40	36 ± 45
CD2 + CD120b	38 ± 57	10 ± 31	13 ± 31	30 ± 63	15 ± 31
CD2 + CD138	919 ± 1477	109 ± 281	288 ± 350	243 ± 305	256 ± 282
CD2 + CD15	7 ± 9	3 ± 8	3 ± 8	6 ± 9	4 ± 7
CD2 + CD1a	76 ± 97	34 ± 72	45 ± 74	59 ± 74	80 ± 74
CD2 + CD207	81 ± 94	40 ± 89	58 ± 84	66 ± 88	70 ± 81
CD2 + CD24	5 ± 13	4 ± 13	4 ± 13	5 ± 13	5 ± 13
CD2 + CD28	478 ± 1132	39 ± 94	59 ± 97	71 ± 113	55 ± 94
CD2 + CD29	742 ± 1296	113 ± 271	310 ± 397	238 ± 338	187 ± 252
CD2 + CD3	798 ± 1244	172 ± 396	298 ± 399	470 ± 669	307 ± 410
CD2 + CD31	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD2 + CD4	427 ± 1075	53 ± 120	69 ± 116	152 ± 284	68 ± 115
CD2 + CD44	908 ± 1447	203 ± 459	416 ± 488	541 ± 726	381 ± 474
CD2 + CD45	840 ± 1689	78 ± 163	230 ± 257	231 ± 377	140 ± 170
CD2 + CD45RA	80 ± 112	37 ± 80	47 ± 79	58 ± 95	40 ± 79
CD2 + CD45RO	723 ± 1601	58 ± 180	171 ± 232	210 ± 320	138 ± 226
CD2 + CD52	97 ± 183	12 ± 31	22 ± 38	72 ± 185	30 ± 39
CD2 + CD54	459 ± 1088	70 ± 232	132 ± 288	121 ± 263	75 ± 231
CD2 + CD56	15 ± 23	6 ± 19	10 ± 23	11 ± 22	7 ± 19
CD2 + CD58	457 ± 714	108 ± 297	142 ± 295	192 ± 332	211 ± 315
CD2 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD62P	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD68	175 ± 242	124 ± 235	181 ± 239	154 ± 221	181 ± 214
CD2 + CD7	612 ± 1121	87 ± 218	280 ± 352	282 ± 436	152 ± 218
CD2 + CD8a	396 ± 408	118 ± 275	194 ± 275	214 ± 310	230 ± 283
CD2 + CK14	1369 ± 1849	299 ± 591	663 ± 689	673 ± 730	582 ± 531
CD2 + CLA	343 ± 456	133 ± 252	200 ± 240	215 ± 234	235 ± 239
CD2 + c-myc	226 ± 260	42 ± 69	78 ± 74	134 ± 236	82 ± 63
CD2 + Collagen IV	92 ± 139	22 ± 39	62 ± 76	54 ± 75	45 ± 48
CD2 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	4 ± 12	4 ± 10
CD2 + HLA-DR	797 ± 1154	178 ± 417	278 ± 416	317 ± 426	294 ± 416
CD2 + IL-22R	97 ± 97	45 ± 90	51 ± 88	53 ± 87	75 ± 88
CD2 + IL-23R	43 ± 72	12 ± 27	13 ± 27	34 ± 36	26 ± 32
CD2 + Ki67	29 ± 36	11 ± 26	19 ± 27	14 ± 26	16 ± 25
CD2 + PI	920 ± 1494	159 ± 291	383 ± 382	323 ± 309	360 ± 295
CD2 + Podoplanin	102 ± 192	12 ± 39	17 ± 40	102 ± 261	12 ± 39
CD2 + SNA1	607 ± 1072	63 ± 149	141 ± 169	167 ± 268	146 ± 193
CD2 + STAT3	153 ± 228	10 ± 22	11 ± 22	49 ± 60	49 ± 64
CD2 + TIA1	70 ± 80	23 ± 58	47 ± 64	46 ± 72	36 ± 56
CD2 + Vimentin	971 ± 1431	239 ± 590	471 ± 604	430 ± 595	429 ± 559

Tabelle 150: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 1	1 ± 2	1 ± 2	0 ± 1	0 ± 1
CD207 + BCL2	121 ± 158	309 ± 778	83 ± 155	70 ± 157	97 ± 162
CD207 + CCR6	22 ± 26	48 ± 87	9 ± 11	34 ± 49	32 ± 42
CD207 + CD11a	68 ± 107	38 ± 95	45 ± 93	70 ± 123	42 ± 93
CD207 + CD11b	6 ± 8	3 ± 7	3 ± 7	26 ± 54	4 ± 7
CD207 + CD120a	193 ± 127	177 ± 120	180 ± 119	198 ± 108	204 ± 164
CD207 + CD120b	4 ± 7	3 ± 5	2 ± 3	3 ± 4	1 ± 3
CD207 + CD138	1201 ± 700	940 ± 604	1002 ± 449	954 ± 358	1037 ± 647
CD207 + CD15	9 ± 13	19 ± 34	7 ± 12	17 ± 20	11 ± 12
CD207 + CD1a	760 ± 626	597 ± 402	527 ± 412	738 ± 393	921 ± 716
CD207 + CD2	81 ± 94	40 ± 89	58 ± 84	66 ± 88	70 ± 81
CD207 + CD24	1 ± 3	1 ± 3	1 ± 3	6 ± 17	1 ± 3
CD207 + CD28	38 ± 51	13 ± 30	15 ± 29	15 ± 30	14 ± 30
CD207 + CD29	306 ± 332	382 ± 375	263 ± 293	329 ± 335	332 ± 341
CD207 + CD3	47 ± 61	29 ± 63	38 ± 60	64 ± 73	49 ± 61
CD207 + CD31	0 ± 2	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD4	47 ± 67	20 ± 46	23 ± 45	48 ± 86	24 ± 45
CD207 + CD44	613 ± 329	653 ± 346	682 ± 336	926 ± 459	901 ± 488
CD207 + CD45	174 ± 278	46 ± 74	66 ± 70	95 ± 126	109 ± 172
CD207 + CD45RA	10 ± 25	3 ± 10	3 ± 10	4 ± 10	3 ± 10
CD207 + CD45RO	73 ± 154	10 ± 26	30 ± 38	52 ± 77	39 ± 72
CD207 + CD52	4 ± 6	0 ± 1	0 ± 1	6 ± 15	3 ± 4
CD207 + CD54	127 ± 252	28 ± 89	36 ± 90	63 ± 114	31 ± 89
CD207 + CD56	0 ± 0	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD207 + CD58	541 ± 500	584 ± 679	393 ± 429	417 ± 387	626 ± 481
CD207 + CD62E	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	203 ± 204	303 ± 197	182 ± 200	210 ± 204	284 ± 216
CD207 + CD7	37 ± 49	15 ± 33	26 ± 37	58 ± 81	25 ± 37
CD207 + CD8a	6 ± 8	4 ± 7	4 ± 7	12 ± 22	8 ± 10
CD207 + CK14	1325 ± 658	1227 ± 788	1329 ± 751	1495 ± 734	1483 ± 696
CD207 + CLA	273 ± 218	106 ± 185	199 ± 252	168 ± 212	230 ± 295
CD207 + c-myc	385 ± 415	824 ± 903	386 ± 410	268 ± 314	355 ± 288
CD207 + Collagen IV	4 ± 6	4 ± 6	6 ± 8	8 ± 9	4 ± 9
CD207 + FXIIIA	0 ± 0	0 ± 2	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	1101 ± 607	785 ± 507	882 ± 612	971 ± 452	1052 ± 434
CD207 + IL-22R	469 ± 360	623 ± 558	342 ± 403	410 ± 405	509 ± 412
CD207 + IL-23R	211 ± 203	197 ± 233	113 ± 188	184 ± 179	201 ± 238
CD207 + Ki67	55 ± 36	61 ± 54	46 ± 32	39 ± 36	56 ± 62
CD207 + PI	410 ± 212	504 ± 477	349 ± 122	414 ± 219	524 ± 236
CD207 + Podoplanin	9 ± 15	3 ± 5	3 ± 5	41 ± 86	2 ± 4
CD207 + SNA1	151 ± 212	82 ± 82	84 ± 88	86 ± 95	113 ± 154
CD207 + STAT3	619 ± 597	657 ± 737	352 ± 443	453 ± 407	412 ± 430
CD207 + TIA1	0 ± 1	1 ± 3	0 ± 1	4 ± 14	2 ± 4
CD207 + Vimentin	685 ± 361	503 ± 103	658 ± 334	679 ± 313	818 ± 352

Tabelle 151: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	3 ± 5	1 ± 3	2 ± 3	2 ± 3	3 ± 5
CD24 + CCR6	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 2
CD24 + CD11a	8 ± 10	4 ± 9	4 ± 9	12 ± 19	4 ± 9
CD24 + CD11b	72 ± 175	12 ± 39	13 ± 39	227 ± 494	12 ± 39
CD24 + CD120a	1 ± 1	1 ± 1	1 ± 1	5 ± 9	1 ± 1
CD24 + CD120b	28 ± 48	6 ± 19	10 ± 21	10 ± 19	7 ± 19
CD24 + CD138	105 ± 319	102 ± 320	103 ± 319	105 ± 319	143 ± 324
CD24 + CD15	63 ± 171	0 ± 1	1 ± 3	95 ± 209	0 ± 1
CD24 + CD1a	3 ± 6	2 ± 6	2 ± 6	3 ± 6	7 ± 16
CD24 + CD2	5 ± 13	4 ± 13	4 ± 13	5 ± 13	5 ± 13
CD24 + CD207	1 ± 3	1 ± 3	1 ± 3	6 ± 17	1 ± 3
CD24 + CD28	5 ± 11	1 ± 3	1 ± 3	5 ± 9	2 ± 3
CD24 + CD29	75 ± 155	48 ± 154	53 ± 153	66 ± 151	87 ± 171
CD24 + CD3	11 ± 21	5 ± 16	7 ± 17	14 ± 25	5 ± 16
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	4 ± 12	4 ± 12	4 ± 12	10 ± 17	4 ± 12
CD24 + CD44	110 ± 259	81 ± 261	89 ± 259	119 ± 259	127 ± 271
CD24 + CD45	11 ± 23	2 ± 8	3 ± 8	18 ± 43	3 ± 8
CD24 + CD45RA	9 ± 15	3 ± 10	5 ± 10	5 ± 10	4 ± 10
CD24 + CD45RO	29 ± 65	5 ± 17	6 ± 17	87 ± 226	6 ± 17
CD24 + CD52	3 ± 6	1 ± 4	2 ± 4	14 ± 42	1 ± 4
CD24 + CD54	51 ± 112	34 ± 112	34 ± 112	41 ± 111	34 ± 112
CD24 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD58	13 ± 28	11 ± 28	11 ± 28	17 ± 30	19 ± 32
CD24 + CD62E	1 ± 2	0 ± 0	0 ± 0	15 ± 35	0 ± 0
CD24 + CD62P	3 ± 6	0 ± 1	0 ± 1	5 ± 12	2 ± 6
CD24 + CD68	9 ± 26	8 ± 26	8 ± 26	11 ± 26	9 ± 26
CD24 + CD7	44 ± 125	2 ± 7	4 ± 8	7 ± 13	2 ± 7
CD24 + CD8a	4 ± 9	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD24 + CK14	119 ± 289	94 ± 292	100 ± 290	179 ± 307	144 ± 302
CD24 + CLA	13 ± 34	1 ± 5	2 ± 5	25 ± 51	3 ± 6
CD24 + c-myc	32 ± 43	9 ± 19	11 ± 19	53 ± 95	12 ± 21
CD24 + Collagen IV	12 ± 19	5 ± 17	8 ± 17	24 ± 45	6 ± 16
CD24 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD24 + HLA-DR	70 ± 128	41 ± 125	45 ± 124	70 ± 131	62 ± 131
CD24 + IL-22R	15 ± 36	12 ± 36	12 ± 36	13 ± 35	12 ± 36
CD24 + IL-23R	18 ± 44	2 ± 5	2 ± 5	92 ± 203	3 ± 5
CD24 + Ki67	10 ± 31	9 ± 31	9 ± 31	13 ± 32	15 ± 35
CD24 + PI	45 ± 77	12 ± 33	14 ± 33	31 ± 41	44 ± 99
CD24 + Podoplanin	41 ± 129	39 ± 129	39 ± 129	43 ± 129	41 ± 129
CD24 + SNA1	71 ± 128	10 ± 32	16 ± 32	70 ± 130	35 ± 77
CD24 + STAT3	79 ± 193	3 ± 6	2 ± 5	190 ± 436	2 ± 6
CD24 + TIA1	5 ± 11	0 ± 1	1 ± 3	98 ± 277	0 ± 1
CD24 + Vimentin	19 ± 55	17 ± 55	17 ± 55	21 ± 54	25 ± 56

Tabelle 152: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + BCL2	66 ± 120	7 ± 13	13 ± 18	10 ± 13	6 ± 13
CD28 + CCR6	44 ± 88	5 ± 15	6 ± 15	13 ± 18	8 ± 16
CD28 + CD11a	504 ± 1180	40 ± 96	69 ± 105	90 ± 126	50 ± 95
CD28 + CD11b	23 ± 45	5 ± 16	5 ± 16	7 ± 17	6 ± 16
CD28 + CD120a	11 ± 16	9 ± 16	7 ± 14	13 ± 22	6 ± 14
CD28 + CD120b	40 ± 61	6 ± 15	8 ± 15	32 ± 80	10 ± 18
CD28 + CD138	469 ± 1180	18 ± 41	32 ± 46	31 ± 46	29 ± 51
CD28 + CD15	3 ± 7	1 ± 1	0 ± 0	3 ± 8	0 ± 0
CD28 + CD1a	50 ± 76	12 ± 28	13 ± 27	16 ± 28	13 ± 27
CD28 + CD2	478 ± 1132	39 ± 94	59 ± 97	71 ± 113	55 ± 94
CD28 + CD207	38 ± 51	13 ± 30	15 ± 29	15 ± 30	14 ± 30
CD28 + CD24	5 ± 11	1 ± 3	1 ± 3	5 ± 9	2 ± 3
CD28 + CD29	395 ± 1036	23 ± 58	42 ± 65	57 ± 99	25 ± 57
CD28 + CD3	511 ± 1120	43 ± 106	80 ± 126	137 ± 233	72 ± 117
CD28 + CD31	3 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD4	414 ± 1079	26 ± 65	42 ± 73	78 ± 133	39 ± 67
CD28 + CD44	543 ± 1272	43 ± 97	78 ± 112	121 ± 176	68 ± 110
CD28 + CD45	550 ± 1370	27 ± 61	61 ± 89	115 ± 229	37 ± 62
CD28 + CD45RA	26 ± 67	3 ± 9	4 ± 9	7 ± 12	4 ± 9
CD28 + CD45RO	402 ± 1026	24 ± 70	46 ± 80	60 ± 102	40 ± 81
CD28 + CD52	63 ± 145	5 ± 11	10 ± 20	35 ± 95	7 ± 12
CD28 + CD54	356 ± 979	21 ± 71	23 ± 71	49 ± 87	26 ± 70
CD28 + CD56	0 ± 0	0 ± 0	0 ± 2	2 ± 5	0 ± 0
CD28 + CD58	194 ± 302	24 ± 60	25 ± 60	65 ± 120	40 ± 74
CD28 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 3
CD28 + CD68	52 ± 89	25 ± 49	25 ± 48	38 ± 62	25 ± 49
CD28 + CD7	385 ± 918	26 ± 73	53 ± 84	97 ± 192	39 ± 75
CD28 + CD8a	68 ± 103	8 ± 19	18 ± 33	15 ± 27	13 ± 21
CD28 + CK14	604 ± 1436	51 ± 99	87 ± 119	96 ± 122	77 ± 109
CD28 + CLA	79 ± 162	17 ± 37	21 ± 36	28 ± 40	23 ± 36
CD28 + c-myc	110 ± 187	10 ± 17	20 ± 29	38 ± 72	21 ± 27
CD28 + Collagen IV	67 ± 124	4 ± 8	13 ± 25	17 ± 27	14 ± 22
CD28 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD28 + HLA-DR	452 ± 970	38 ± 83	54 ± 82	76 ± 93	57 ± 92
CD28 + IL-22R	39 ± 63	13 ± 22	11 ± 21	12 ± 21	10 ± 21
CD28 + IL-23R	18 ± 36	1 ± 2	2 ± 3	6 ± 15	2 ± 2
CD28 + Ki67	8 ± 16	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD28 + PI	408 ± 1033	25 ± 45	48 ± 73	43 ± 50	38 ± 61
CD28 + Podoplanin	35 ± 73	2 ± 6	3 ± 7	32 ± 92	2 ± 6
CD28 + SNA1	348 ± 779	13 ± 31	29 ± 43	37 ± 54	30 ± 48
CD28 + STAT3	75 ± 158	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CD28 + TIA1	8 ± 13	1 ± 2	2 ± 6	3 ± 8	1 ± 2
CD28 + Vimentin	332 ± 742	40 ± 99	53 ± 97	63 ± 102	52 ± 99

Tabelle 153: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	13 ± 16	312 ± 1016	109 ± 221	11 ± 23	7 ± 11
CD29 + BCL2	2973 ± 2866	1162 ± 1297	1375 ± 1324	942 ± 1052	1124 ± 986
CD29 + CCR6	125 ± 157	115 ± 165	101 ± 132	133 ± 137	120 ± 159
CD29 + CD11a	660 ± 1214	101 ± 266	235 ± 307	217 ± 290	127 ± 257
CD29 + CD11b	143 ± 203	69 ± 188	74 ± 186	98 ± 194	75 ± 185
CD29 + CD120a	84 ± 62	106 ± 105	75 ± 77	81 ± 62	138 ± 216
CD29 + CD120b	65 ± 92	11 ± 23	20 ± 33	50 ± 105	11 ± 22
CD29 + CD138	15500 ± 15570	5632 ± 4515	6511 ± 5011	5228 ± 3961	5650 ± 4111
CD29 + CD15	45 ± 57	26 ± 45	10 ± 14	46 ± 71	13 ± 13
CD29 + CD1a	232 ± 216	375 ± 446	169 ± 221	202 ± 231	319 ± 340
CD29 + CD2	742 ± 1296	113 ± 271	310 ± 397	238 ± 338	187 ± 252
CD29 + CD207	306 ± 332	382 ± 375	263 ± 293	329 ± 335	332 ± 341
CD29 + CD24	75 ± 155	48 ± 154	53 ± 153	66 ± 151	87 ± 171
CD29 + CD28	395 ± 1036	23 ± 58	42 ± 65	57 ± 99	25 ± 57
CD29 + CD3	589 ± 990	112 ± 317	257 ± 383	416 ± 720	197 ± 334
CD29 + CD31	61 ± 87	16 ± 23	62 ± 156	58 ± 117	12 ± 18
CD29 + CD4	423 ± 1127	54 ± 157	74 ± 153	125 ± 238	57 ± 156
CD29 + CD44	12050 ± 12733	4179 ± 4422	5610 ± 4697	6354 ± 6014	5536 ± 4438
CD29 + CD45	622 ± 1445	45 ± 95	166 ± 216	330 ± 823	62 ± 96
CD29 + CD45RA	172 ± 259	51 ± 131	72 ± 128	82 ± 138	57 ± 128
CD29 + CD45RO	416 ± 1000	38 ± 116	122 ± 163	136 ± 213	91 ± 141
CD29 + CD52	49 ± 89	7 ± 15	11 ± 20	283 ± 898	10 ± 14
CD29 + CD54	1793 ± 3201	283 ± 917	381 ± 936	521 ± 1020	361 ± 909
CD29 + CD56	31 ± 30	163 ± 354	144 ± 254	28 ± 52	29 ± 34
CD29 + CD58	5752 ± 8661	2707 ± 3109	1874 ± 2981	2880 ± 3560	3019 ± 3403
CD29 + CD62E	15 ± 32	6 ± 13	7 ± 15	5 ± 13	4 ± 13
CD29 + CD62P	11 ± 25	16 ± 31	9 ± 25	26 ± 61	10 ± 25
CD29 + CD68	1141 ± 1229	1284 ± 1142	1107 ± 1199	1108 ± 1279	1185 ± 1251
CD29 + CD7	541 ± 999	63 ± 198	283 ± 386	373 ± 591	93 ± 196
CD29 + CD8a	275 ± 287	68 ± 168	114 ± 166	123 ± 180	129 ± 165
CD29 + CK14	23670 ± 17984	10490 ± 8558	12461 ± 9174	13426 ± 10077	13062 ± 8334
CD29 + CLA	352 ± 337	126 ± 225	194 ± 222	218 ± 212	208 ± 206
CD29 + c-myc	6746 ± 4484	3481 ± 3151	3338 ± 2980	3935 ± 3592	3683 ± 3044
CD29 + Collagen IV	2639 ± 3013	1202 ± 1918	1554 ± 1874	2063 ± 2322	1413 ± 1888
CD29 + FXIIIA	18 ± 34	15 ± 35	39 ± 60	15 ± 35	18 ± 35
CD29 + HLA-DR	6714 ± 8146	2393 ± 2508	2235 ± 2638	2498 ± 2640	2397 ± 2531
CD29 + IL-22R	1958 ± 2443	2238 ± 2530	1603 ± 2622	1680 ± 2576	1992 ± 2478
CD29 + IL-23R	783 ± 1113	1658 ± 2754	416 ± 880	673 ± 876	503 ± 862
CD29 + Ki67	1015 ± 1072	417 ± 573	445 ± 571	343 ± 506	423 ± 491
CD29 + PI	7749 ± 6563	3649 ± 3433	4079 ± 3771	3960 ± 3398	4599 ± 3602
CD29 + Podoplanin	3928 ± 7136	868 ± 1705	826 ± 1652	2900 ± 5449	594 ± 1641
CD29 + SNA1	8336 ± 12209	1607 ± 1820	2271 ± 2303	2227 ± 2337	1968 ± 1997
CD29 + STAT3	1930 ± 2523	3563 ± 4138	1500 ± 2510	1489 ± 2446	1317 ± 2465
CD29 + TIA1	56 ± 87	24 ± 38	43 ± 59	34 ± 56	18 ± 27
CD29 + Vimentin	3727 ± 2735	1776 ± 1721	2088 ± 1728	2318 ± 1669	2072 ± 1724

Tabelle 154: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + BCL2	137 ± 210	25 ± 32	69 ± 95	73 ± 69	47 ± 47
CD3 + CCR6	81 ± 127	16 ± 40	26 ± 47	76 ± 104	37 ± 53
CD3 + CD11a	747 ± 1221	157 ± 373	292 ± 393	427 ± 561	219 ± 368
CD3 + CD11b	51 ± 86	24 ± 77	24 ± 77	40 ± 83	32 ± 77
CD3 + CD120a	15 ± 24	12 ± 25	13 ± 24	26 ± 32	16 ± 24
CD3 + CD120b	56 ± 79	12 ± 39	24 ± 43	73 ± 162	23 ± 41
CD3 + CD138	673 ± 1121	91 ± 242	241 ± 338	282 ± 397	179 ± 301
CD3 + CD15	5 ± 8	0 ± 0	0 ± 0	11 ± 33	1 ± 1
CD3 + CD1a	60 ± 83	30 ± 70	33 ± 69	61 ± 81	61 ± 81
CD3 + CD2	798 ± 1244	172 ± 396	298 ± 399	470 ± 669	307 ± 410
CD3 + CD207	47 ± 61	29 ± 63	38 ± 60	64 ± 73	49 ± 61
CD3 + CD24	11 ± 21	5 ± 16	7 ± 17	14 ± 25	5 ± 16
CD3 + CD28	511 ± 1120	43 ± 106	80 ± 126	137 ± 233	72 ± 117
CD3 + CD29	589 ± 990	112 ± 317	257 ± 383	416 ± 720	197 ± 334
CD3 + CD31	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD4	428 ± 957	62 ± 150	96 ± 153	264 ± 530	85 ± 149
CD3 + CD44	859 ± 1314	194 ± 468	427 ± 589	890 ± 1410	395 ± 585
CD3 + CD45	669 ± 1264	77 ± 171	221 ± 282	419 ± 828	121 ± 172
CD3 + CD45RA	67 ± 114	42 ± 110	50 ± 109	71 ± 127	50 ± 108
CD3 + CD45RO	470 ± 946	56 ± 176	140 ± 217	253 ± 388	144 ± 259
CD3 + CD52	88 ± 161	12 ± 31	26 ± 48	166 ± 480	25 ± 34
CD3 + CD54	384 ± 770	81 ± 268	92 ± 266	195 ± 358	95 ± 265
CD3 + CD56	1 ± 1	0 ± 1	2 ± 5	4 ± 11	2 ± 5
CD3 + CD58	425 ± 726	104 ± 297	119 ± 293	366 ± 691	254 ± 431
CD3 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD62P	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD68	122 ± 192	90 ± 196	105 ± 191	126 ± 185	114 ± 190
CD3 + CD7	550 ± 943	114 ± 325	268 ± 376	574 ± 981	193 ± 339
CD3 + CD8a	258 ± 301	91 ± 232	166 ± 247	229 ± 331	195 ± 283
CD3 + CK14	1006 ± 1394	251 ± 596	549 ± 736	890 ± 1264	530 ± 725
CD3 + CLA	229 ± 272	97 ± 204	141 ± 197	215 ± 234	178 ± 227
CD3 + c-myc	175 ± 218	31 ± 56	80 ± 112	266 ± 593	113 ± 152
CD3 + Collagen IV	99 ± 151	18 ± 43	60 ± 91	139 ± 261	54 ± 89
CD3 + FXIIIA	2 ± 4	1 ± 3	1 ± 3	6 ± 11	1 ± 3
CD3 + HLA-DR	713 ± 1009	159 ± 397	294 ± 450	409 ± 511	306 ± 487
CD3 + IL-22R	63 ± 78	32 ± 69	41 ± 69	45 ± 68	44 ± 66
CD3 + IL-23R	26 ± 53	7 ± 13	5 ± 11	30 ± 40	10 ± 12
CD3 + Ki67	27 ± 42	14 ± 39	22 ± 40	16 ± 38	16 ± 39
CD3 + PI	704 ± 1100	141 ± 320	328 ± 454	380 ± 434	339 ± 491
CD3 + Podoplanin	123 ± 231	19 ± 63	30 ± 68	314 ± 803	21 ± 63
CD3 + SNA1	522 ± 899	41 ± 109	136 ± 200	255 ± 486	133 ± 233
CD3 + STAT3	89 ± 143	7 ± 11	5 ± 10	36 ± 50	12 ± 15
CD3 + TIA1	51 ± 62	18 ± 46	30 ± 44	46 ± 77	30 ± 46
CD3 + Vimentin	665 ± 951	179 ± 475	293 ± 480	414 ± 548	318 ± 492

Tabelle 155: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	5 ± 8	8 ± 21	38 ± 111	11 ± 30	1 ± 4
CD31 + BCL2	3 ± 5	1 ± 3	3 ± 5	1 ± 3	1 ± 3
CD31 + CCR6	0 ± 0	2 ± 7	17 ± 56	0 ± 0	0 ± 0
CD31 + CD11a	1 ± 2	1 ± 2	1 ± 2	1 ± 3	1 ± 2
CD31 + CD11b	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD31 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD31 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD138	4 ± 8	8 ± 20	49 ± 162	4 ± 13	0 ± 1
CD31 + CD15	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CD207	0 ± 2	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	3 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD29	61 ± 87	16 ± 23	62 ± 156	58 ± 117	12 ± 18
CD31 + CD3	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD4	12 ± 30	1 ± 3	2 ± 3	1 ± 3	1 ± 3
CD31 + CD44	19 ± 31	2 ± 5	3 ± 5	5 ± 9	4 ± 7
CD31 + CD45	3 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD45RA	0 ± 1	0 ± 1	2 ± 5	1 ± 1	0 ± 1
CD31 + CD45RO	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD54	50 ± 79	5 ± 11	7 ± 11	81 ± 239	7 ± 11
CD31 + CD56	0 ± 0	3 ± 11	31 ± 103	0 ± 0	0 ± 0
CD31 + CD58	12 ± 16	6 ± 10	16 ± 37	20 ± 42	5 ± 10
CD31 + CD62E	1 ± 3	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD31 + CD62P	1 ± 2	1 ± 2	1 ± 3	27 ± 88	1 ± 2
CD31 + CD68	10 ± 13	8 ± 13	11 ± 14	8 ± 13	10 ± 14
CD31 + CD7	1 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD8a	0 ± 0	0 ± 0	0 ± 0	3 ± 10	0 ± 1
CD31 + CK14	26 ± 43	13 ± 20	55 ± 152	20 ± 29	10 ± 13
CD31 + CLA	1 ± 2	0 ± 0	0 ± 0	1 ± 2	0 ± 1
CD31 + c-myc	40 ± 67	13 ± 24	58 ± 160	10 ± 15	7 ± 15
CD31 + Collagen IV	52 ± 73	10 ± 18	13 ± 17	79 ± 170	14 ± 18
CD31 + FXIIIA	1 ± 3	2 ± 3	15 ± 47	1 ± 3	1 ± 3
CD31 + HLA-DR	39 ± 58	5 ± 8	8 ± 9	9 ± 15	4 ± 8
CD31 + IL-22R	0 ± 1	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD31 + Ki67	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + PI	30 ± 46	8 ± 11	36 ± 95	26 ± 60	5 ± 8
CD31 + Podoplanin	0 ± 0	5 ± 15	39 ± 128	0 ± 0	0 ± 0
CD31 + SNA1	62 ± 89	11 ± 18	14 ± 18	69 ± 143	14 ± 18
CD31 + STAT3	0 ± 0	8 ± 21	49 ± 163	0 ± 1	0 ± 0
CD31 + TIA1	0 ± 0	1 ± 4	11 ± 37	1 ± 2	0 ± 0
CD31 + Vimentin	37 ± 48	6 ± 14	11 ± 18	75 ± 216	7 ± 14

Tabelle 156: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	1 ± 2	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD4 + BCL2	62 ± 123	10 ± 18	17 ± 23	28 ± 48	12 ± 18
CD4 + CCR6	37 ± 81	6 ± 18	7 ± 18	28 ± 54	9 ± 18
CD4 + CD11a	515 ± 1207	63 ± 150	94 ± 151	271 ± 581	78 ± 147
CD4 + CD11b	62 ± 112	24 ± 73	25 ± 73	32 ± 74	31 ± 73
CD4 + CD120a	17 ± 22	9 ± 21	10 ± 20	27 ± 40	14 ± 20
CD4 + CD120b	37 ± 58	7 ± 23	10 ± 23	33 ± 76	13 ± 25
CD4 + CD138	326 ± 911	20 ± 47	29 ± 45	46 ± 77	26 ± 45
CD4 + CD15	2 ± 6	0 ± 1	0 ± 1	6 ± 15	0 ± 1
CD4 + CD1a	48 ± 66	16 ± 36	19 ± 36	47 ± 97	21 ± 35
CD4 + CD2	427 ± 1075	53 ± 120	69 ± 116	152 ± 284	68 ± 115
CD4 + CD207	47 ± 67	20 ± 46	23 ± 45	48 ± 86	24 ± 45
CD4 + CD24	4 ± 12	4 ± 12	4 ± 12	10 ± 17	4 ± 12
CD4 + CD28	414 ± 1079	26 ± 65	42 ± 73	78 ± 133	39 ± 67
CD4 + CD29	423 ± 1127	54 ± 157	74 ± 153	125 ± 238	57 ± 156
CD4 + CD3	428 ± 957	62 ± 150	96 ± 153	264 ± 530	85 ± 149
CD4 + CD31	12 ± 30	1 ± 3	2 ± 3	1 ± 3	1 ± 3
CD4 + CD44	515 ± 1165	81 ± 182	117 ± 177	341 ± 706	105 ± 176
CD4 + CD45	512 ± 1316	39 ± 87	74 ± 102	221 ± 517	53 ± 86
CD4 + CD45RA	46 ± 100	10 ± 31	12 ± 31	69 ± 181	10 ± 31
CD4 + CD45RO	373 ± 948	31 ± 96	53 ± 101	116 ± 239	43 ± 99
CD4 + CD52	55 ± 133	6 ± 16	11 ± 23	53 ± 145	9 ± 16
CD4 + CD54	427 ± 1077	51 ± 170	59 ± 168	204 ± 457	59 ± 168
CD4 + CD56	5 ± 10	1 ± 3	3 ± 5	3 ± 5	2 ± 5
CD4 + CD58	127 ± 175	40 ± 108	44 ± 106	111 ± 211	55 ± 108
CD4 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD4 + CD68	83 ± 132	52 ± 121	57 ± 119	87 ± 133	57 ± 119
CD4 + CD7	348 ± 851	38 ± 105	62 ± 106	166 ± 372	47 ± 104
CD4 + CD8a	25 ± 49	8 ± 21	14 ± 27	17 ± 33	9 ± 21
CD4 + CK14	549 ± 1274	100 ± 221	141 ± 212	278 ± 495	126 ± 213
CD4 + CLA	86 ± 148	30 ± 63	33 ± 62	69 ± 111	37 ± 61
CD4 + c-myc	215 ± 418	52 ± 136	70 ± 134	242 ± 552	68 ± 134
CD4 + Collagen IV	133 ± 234	35 ± 100	53 ± 98	101 ± 193	46 ± 98
CD4 + FXIIIA	4 ± 11	3 ± 11	4 ± 11	6 ± 12	4 ± 11
CD4 + HLA-DR	432 ± 849	75 ± 172	100 ± 166	232 ± 430	97 ± 168
CD4 + IL-22R	27 ± 37	14 ± 30	14 ± 30	18 ± 29	17 ± 29
CD4 + IL-23R	16 ± 34	3 ± 7	3 ± 7	26 ± 58	4 ± 7
CD4 + Ki67	6 ± 12	3 ± 10	4 ± 10	3 ± 10	3 ± 10
CD4 + PI	377 ± 945	44 ± 99	68 ± 102	136 ± 268	58 ± 95
CD4 + Podoplanin	34 ± 61	10 ± 31	10 ± 31	91 ± 243	11 ± 31
CD4 + SNA1	399 ± 888	41 ± 108	74 ± 111	162 ± 339	58 ± 106
CD4 + STAT3	34 ± 66	3 ± 3	2 ± 3	6 ± 7	4 ± 6
CD4 + TIA1	9 ± 17	1 ± 4	3 ± 7	6 ± 15	2 ± 4
CD4 + Vimentin	349 ± 709	74 ± 198	92 ± 193	202 ± 384	92 ± 194

Tabelle 157: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1 ± 2	16 ± 51	3 ± 6	1 ± 1	1 ± 2
CD44 + BCL2	2217 ± 2791	1158 ± 1833	1572 ± 2031	953 ± 1804	1015 ± 1777
CD44 + CCR6	147 ± 173	88 ± 94	85 ± 63	221 ± 226	247 ± 374
CD44 + CD11a	1049 ± 1681	203 ± 483	405 ± 506	633 ± 856	263 ± 474
CD44 + CD11b	278 ± 476	153 ± 477	166 ± 473	232 ± 480	195 ± 470
CD44 + CD120a	189 ± 109	191 ± 154	165 ± 112	292 ± 145	280 ± 313
CD44 + CD120b	91 ± 123	18 ± 45	35 ± 60	72 ± 140	26 ± 45
CD44 + CD138	24148 ± 22511	8624 ± 8262	16606 ± 12777	14661 ± 9200	14452 ± 14343
CD44 + CD15	44 ± 44	28 ± 33	19 ± 35	85 ± 106	26 ± 32
CD44 + CD1a	633 ± 440	608 ± 447	500 ± 351	751 ± 428	1147 ± 1116
CD44 + CD2	908 ± 1447	203 ± 459	416 ± 488	541 ± 726	381 ± 474
CD44 + CD207	613 ± 329	653 ± 346	682 ± 336	926 ± 459	901 ± 488
CD44 + CD24	110 ± 259	81 ± 261	89 ± 259	119 ± 259	127 ± 271
CD44 + CD28	543 ± 1272	43 ± 97	78 ± 112	121 ± 176	68 ± 110
CD44 + CD29	12050 ± 12733	4179 ± 4422	5610 ± 4697	6354 ± 6014	5536 ± 4438
CD44 + CD3	859 ± 1314	194 ± 468	427 ± 589	890 ± 1410	395 ± 585
CD44 + CD31	19 ± 31	2 ± 5	3 ± 5	5 ± 9	4 ± 7
CD44 + CD4	515 ± 1165	81 ± 182	117 ± 177	341 ± 706	105 ± 176
CD44 + CD45	1075 ± 2252	108 ± 209	311 ± 342	601 ± 1179	217 ± 287
CD44 + CD45RA	206 ± 323	64 ± 197	91 ± 200	162 ± 311	75 ± 194
CD44 + CD45RO	649 ± 1434	71 ± 221	176 ± 256	362 ± 539	235 ± 428
CD44 + CD52	93 ± 161	17 ± 33	25 ± 46	397 ± 1250	32 ± 40
CD44 + CD54	2264 ± 4155	392 ± 1271	499 ± 1274	873 ± 1680	464 ± 1259
CD44 + CD56	20 ± 24	10 ± 20	22 ± 27	21 ± 29	13 ± 20
CD44 + CD58	10825 ± 15814	4146 ± 5546	4422 ± 5801	5074 ± 5971	6145 ± 7387
CD44 + CD62E	2 ± 7	6 ± 21	1 ± 4	0 ± 1	0 ± 1
CD44 + CD62P	2 ± 5	1 ± 4	0 ± 0	0 ± 0	3 ± 9
CD44 + CD68	615 ± 656	602 ± 610	602 ± 600	684 ± 598	744 ± 779
CD44 + CD7	714 ± 1181	130 ± 375	408 ± 505	738 ± 1069	203 ± 373
CD44 + CD8a	400 ± 468	125 ± 353	217 ± 351	274 ± 403	237 ± 372
CD44 + CK14	31214 ± 25008	12697 ± 14161	24174 ± 19087	24870 ± 17555	21641 ± 18497
CD44 + CLA	591 ± 585	245 ± 470	398 ± 449	490 ± 466	492 ± 552
CD44 + c-myc	5008 ± 3312	3923 ± 2463	3106 ± 2337	3699 ± 2502	3816 ± 2403
CD44 + Collagen IV	1345 ± 1808	445 ± 738	823 ± 780	1019 ± 1103	649 ± 792
CD44 + FXIIIA	8 ± 11	5 ± 11	10 ± 13	15 ± 28	22 ± 52
CD44 + HLA-DR	11663 ± 13712	4365 ± 5932	5161 ± 6333	7066 ± 7287	5635 ± 6806
CD44 + IL-22R	4151 ± 3097	3658 ± 3311	3485 ± 3598	3642 ± 3451	4133 ± 3329
CD44 + IL-23R	1070 ± 1141	2078 ± 3410	434 ± 737	994 ± 1049	734 ± 766
CD44 + Ki67	1210 ± 1069	498 ± 666	943 ± 1108	634 ± 690	759 ± 1153
CD44 + PI	7213 ± 5208	3346 ± 2522	5793 ± 4132	5737 ± 3073	5934 ± 5168
CD44 + Podoplanin	4469 ± 7813	634 ± 2027	855 ± 2059	3812 ± 7326	695 ± 2018
CD44 + SNA1	6621 ± 11679	921 ± 1341	1690 ± 1808	1693 ± 2080	1446 ± 1814
CD44 + STAT3	4058 ± 3727	3505 ± 3341	1642 ± 1592	2828 ± 1842	2637 ± 1914
CD44 + TIA1	75 ± 117	17 ± 47	38 ± 52	62 ± 115	29 ± 47
CD44 + Vimentin	3500 ± 3133	1635 ± 2314	2556 ± 2415	2876 ± 2345	2528 ± 2489

Tabelle 158: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + BCL2	128 ± 217	14 ± 27	44 ± 54	30 ± 39	16 ± 27
CD45 + CCR6	70 ± 138	8 ± 24	16 ± 29	36 ± 61	18 ± 27
CD45 + CD11a	881 ± 1749	88 ± 196	267 ± 308	364 ± 583	120 ± 192
CD45 + CD11b	114 ± 173	23 ± 73	28 ± 73	43 ± 89	30 ± 74
CD45 + CD120a	66 ± 74	29 ± 40	40 ± 47	61 ± 73	57 ± 71
CD45 + CD120b	46 ± 61	6 ± 20	10 ± 21	54 ± 145	10 ± 21
CD45 + CD138	825 ± 1797	45 ± 78	157 ± 167	189 ± 358	163 ± 291
CD45 + CD15	11 ± 14	3 ± 5	2 ± 4	19 ± 52	2 ± 4
CD45 + CD1a	176 ± 299	44 ± 55	64 ± 69	105 ± 139	134 ± 229
CD45 + CD2	840 ± 1689	78 ± 163	230 ± 257	231 ± 377	140 ± 170
CD45 + CD207	174 ± 278	46 ± 74	66 ± 70	95 ± 126	109 ± 172
CD45 + CD24	11 ± 23	2 ± 8	3 ± 8	18 ± 43	3 ± 8
CD45 + CD28	550 ± 1370	27 ± 61	61 ± 89	115 ± 229	37 ± 62
CD45 + CD29	622 ± 1445	45 ± 95	166 ± 216	330 ± 823	62 ± 96
CD45 + CD3	669 ± 1264	77 ± 171	221 ± 282	419 ± 828	121 ± 172
CD45 + CD31	3 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD4	512 ± 1316	39 ± 87	74 ± 102	221 ± 517	53 ± 86
CD45 + CD44	1075 ± 2252	108 ± 209	311 ± 342	601 ± 1179	217 ± 287
CD45 + CD45RA	80 ± 173	14 ± 40	24 ± 46	65 ± 154	14 ± 40
CD45 + CD45RO	776 ± 1902	42 ± 130	154 ± 202	216 ± 351	81 ± 143
CD45 + CD52	96 ± 186	8 ± 23	21 ± 41	169 ± 520	16 ± 24
CD45 + CD54	673 ± 1802	43 ± 143	92 ± 190	213 ± 459	50 ± 142
CD45 + CD56	3 ± 6	1 ± 2	2 ± 4	1 ± 2	2 ± 4
CD45 + CD58	371 ± 469	61 ± 114	94 ± 123	342 ± 787	124 ± 139
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	157 ± 275	61 ± 99	86 ± 96	93 ± 119	107 ± 148
CD45 + CD7	520 ± 1120	40 ± 99	193 ± 246	306 ± 638	76 ± 114
CD45 + CD8a	248 ± 319	31 ± 77	94 ± 120	132 ± 238	68 ± 92
CD45 + CK14	1138 ± 2226	100 ± 177	345 ± 363	570 ± 1105	214 ± 279
CD45 + CLA	237 ± 423	49 ± 89	89 ± 85	122 ± 146	81 ± 95
CD45 + c-myc	272 ± 424	23 ± 38	71 ± 104	265 ± 666	37 ± 41
CD45 + Collagen IV	115 ± 203	8 ± 20	50 ± 94	113 ± 279	14 ± 22
CD45 + FXIIIA	2 ± 5	2 ± 5	2 ± 5	5 ± 12	2 ± 5
CD45 + HLA-DR	1017 ± 1949	101 ± 193	229 ± 246	346 ± 516	185 ± 214
CD45 + IL-22R	106 ± 119	35 ± 58	37 ± 56	48 ± 62	72 ± 94
CD45 + IL-23R	65 ± 106	12 ± 14	11 ± 13	47 ± 88	38 ± 58
CD45 + Ki67	20 ± 37	4 ± 10	8 ± 10	4 ± 10	11 ± 24
CD45 + PI	740 ± 1634	47 ± 73	185 ± 241	215 ± 355	103 ± 111
CD45 + Podoplanin	57 ± 94	4 ± 13	9 ± 20	263 ± 822	5 ± 13
CD45 + SNA1	712 ± 1504	35 ± 79	126 ± 166	189 ± 405	68 ± 100
CD45 + STAT3	190 ± 361	12 ± 16	9 ± 15	21 ± 18	49 ± 97
CD45 + TIA1	38 ± 48	4 ± 12	16 ± 19	29 ± 73	9 ± 13
CD45 + Vimentin	786 ± 1607	87 ± 168	211 ± 204	243 ± 331	191 ± 254

Tabelle 159: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	0 ± 0	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD45RA + BCL2	35 ± 46	13 ± 22	20 ± 23	16 ± 22	18 ± 22
CD45RA + CCR6	8 ± 13	3 ± 6	6 ± 9	6 ± 9	4 ± 8
CD45RA + CD11a	146 ± 225	60 ± 165	76 ± 164	146 ± 279	66 ± 163
CD45RA + CD11b	38 ± 74	23 ± 75	24 ± 75	30 ± 74	24 ± 75
CD45RA + CD120a	3 ± 6	2 ± 5	2 ± 5	5 ± 8	2 ± 5
CD45RA + CD120b	13 ± 18	2 ± 8	4 ± 8	4 ± 8	4 ± 8
CD45RA + CD138	105 ± 172	34 ± 100	45 ± 99	47 ± 101	36 ± 100
CD45RA + CD15	2 ± 5	0 ± 1	0 ± 1	3 ± 6	0 ± 1
CD45RA + CD1a	9 ± 19	5 ± 15	5 ± 15	5 ± 15	5 ± 15
CD45RA + CD2	80 ± 112	37 ± 80	47 ± 79	58 ± 95	40 ± 79
CD45RA + CD207	10 ± 25	3 ± 10	3 ± 10	4 ± 10	3 ± 10
CD45RA + CD24	9 ± 15	3 ± 10	5 ± 10	5 ± 10	4 ± 10
CD45RA + CD28	26 ± 67	3 ± 9	4 ± 9	7 ± 12	4 ± 9
CD45RA + CD29	172 ± 259	51 ± 131	72 ± 128	82 ± 138	57 ± 128
CD45RA + CD3	67 ± 114	42 ± 110	50 ± 109	71 ± 127	50 ± 108
CD45RA + CD31	0 ± 1	0 ± 1	2 ± 5	1 ± 1	0 ± 1
CD45RA + CD4	46 ± 100	10 ± 31	12 ± 31	69 ± 181	10 ± 31
CD45RA + CD44	206 ± 323	64 ± 197	91 ± 200	162 ± 311	75 ± 194
CD45RA + CD45	80 ± 173	14 ± 40	24 ± 46	65 ± 154	14 ± 40
CD45RA + CD45RO	28 ± 67	5 ± 16	7 ± 17	8 ± 17	5 ± 16
CD45RA + CD52	6 ± 8	2 ± 4	4 ± 9	14 ± 40	2 ± 3
CD45RA + CD54	135 ± 269	47 ± 157	49 ± 156	98 ± 212	48 ± 157
CD45RA + CD56	11 ± 20	6 ± 20	9 ± 20	10 ± 22	6 ± 20
CD45RA + CD58	75 ± 148	38 ± 120	39 ± 119	60 ± 127	42 ± 119
CD45RA + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + CD62P	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD68	48 ± 100	38 ± 102	39 ± 101	59 ± 107	41 ± 101
CD45RA + CD7	120 ± 199	54 ± 166	75 ± 169	81 ± 167	59 ± 165
CD45RA + CD8a	57 ± 92	40 ± 94	44 ± 92	49 ± 94	45 ± 92
CD45RA + CK14	252 ± 369	120 ± 315	153 ± 309	194 ± 338	139 ± 308
CD45RA + CLA	106 ± 165	50 ± 125	56 ± 123	86 ± 132	65 ± 122
CD45RA + c-myc	103 ± 143	27 ± 83	39 ± 82	119 ± 267	36 ± 80
CD45RA + Collagen IV	63 ± 94	21 ± 60	29 ± 60	54 ± 92	25 ± 59
CD45RA + FXIIIA	3 ± 9	3 ± 9	4 ± 9	4 ± 9	3 ± 9
CD45RA + HLA-DR	212 ± 305	71 ± 209	83 ± 207	118 ± 229	79 ± 207
CD45RA + IL-22R	15 ± 39	12 ± 39	13 ± 39	13 ± 39	12 ± 39
CD45RA + IL-23R	3 ± 6	1 ± 2	1 ± 2	2 ± 4	1 ± 2
CD45RA + Ki67	10 ± 21	6 ± 18	6 ± 18	6 ± 18	6 ± 18
CD45RA + PI	164 ± 250	54 ± 135	81 ± 140	120 ± 208	69 ± 131
CD45RA + Podoplanin	29 ± 49	8 ± 27	12 ± 27	35 ± 87	8 ± 26
CD45RA + SNA1	155 ± 247	22 ± 56	36 ± 60	64 ± 112	25 ± 55
CD45RA + STAT3	10 ± 24	1 ± 3	4 ± 10	2 ± 3	1 ± 3
CD45RA + TIA1	27 ± 40	11 ± 24	16 ± 22	16 ± 24	12 ± 23
CD45RA + Vimentin	162 ± 257	70 ± 215	82 ± 212	107 ± 224	75 ± 213

Tabelle 160: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	0 ± 1	0 ± 1	1 ± 2	0 ± 0	1 ± 5
CD45RO + BCL2	87 ± 181	3 ± 7	30 ± 51	15 ± 18	13 ± 23
CD45RO + CCR6	53 ± 113	8 ± 24	11 ± 25	31 ± 41	17 ± 30
CD45RO + CD11a	592 ± 1253	55 ± 174	149 ± 210	182 ± 249	88 ± 185
CD45RO + CD11b	135 ± 215	34 ± 113	39 ± 112	177 ± 363	77 ± 139
CD45RO + CD120a	28 ± 48	13 ± 30	24 ± 38	38 ± 51	16 ± 30
CD45RO + CD120b	32 ± 46	10 ± 29	12 ± 29	30 ± 61	13 ± 30
CD45RO + CD138	545 ± 1201	34 ± 108	105 ± 158	128 ± 173	130 ± 248
CD45RO + CD15	37 ± 87	0 ± 0	0 ± 2	40 ± 90	1 ± 3
CD45RO + CD1a	81 ± 140	23 ± 73	29 ± 72	69 ± 114	76 ± 145
CD45RO + CD2	723 ± 1601	58 ± 180	171 ± 232	210 ± 320	138 ± 226
CD45RO + CD207	73 ± 154	10 ± 26	30 ± 38	52 ± 77	39 ± 72
CD45RO + CD24	29 ± 65	5 ± 17	6 ± 17	87 ± 226	6 ± 17
CD45RO + CD28	402 ± 1026	24 ± 70	46 ± 80	60 ± 102	40 ± 81
CD45RO + CD29	416 ± 1000	38 ± 116	122 ± 163	136 ± 213	91 ± 141
CD45RO + CD3	470 ± 946	56 ± 176	140 ± 217	253 ± 388	144 ± 259
CD45RO + CD31	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD4	373 ± 948	31 ± 96	53 ± 101	116 ± 239	43 ± 99
CD45RO + CD44	649 ± 1434	71 ± 221	176 ± 256	362 ± 539	235 ± 428
CD45RO + CD45	776 ± 1902	42 ± 130	154 ± 202	216 ± 351	81 ± 143
CD45RO + CD45RA	28 ± 67	5 ± 16	7 ± 17	8 ± 17	5 ± 16
CD45RO + CD52	69 ± 159	6 ± 21	15 ± 30	43 ± 111	14 ± 25
CD45RO + CD54	519 ± 1361	54 ± 178	75 ± 181	110 ± 203	74 ± 178
CD45RO + CD56	1 ± 3	0 ± 1	2 ± 4	1 ± 2	2 ± 4
CD45RO + CD58	216 ± 349	37 ± 119	43 ± 117	106 ± 173	142 ± 282
CD45RO + CD62E	1 ± 2	0 ± 0	0 ± 1	47 ± 105	0 ± 0
CD45RO + CD62P	2 ± 4	0 ± 0	0 ± 0	30 ± 77	0 ± 0
CD45RO + CD68	138 ± 292	50 ± 150	73 ± 149	77 ± 149	77 ± 154
CD45RO + CD7	412 ± 913	37 ± 117	122 ± 165	181 ± 269	69 ± 125
CD45RO + CD8a	129 ± 203	10 ± 34	40 ± 67	48 ± 74	40 ± 70
CD45RO + CK14	693 ± 1452	64 ± 190	217 ± 310	343 ± 469	264 ± 435
CD45RO + CLA	148 ± 355	13 ± 35	36 ± 46	80 ± 108	36 ± 59
CD45RO + c-myc	127 ± 225	8 ± 23	40 ± 74	71 ± 140	37 ± 66
CD45RO + Collagen IV	68 ± 122	6 ± 20	37 ± 73	30 ± 51	19 ± 41
CD45RO + FXIIIA	2 ± 6	2 ± 6	3 ± 6	3 ± 7	3 ± 6
CD45RO + HLA-DR	689 ± 1401	67 ± 211	159 ± 262	232 ± 324	198 ± 371
CD45RO + IL-22R	41 ± 62	10 ± 24	14 ± 25	13 ± 23	15 ± 25
CD45RO + IL-23R	63 ± 126	5 ± 16	10 ± 17	139 ± 305	24 ± 39
CD45RO + Ki67	17 ± 40	4 ± 14	6 ± 13	6 ± 14	7 ± 14
CD45RO + PI	571 ± 1377	38 ± 106	141 ± 189	175 ± 214	159 ± 264
CD45RO + Podoplanin	31 ± 52	8 ± 25	11 ± 26	51 ± 123	8 ± 25
CD45RO + SNA1	598 ± 1280	32 ± 105	107 ± 163	160 ± 273	138 ± 277
CD45RO + STAT3	162 ± 333	3 ± 6	3 ± 6	175 ± 394	15 ± 26
CD45RO + TIA1	28 ± 48	2 ± 6	6 ± 10	75 ± 231	4 ± 8
CD45RO + Vimentin	646 ± 1403	79 ± 252	198 ± 293	213 ± 296	219 ± 351

Tabelle 161: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + BCL2	41 ± 73	5 ± 5	5 ± 7	13 ± 31	4 ± 4
CD52 + CCR6	25 ± 43	13 ± 31	4 ± 9	23 ± 59	7 ± 9
CD52 + CD11a	91 ± 178	11 ± 29	24 ± 43	71 ± 179	22 ± 31
CD52 + CD11b	6 ± 13	2 ± 6	2 ± 6	18 ± 51	2 ± 6
CD52 + CD120a	1 ± 2	0 ± 1	0 ± 1	3 ± 8	3 ± 4
CD52 + CD120b	8 ± 10	2 ± 4	3 ± 6	20 ± 63	2 ± 4
CD52 + CD138	79 ± 124	20 ± 37	12 ± 20	221 ± 697	17 ± 21
CD52 + CD15	2 ± 5	6 ± 21	0 ± 0	16 ± 52	0 ± 0
CD52 + CD1a	4 ± 7	2 ± 4	1 ± 2	4 ± 11	5 ± 7
CD52 + CD2	97 ± 183	12 ± 31	22 ± 38	72 ± 185	30 ± 39
CD52 + CD207	4 ± 6	0 ± 1	0 ± 1	6 ± 15	3 ± 4
CD52 + CD24	3 ± 6	1 ± 4	2 ± 4	14 ± 42	1 ± 4
CD52 + CD28	63 ± 145	5 ± 11	10 ± 20	35 ± 95	7 ± 12
CD52 + CD29	49 ± 89	7 ± 15	11 ± 20	283 ± 898	10 ± 14
CD52 + CD3	88 ± 161	12 ± 31	26 ± 48	166 ± 480	25 ± 34
CD52 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD4	55 ± 133	6 ± 16	11 ± 23	53 ± 145	9 ± 16
CD52 + CD44	93 ± 161	17 ± 33	25 ± 46	397 ± 1250	32 ± 40
CD52 + CD45	96 ± 186	8 ± 23	21 ± 41	169 ± 520	16 ± 24
CD52 + CD45RA	6 ± 8	2 ± 4	4 ± 9	14 ± 40	2 ± 3
CD52 + CD45RO	69 ± 159	6 ± 21	15 ± 30	43 ± 111	14 ± 25
CD52 + CD54	40 ± 106	4 ± 12	4 ± 12	75 ± 231	4 ± 12
CD52 + CD56	0 ± 0	0 ± 0	0 ± 1	2 ± 7	0 ± 0
CD52 + CD58	40 ± 47	8 ± 16	6 ± 16	482 ± 1564	15 ± 19
CD52 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD62P	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD52 + CD68	10 ± 17	8 ± 17	7 ± 18	11 ± 18	10 ± 17
CD52 + CD7	57 ± 117	5 ± 13	16 ± 32	113 ± 341	13 ± 17
CD52 + CD8a	39 ± 45	8 ± 19	18 ± 32	51 ± 129	20 ± 27
CD52 + CK14	122 ± 154	26 ± 39	25 ± 40	550 ± 1740	33 ± 35
CD52 + CLA	21 ± 33	7 ± 14	7 ± 12	26 ± 63	14 ± 21
CD52 + c-myc	54 ± 91	14 ± 35	10 ± 25	205 ± 651	7 ± 7
CD52 + Collagen IV	12 ± 17	2 ± 4	8 ± 21	121 ± 377	3 ± 3
CD52 + FXIIIA	0 ± 1	1 ± 3	0 ± 0	0 ± 1	0 ± 0
CD52 + HLA-DR	76 ± 125	14 ± 27	17 ± 31	134 ± 387	23 ± 34
CD52 + IL-22R	24 ± 51	12 ± 34	2 ± 4	23 ± 70	6 ± 5
CD52 + IL-23R	33 ± 89	1 ± 2	1 ± 2	16 ± 50	2 ± 3
CD52 + Ki67	3 ± 5	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD52 + PI	63 ± 119	9 ± 8	15 ± 31	93 ± 275	16 ± 15
CD52 + Podoplanin	5 ± 8	3 ± 7	2 ± 4	439 ± 1446	1 ± 3
CD52 + SNA1	63 ± 114	7 ± 16	14 ± 26	120 ± 355	17 ± 29
CD52 + STAT3	46 ± 94	5 ± 10	1 ± 2	12 ± 32	3 ± 4
CD52 + TIA1	11 ± 12	2 ± 4	4 ± 7	20 ± 60	3 ± 5
CD52 + Vimentin	69 ± 138	10 ± 23	12 ± 24	71 ± 189	24 ± 30

Tabelle 162: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	8 ± 15	1 ± 4	3 ± 7	10 ± 30	1 ± 4
CD54 + BCL2	185 ± 418	7 ± 16	11 ± 19	27 ± 66	16 ± 28
CD54 + CCR6	41 ± 92	8 ± 19	6 ± 17	26 ± 56	5 ± 17
CD54 + CD11a	558 ± 1248	92 ± 305	139 ± 319	286 ± 553	98 ± 304
CD54 + CD11b	177 ± 364	102 ± 339	105 ± 338	111 ± 336	128 ± 336
CD54 + CD120a	61 ± 106	30 ± 99	38 ± 99	69 ± 117	33 ± 98
CD54 + CD120b	41 ± 56	9 ± 29	9 ± 29	16 ± 31	11 ± 29
CD54 + CD138	1740 ± 3235	278 ± 900	372 ± 920	394 ± 917	308 ± 894
CD54 + CD15	16 ± 33	0 ± 0	0 ± 0	4 ± 11	0 ± 1
CD54 + CD1a	155 ± 282	75 ± 241	78 ± 240	120 ± 251	79 ± 240
CD54 + CD2	459 ± 1088	70 ± 232	132 ± 288	121 ± 263	75 ± 231
CD54 + CD207	127 ± 252	28 ± 89	36 ± 90	63 ± 114	31 ± 89
CD54 + CD24	51 ± 112	34 ± 112	34 ± 112	41 ± 111	34 ± 112
CD54 + CD28	356 ± 979	21 ± 71	23 ± 71	49 ± 87	26 ± 70
CD54 + CD29	1793 ± 3201	283 ± 917	381 ± 936	521 ± 1020	361 ± 909
CD54 + CD3	384 ± 770	81 ± 268	92 ± 266	195 ± 358	95 ± 265
CD54 + CD31	50 ± 79	5 ± 11	7 ± 11	81 ± 239	7 ± 11
CD54 + CD4	427 ± 1077	51 ± 170	59 ± 168	204 ± 457	59 ± 168
CD54 + CD44	2264 ± 4155	392 ± 1271	499 ± 1274	873 ± 1680	464 ± 1259
CD54 + CD45	673 ± 1802	43 ± 143	92 ± 190	213 ± 459	50 ± 142
CD54 + CD45RA	135 ± 269	47 ± 157	49 ± 156	98 ± 212	48 ± 157
CD54 + CD45RO	519 ± 1361	54 ± 178	75 ± 181	110 ± 203	74 ± 178
CD54 + CD52	40 ± 106	4 ± 12	4 ± 12	75 ± 231	4 ± 12
CD54 + CD56	9 ± 17	4 ± 13	5 ± 13	7 ± 16	6 ± 13
CD54 + CD58	578 ± 1102	193 ± 619	204 ± 617	430 ± 842	284 ± 624
CD54 + CD62E	2 ± 6	0 ± 0	2 ± 5	0 ± 0	0 ± 0
CD54 + CD62P	2 ± 5	1 ± 2	1 ± 2	27 ± 87	1 ± 2
CD54 + CD68	251 ± 491	132 ± 418	148 ± 415	169 ± 414	152 ± 416
CD54 + CD7	451 ± 1021	79 ± 263	138 ± 305	150 ± 304	82 ± 263
CD54 + CD8a	86 ± 164	29 ± 95	31 ± 94	52 ± 102	29 ± 95
CD54 + CK14	3014 ± 5876	521 ± 1684	660 ± 1690	1084 ± 2153	698 ± 1679
CD54 + CLA	162 ± 355	32 ± 106	36 ± 105	64 ± 117	41 ± 105
CD54 + c-myc	528 ± 942	81 ± 237	83 ± 237	388 ± 907	103 ± 238
CD54 + Collagen IV	339 ± 541	66 ± 197	77 ± 194	238 ± 404	76 ± 194
CD54 + FXIIIA	8 ± 22	8 ± 23	7 ± 23	11 ± 24	8 ± 23
CD54 + HLA-DR	1995 ± 3431	318 ± 1029	345 ± 1021	590 ± 1154	368 ± 1022
CD54 + IL-22R	127 ± 227	62 ± 201	63 ± 201	68 ± 200	63 ± 201
CD54 + IL-23R	106 ± 200	19 ± 55	18 ± 55	99 ± 241	22 ± 55
CD54 + Ki67	75 ± 156	38 ± 126	40 ± 126	40 ± 126	40 ± 126
CD54 + PI	1023 ± 2322	117 ± 374	135 ± 371	258 ± 468	157 ± 374
CD54 + Podoplanin	825 ± 1488	104 ± 343	104 ± 343	437 ± 1087	111 ± 342
CD54 + SNA1	1351 ± 2547	97 ± 295	128 ± 291	291 ± 501	122 ± 291
CD54 + STAT3	206 ± 448	13 ± 28	9 ± 27	21 ± 32	9 ± 27
CD54 + TIA1	21 ± 33	4 ± 15	6 ± 15	13 ± 29	5 ± 15
CD54 + Vimentin	954 ± 1651	257 ± 841	308 ± 835	535 ± 962	321 ± 832

Tabelle 163: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	1 ± 3	109 ± 362	78 ± 174	0 ± 0	2 ± 5
CD56 + BCL2	8 ± 14	16 ± 47	8 ± 11	2 ± 3	3 ± 4
CD56 + CCR6	1 ± 2	26 ± 78	36 ± 78	2 ± 3	1 ± 2
CD56 + CD11a	11 ± 16	4 ± 11	7 ± 13	7 ± 13	5 ± 12
CD56 + CD11b	9 ± 21	7 ± 21	7 ± 21	7 ± 21	9 ± 22
CD56 + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD56 + CD138	20 ± 22	144 ± 361	135 ± 262	15 ± 18	23 ± 39
CD56 + CD15	0 ± 0	1 ± 3	0 ± 0	1 ± 3	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	15 ± 23	6 ± 19	10 ± 23	11 ± 22	7 ± 19
CD56 + CD207	0 ± 0	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD56 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD28	0 ± 0	0 ± 0	0 ± 2	2 ± 5	0 ± 0
CD56 + CD29	31 ± 30	163 ± 354	144 ± 254	28 ± 52	29 ± 34
CD56 + CD3	1 ± 1	0 ± 1	2 ± 5	4 ± 11	2 ± 5
CD56 + CD31	0 ± 0	3 ± 11	31 ± 103	0 ± 0	0 ± 0
CD56 + CD4	5 ± 10	1 ± 3	3 ± 5	3 ± 5	2 ± 5
CD56 + CD44	20 ± 24	10 ± 20	22 ± 27	21 ± 29	13 ± 20
CD56 + CD45	3 ± 6	1 ± 2	2 ± 4	1 ± 2	2 ± 4
CD56 + CD45RA	11 ± 20	6 ± 20	9 ± 20	10 ± 22	6 ± 20
CD56 + CD45RO	1 ± 3	0 ± 1	2 ± 4	1 ± 2	2 ± 4
CD56 + CD52	0 ± 0	0 ± 0	0 ± 1	2 ± 7	0 ± 0
CD56 + CD54	9 ± 17	4 ± 13	5 ± 13	7 ± 16	6 ± 13
CD56 + CD58	11 ± 16	12 ± 23	14 ± 31	19 ± 32	12 ± 18
CD56 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	4 ± 11	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	7 ± 8	16 ± 30	10 ± 15	5 ± 7	9 ± 13
CD56 + CD7	17 ± 29	8 ± 26	12 ± 28	15 ± 28	9 ± 26
CD56 + CD8a	1 ± 1	0 ± 1	2 ± 3	0 ± 1	0 ± 1
CD56 + CK14	54 ± 52	196 ± 385	174 ± 260	53 ± 66	65 ± 60
CD56 + CLA	7 ± 15	3 ± 10	4 ± 10	4 ± 10	3 ± 10
CD56 + c-myc	43 ± 43	132 ± 361	154 ± 268	67 ± 148	31 ± 36
CD56 + Collagen IV	25 ± 29	31 ± 55	31 ± 32	60 ± 130	26 ± 28
CD56 + FXIIIA	2 ± 4	2 ± 7	23 ± 51	0 ± 0	1 ± 3
CD56 + HLA-DR	19 ± 25	27 ± 47	24 ± 30	17 ± 24	13 ± 21
CD56 + IL-22R	5 ± 10	5 ± 10	5 ± 10	7 ± 13	4 ± 10
CD56 + IL-23R	3 ± 9	0 ± 1	2 ± 5	2 ± 4	0 ± 0
CD56 + Ki67	0 ± 0	1 ± 3	1 ± 1	0 ± 0	1 ± 3
CD56 + PI	17 ± 19	85 ± 179	95 ± 186	16 ± 22	16 ± 21
CD56 + Podoplanin	3 ± 5	132 ± 294	67 ± 148	11 ± 30	2 ± 3
CD56 + SNA1	32 ± 33	25 ± 40	26 ± 40	46 ± 111	21 ± 25
CD56 + STAT3	7 ± 15	131 ± 364	126 ± 279	4 ± 5	4 ± 8
CD56 + TIA1	6 ± 11	9 ± 21	16 ± 37	5 ± 10	3 ± 9
CD56 + Vimentin	25 ± 27	41 ± 80	31 ± 31	29 ± 51	17 ± 19

Tabelle 164: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	4 ± 6	12 ± 34	11 ± 31	3 ± 7	2 ± 5
CD58 + BCL2	2050 ± 3433	1588 ± 2736	767 ± 1369	670 ± 1350	756 ± 1316
CD58 + CCR6	79 ± 97	108 ± 219	84 ± 160	78 ± 123	76 ± 90
CD58 + CD11a	433 ± 671	104 ± 294	128 ± 290	201 ± 326	144 ± 297
CD58 + CD11b	82 ± 178	54 ± 174	55 ± 174	64 ± 172	78 ± 174
CD58 + CD120a	151 ± 131	158 ± 152	113 ± 132	136 ± 120	165 ± 191
CD58 + CD120b	32 ± 59	12 ± 21	9 ± 18	40 ± 102	13 ± 20
CD58 + CD138	18899 ± 25539	6618 ± 6350	6961 ± 7471	6526 ± 6486	8041 ± 8240
CD58 + CD15	16 ± 20	19 ± 26	9 ± 16	16 ± 22	11 ± 15
CD58 + CD1a	925 ± 985	727 ± 635	565 ± 718	443 ± 338	1062 ± 1023
CD58 + CD2	457 ± 714	108 ± 297	142 ± 295	192 ± 332	211 ± 315
CD58 + CD207	541 ± 500	584 ± 679	393 ± 429	417 ± 387	626 ± 481
CD58 + CD24	13 ± 28	11 ± 28	11 ± 28	17 ± 30	19 ± 32
CD58 + CD28	194 ± 302	24 ± 60	25 ± 60	65 ± 120	40 ± 74
CD58 + CD29	5752 ± 8661	2707 ± 3109	1874 ± 2981	2880 ± 3560	3019 ± 3403
CD58 + CD3	425 ± 726	104 ± 297	119 ± 293	366 ± 691	254 ± 431
CD58 + CD31	12 ± 16	6 ± 10	16 ± 37	20 ± 42	5 ± 10
CD58 + CD4	127 ± 175	40 ± 108	44 ± 106	111 ± 211	55 ± 108
CD58 + CD44	10825 ± 15814	4146 ± 5546	4422 ± 5801	5074 ± 5971	6145 ± 7387
CD58 + CD45	371 ± 469	61 ± 114	94 ± 123	342 ± 787	124 ± 139
CD58 + CD45RA	75 ± 148	38 ± 120	39 ± 119	60 ± 127	42 ± 119
CD58 + CD45RO	216 ± 349	37 ± 119	43 ± 117	106 ± 173	142 ± 282
CD58 + CD52	40 ± 47	8 ± 16	6 ± 16	482 ± 1564	15 ± 19
CD58 + CD54	578 ± 1102	193 ± 619	204 ± 617	430 ± 842	284 ± 624
CD58 + CD56	11 ± 16	12 ± 23	14 ± 31	19 ± 32	12 ± 18
CD58 + CD62E	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD58 + CD62P	0 ± 1	1 ± 2	0 ± 1	5 ± 17	0 ± 1
CD58 + CD68	270 ± 433	336 ± 421	267 ± 435	260 ± 436	320 ± 409
CD58 + CD7	336 ± 552	76 ± 239	137 ± 254	284 ± 540	124 ± 245
CD58 + CD8a	242 ± 357	77 ± 246	87 ± 244	134 ± 261	155 ± 272
CD58 + CK14	21023 ± 26059	8116 ± 10330	8785 ± 11027	10029 ± 11560	11460 ± 12462
CD58 + CLA	296 ± 320	179 ± 328	196 ± 323	204 ± 320	328 ± 379
CD58 + c-myc	5009 ± 4912	3475 ± 3310	2326 ± 2699	3053 ± 2763	3038 ± 2305
CD58 + Collagen IV	755 ± 1668	177 ± 534	193 ± 534	686 ± 1251	277 ± 577
CD58 + FXIIIA	3 ± 6	4 ± 6	8 ± 18	4 ± 6	3 ± 7
CD58 + HLA-DR	6895 ± 11084	2039 ± 3207	1787 ± 3246	2151 ± 3175	2987 ± 4103
CD58 + IL-22R	4185 ± 3176	3448 ± 3365	2475 ± 3499	2635 ± 3395	3092 ± 3271
CD58 + IL-23R	1882 ± 2041	2112 ± 3028	776 ± 1400	983 ± 1309	1073 ± 1421
CD58 + Ki67	678 ± 1228	197 ± 402	199 ± 410	159 ± 411	171 ± 406
CD58 + PI	4150 ± 5962	2196 ± 2525	1640 ± 2433	2043 ± 2559	2780 ± 3513
CD58 + Podoplanin	2332 ± 5799	356 ± 1149	372 ± 1145	2156 ± 4452	414 ± 1148
CD58 + SNA1	3020 ± 7038	334 ± 699	272 ± 697	630 ± 1072	598 ± 1026
CD58 + STAT3	7107 ± 8332	4409 ± 4700	2213 ± 4170	2718 ± 4019	2779 ± 4090
CD58 + TIA1	44 ± 81	21 ± 40	27 ± 41	23 ± 47	22 ± 37
CD58 + Vimentin	1523 ± 2046	754 ± 1306	742 ± 1329	977 ± 1396	1149 ± 1402

Tabelle 165: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	0 ± 0	0 ± 0	2 ± 8	0 ± 0	0 ± 0
CD62E + BCL2	12 ± 15	6 ± 12	7 ± 11	5 ± 12	6 ± 12
CD62E + CCR6	1 ± 3	1 ± 1	0 ± 0	1 ± 3	0 ± 0
CD62E + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD11b	1 ± 3	1 ± 3	1 ± 3	34 ± 81	1 ± 2
CD62E + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	14 ± 16	14 ± 25	7 ± 12	6 ± 12	6 ± 12
CD62E + CD15	1 ± 2	1 ± 2	1 ± 2	7 ± 20	2 ± 4
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + CD2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD207	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD62E + CD24	1 ± 2	0 ± 0	0 ± 0	15 ± 35	0 ± 0
CD62E + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD29	15 ± 32	6 ± 13	7 ± 15	5 ± 13	4 ± 13
CD62E + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD31	1 ± 3	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD62E + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD44	2 ± 7	6 ± 21	1 ± 4	0 ± 1	0 ± 1
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + CD45RO	1 ± 2	0 ± 0	0 ± 1	47 ± 105	0 ± 0
CD62E + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD54	2 ± 6	0 ± 0	2 ± 5	0 ± 0	0 ± 0
CD62E + CD56	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + CD62P	5 ± 7	2 ± 6	3 ± 7	31 ± 73	2 ± 6
CD62E + CD68	1 ± 3	0 ± 0	2 ± 5	0 ± 0	0 ± 0
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	22 ± 43	11 ± 21	8 ± 13	22 ± 45	7 ± 13
CD62E + CLA	0 ± 1	0 ± 0	0 ± 0	4 ± 11	0 ± 0
CD62E + c-myc	19 ± 34	10 ± 24	5 ± 8	8 ± 17	3 ± 5
CD62E + Collagen IV	2 ± 7	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD62E + FXIIIA	5 ± 10	0 ± 1	0 ± 1	1 ± 2	2 ± 4
CD62E + HLA-DR	2 ± 3	2 ± 5	2 ± 3	2 ± 3	1 ± 3
CD62E + IL-22R	2 ± 4	6 ± 13	2 ± 4	3 ± 5	3 ± 5
CD62E + IL-23R	8 ± 12	7 ± 16	3 ± 4	34 ± 69	4 ± 5
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	12 ± 26	3 ± 9	4 ± 10	33 ± 71	3 ± 10
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	13 ± 40	1 ± 1	2 ± 7	3 ± 8	0 ± 1
CD62E + STAT3	10 ± 11	10 ± 19	5 ± 7	67 ± 146	5 ± 6
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	6 ± 14	0 ± 0
CD62E + Vimentin	5 ± 14	0 ± 1	3 ± 9	0 ± 0	0 ± 0

Tabelle 166: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	0 ± 1	8 ± 24	1 ± 2	8 ± 24	0 ± 1
CD62P + BCL2	19 ± 37	7 ± 20	7 ± 20	7 ± 20	7 ± 20
CD62P + CCR6	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11a	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD11b	3 ± 7	1 ± 4	1 ± 4	17 ± 41	1 ± 4
CD62P + CD120a	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD62P + CD120b	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	17 ± 30	15 ± 30	6 ± 21	10 ± 23	11 ± 23
CD62P + CD15	4 ± 8	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD62P + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	3 ± 6	0 ± 1	0 ± 1	5 ± 12	2 ± 6
CD62P + CD28	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 3
CD62P + CD29	11 ± 25	16 ± 31	9 ± 25	26 ± 61	10 ± 25
CD62P + CD3	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD31	1 ± 2	1 ± 2	1 ± 3	27 ± 88	1 ± 2
CD62P + CD4	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD44	2 ± 5	1 ± 4	0 ± 0	0 ± 0	3 ± 9
CD62P + CD45	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62P + CD45RO	2 ± 4	0 ± 0	0 ± 0	30 ± 77	0 ± 0
CD62P + CD52	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD54	2 ± 5	1 ± 2	1 ± 2	27 ± 87	1 ± 2
CD62P + CD56	0 ± 0	4 ± 11	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	0 ± 1	1 ± 2	0 ± 1	5 ± 17	0 ± 1
CD62P + CD62E	5 ± 7	2 ± 6	3 ± 7	31 ± 73	2 ± 6
CD62P + CD68	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD7	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD8a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CK14	18 ± 36	18 ± 33	8 ± 25	14 ± 32	13 ± 29
CD62P + CLA	0 ± 1	0 ± 0	0 ± 0	2 ± 7	0 ± 0
CD62P + c-myc	13 ± 36	8 ± 25	1 ± 2	7 ± 20	1 ± 2
CD62P + Collagen IV	1 ± 2	1 ± 2	1 ± 2	13 ± 41	1 ± 2
CD62P + FXIIIA	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + HLA-DR	3 ± 7	3 ± 6	2 ± 5	3 ± 7	2 ± 5
CD62P + IL-22R	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	13 ± 37	2 ± 3	1 ± 2	18 ± 38	1 ± 2
CD62P + Ki67	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	8 ± 18	9 ± 19	6 ± 17	36 ± 87	11 ± 25
CD62P + Podoplanin	0 ± 0	4 ± 13	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	5 ± 10	2 ± 2	1 ± 2	14 ± 45	2 ± 3
CD62P + STAT3	16 ± 36	11 ± 25	3 ± 9	35 ± 84	3 ± 9
CD62P + TIA1	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	2 ± 3	2 ± 5	1 ± 2	27 ± 88	1 ± 2

Tabelle 167: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	2 ± 4	23 ± 71	5 ± 8	1 ± 4	1 ± 4
CD68 + BCL2	593 ± 441	466 ± 412	474 ± 354	410 ± 388	513 ± 385
CD68 + CCR6	55 ± 77	38 ± 48	30 ± 40	63 ± 61	43 ± 56
CD68 + CD11a	141 ± 216	88 ± 196	115 ± 189	120 ± 190	106 ± 191
CD68 + CD11b	105 ± 257	90 ± 261	94 ± 260	98 ± 259	132 ± 271
CD68 + CD120a	93 ± 94	113 ± 92	90 ± 92	108 ± 86	130 ± 107
CD68 + CD120b	16 ± 26	10 ± 24	9 ± 24	12 ± 25	9 ± 23
CD68 + CD138	559 ± 521	666 ± 453	473 ± 473	551 ± 522	615 ± 543
CD68 + CD15	21 ± 39	46 ± 98	15 ± 37	44 ± 86	25 ± 37
CD68 + CD1a	165 ± 197	251 ± 203	151 ± 199	182 ± 189	277 ± 223
CD68 + CD2	175 ± 242	124 ± 235	181 ± 239	154 ± 221	181 ± 214
CD68 + CD207	203 ± 204	303 ± 197	182 ± 200	210 ± 204	284 ± 216
CD68 + CD24	9 ± 26	8 ± 26	8 ± 26	11 ± 26	9 ± 26
CD68 + CD28	52 ± 89	25 ± 49	25 ± 48	38 ± 62	25 ± 49
CD68 + CD29	1141 ± 1229	1284 ± 1142	1107 ± 1199	1108 ± 1279	1185 ± 1251
CD68 + CD3	122 ± 192	90 ± 196	105 ± 191	126 ± 185	114 ± 190
CD68 + CD31	10 ± 13	8 ± 13	11 ± 14	8 ± 13	10 ± 14
CD68 + CD4	83 ± 132	52 ± 121	57 ± 119	87 ± 133	57 ± 119
CD68 + CD44	615 ± 656	602 ± 610	602 ± 600	684 ± 598	744 ± 779
CD68 + CD45	157 ± 275	61 ± 99	86 ± 96	93 ± 119	107 ± 148
CD68 + CD45RA	48 ± 100	38 ± 102	39 ± 101	59 ± 107	41 ± 101
CD68 + CD45RO	138 ± 292	50 ± 150	73 ± 149	77 ± 149	77 ± 154
CD68 + CD52	10 ± 17	8 ± 17	7 ± 18	11 ± 18	10 ± 17
CD68 + CD54	251 ± 491	132 ± 418	148 ± 415	169 ± 414	152 ± 416
CD68 + CD56	7 ± 8	16 ± 30	10 ± 15	5 ± 7	9 ± 13
CD68 + CD58	270 ± 433	336 ± 421	267 ± 435	260 ± 436	320 ± 409
CD68 + CD62E	1 ± 3	0 ± 0	2 ± 5	0 ± 0	0 ± 0
CD68 + CD62P	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD68 + CD7	92 ± 155	56 ± 143	95 ± 151	87 ± 140	75 ± 141
CD68 + CD8a	54 ± 115	49 ± 116	54 ± 115	53 ± 115	68 ± 114
CD68 + CK14	1886 ± 1985	2499 ± 1713	1956 ± 1918	2195 ± 1994	2421 ± 1938
CD68 + CLA	179 ± 202	136 ± 214	147 ± 207	166 ± 194	194 ± 217
CD68 + c-myc	529 ± 477	682 ± 567	508 ± 496	427 ± 511	542 ± 491
CD68 + Collagen IV	285 ± 450	447 ± 417	383 ± 433	317 ± 435	373 ± 439
CD68 + FXIIIA	5 ± 12	6 ± 12	8 ± 13	6 ± 12	23 ± 38
CD68 + HLA-DR	612 ± 633	674 ± 575	484 ± 619	630 ± 688	572 ± 592
CD68 + IL-22R	207 ± 331	265 ± 318	187 ± 338	210 ± 328	297 ± 322
CD68 + IL-23R	87 ± 87	143 ± 162	68 ± 94	129 ± 85	121 ± 127
CD68 + Ki67	69 ± 93	111 ± 100	66 ± 94	112 ± 139	97 ± 102
CD68 + PI	1072 ± 1047	1408 ± 951	1050 ± 1022	1146 ± 1060	1265 ± 1025
CD68 + Podoplanin	57 ± 78	82 ± 142	32 ± 69	33 ± 73	26 ± 69
CD68 + SNA1	479 ± 492	518 ± 380	392 ± 391	353 ± 406	411 ± 403
CD68 + STAT3	131 ± 252	315 ± 347	140 ± 261	137 ± 248	164 ± 253
CD68 + TIA1	19 ± 35	16 ± 36	22 ± 35	17 ± 35	20 ± 34
CD68 + Vimentin	1564 ± 1242	1591 ± 1072	1417 ± 1166	1567 ± 1256	1699 ± 1295

Tabelle 168: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + BCL2	116 ± 207	11 ± 13	68 ± 90	66 ± 87	22 ± 17
CD7 + CCR6	53 ± 96	7 ± 18	16 ± 22	52 ± 74	19 ± 26
CD7 + CD11a	610 ± 1111	95 ± 261	250 ± 327	315 ± 442	122 ± 257
CD7 + CD11b	103 ± 212	28 ± 92	28 ± 92	43 ± 90	29 ± 91
CD7 + CD120a	9 ± 11	5 ± 10	8 ± 11	14 ± 17	10 ± 15
CD7 + CD120b	53 ± 76	13 ± 42	23 ± 43	68 ± 147	20 ± 42
CD7 + CD138	608 ± 1072	70 ± 212	259 ± 331	258 ± 334	110 ± 210
CD7 + CD15	48 ± 144	1 ± 2	1 ± 2	8 ± 13	1 ± 2
CD7 + CD1a	57 ± 95	24 ± 71	34 ± 73	57 ± 94	37 ± 73
CD7 + CD2	612 ± 1121	87 ± 218	280 ± 352	282 ± 436	152 ± 218
CD7 + CD207	37 ± 49	15 ± 33	26 ± 37	58 ± 81	25 ± 37
CD7 + CD24	44 ± 125	2 ± 7	4 ± 8	7 ± 13	2 ± 7
CD7 + CD28	385 ± 918	26 ± 73	53 ± 84	97 ± 192	39 ± 75
CD7 + CD29	541 ± 999	63 ± 198	283 ± 386	373 ± 591	93 ± 196
CD7 + CD3	550 ± 943	114 ± 325	268 ± 376	574 ± 981	193 ± 339
CD7 + CD31	1 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD7 + CD4	348 ± 851	38 ± 105	62 ± 106	166 ± 372	47 ± 104
CD7 + CD44	714 ± 1181	130 ± 375	408 ± 505	738 ± 1069	203 ± 373
CD7 + CD45	520 ± 1120	40 ± 99	193 ± 246	306 ± 638	76 ± 114
CD7 + CD45RA	120 ± 199	54 ± 166	75 ± 169	81 ± 167	59 ± 165
CD7 + CD45RO	412 ± 913	37 ± 117	122 ± 165	181 ± 269	69 ± 125
CD7 + CD52	57 ± 117	5 ± 13	16 ± 32	113 ± 341	13 ± 17
CD7 + CD54	451 ± 1021	79 ± 263	138 ± 305	150 ± 304	82 ± 263
CD7 + CD56	17 ± 29	8 ± 26	12 ± 28	15 ± 28	9 ± 26
CD7 + CD58	336 ± 552	76 ± 239	137 ± 254	284 ± 540	124 ± 245
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD62P	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD68	92 ± 155	56 ± 143	95 ± 151	87 ± 140	75 ± 141
CD7 + CD8a	237 ± 301	51 ± 149	123 ± 176	156 ± 232	102 ± 165
CD7 + CK14	1005 ± 1588	180 ± 511	624 ± 722	882 ± 1155	269 ± 502
CD7 + CLA	190 ± 275	60 ± 157	115 ± 159	173 ± 215	90 ± 159
CD7 + c-myc	240 ± 343	22 ± 54	82 ± 95	215 ± 448	42 ± 56
CD7 + Collagen IV	113 ± 185	15 ± 45	83 ± 116	125 ± 203	23 ± 46
CD7 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	3 ± 7	1 ± 2
CD7 + HLA-DR	632 ± 966	107 ± 314	244 ± 361	359 ± 475	156 ± 314
CD7 + IL-22R	51 ± 79	26 ± 74	32 ± 73	38 ± 72	33 ± 73
CD7 + IL-23R	32 ± 63	4 ± 13	5 ± 13	19 ± 37	7 ± 14
CD7 + Ki67	29 ± 42	10 ± 32	20 ± 33	19 ± 37	12 ± 32
CD7 + PI	605 ± 1104	86 ± 221	291 ± 335	361 ± 416	157 ± 243
CD7 + Podoplanin	93 ± 183	8 ± 26	16 ± 31	251 ± 627	9 ± 26
CD7 + SNA1	516 ± 894	26 ± 74	155 ± 198	185 ± 316	54 ± 89
CD7 + STAT3	161 ± 302	5 ± 11	5 ± 11	35 ± 60	9 ± 12
CD7 + TIA1	60 ± 90	16 ± 45	40 ± 55	44 ± 64	24 ± 45
CD7 + Vimentin	541 ± 863	126 ± 364	301 ± 391	358 ± 468	194 ± 356

Tabelle 169: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + BCL2	61 ± 69	15 ± 26	30 ± 38	19 ± 27	28 ± 35
CD8a + CCR6	28 ± 44	8 ± 23	11 ± 23	19 ± 24	18 ± 32
CD8a + CD11a	312 ± 347	85 ± 205	157 ± 212	170 ± 231	131 ± 199
CD8a + CD11b	24 ± 46	12 ± 39	12 ± 39	14 ± 39	13 ± 39
CD8a + CD120a	9 ± 21	7 ± 21	7 ± 21	9 ± 21	9 ± 21
CD8a + CD120b	9 ± 11	2 ± 7	3 ± 7	9 ± 21	4 ± 7
CD8a + CD138	323 ± 380	74 ± 224	131 ± 235	119 ± 220	137 ± 229
CD8a + CD15	4 ± 6	0 ± 0	0 ± 0	1 ± 2	0 ± 1
CD8a + CD1a	14 ± 31	10 ± 31	13 ± 31	19 ± 36	22 ± 32
CD8a + CD2	396 ± 408	118 ± 275	194 ± 275	214 ± 310	230 ± 283
CD8a + CD207	6 ± 8	4 ± 7	4 ± 7	12 ± 22	8 ± 10
CD8a + CD24	4 ± 9	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD8a + CD28	68 ± 103	8 ± 19	18 ± 33	15 ± 27	13 ± 21
CD8a + CD29	275 ± 287	68 ± 168	114 ± 166	123 ± 180	129 ± 165
CD8a + CD3	258 ± 301	91 ± 232	166 ± 247	229 ± 331	195 ± 283
CD8a + CD31	0 ± 0	0 ± 0	0 ± 0	3 ± 10	0 ± 1
CD8a + CD4	25 ± 49	8 ± 21	14 ± 27	17 ± 33	9 ± 21
CD8a + CD44	400 ± 468	125 ± 353	217 ± 351	274 ± 403	237 ± 372
CD8a + CD45	248 ± 319	31 ± 77	94 ± 120	132 ± 238	68 ± 92
CD8a + CD45RA	57 ± 92	40 ± 94	44 ± 92	49 ± 94	45 ± 92
CD8a + CD45RO	129 ± 203	10 ± 34	40 ± 67	48 ± 74	40 ± 70
CD8a + CD52	39 ± 45	8 ± 19	18 ± 32	51 ± 129	20 ± 27
CD8a + CD54	86 ± 164	29 ± 95	31 ± 94	52 ± 102	29 ± 95
CD8a + CD56	1 ± 1	0 ± 1	2 ± 3	0 ± 1	0 ± 1
CD8a + CD58	242 ± 357	77 ± 246	87 ± 244	134 ± 261	155 ± 272
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD68	54 ± 115	49 ± 116	54 ± 115	53 ± 115	68 ± 114
CD8a + CD7	237 ± 301	51 ± 149	123 ± 176	156 ± 232	102 ± 165
CD8a + CK14	627 ± 660	231 ± 582	356 ± 567	402 ± 589	415 ± 585
CD8a + CLA	195 ± 265	99 ± 237	143 ± 232	132 ± 226	174 ± 243
CD8a + c-myc	164 ± 196	44 ± 108	71 ± 110	119 ± 180	85 ± 111
CD8a + Collagen IV	80 ± 99	32 ± 76	53 ± 79	70 ± 94	56 ± 82
CD8a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	4 ± 13	0 ± 1
CD8a + HLA-DR	322 ± 388	110 ± 325	165 ± 328	169 ± 316	186 ± 344
CD8a + IL-22R	46 ± 80	28 ± 81	29 ± 81	31 ± 80	40 ± 79
CD8a + IL-23R	11 ± 14	3 ± 8	3 ± 8	7 ± 10	8 ± 11
CD8a + Ki67	21 ± 25	8 ± 21	10 ± 21	9 ± 21	11 ± 21
CD8a + PI	389 ± 396	119 ± 299	201 ± 290	198 ± 296	247 ± 337
CD8a + Podoplanin	66 ± 102	18 ± 59	19 ± 58	64 ± 127	19 ± 58
CD8a + SNA1	243 ± 322	43 ± 98	80 ± 106	86 ± 114	89 ± 123
CD8a + STAT3	54 ± 69	4 ± 8	4 ± 8	10 ± 12	13 ± 24
CD8a + TIA1	58 ± 66	24 ± 61	39 ± 58	44 ± 73	36 ± 60
CD8a + Vimentin	314 ± 413	123 ± 367	174 ± 362	179 ± 359	203 ± 361

Tabelle 170: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	5 ± 10	558 ± 1834	105 ± 220	4 ± 10	6 ± 12
CK14 + BCL2	7549 ± 7800	3335 ± 4098	4305 ± 4463	2380 ± 3236	2896 ± 3072
CK14 + CCR6	326 ± 313	319 ± 329	251 ± 223	405 ± 390	584 ± 683
CK14 + CD11a	1112 ± 1625	237 ± 518	491 ± 554	619 ± 720	323 ± 492
CK14 + CD11b	348 ± 521	191 ± 542	211 ± 536	527 ± 920	301 ± 551
CK14 + CD120a	394 ± 287	335 ± 232	281 ± 148	380 ± 133	519 ± 718
CK14 + CD120b	56 ± 69	26 ± 43	32 ± 46	62 ± 110	30 ± 41
CK14 + CD138	68063 ± 53430	20994 ± 17946	36940 ± 26666	32687 ± 19929	32278 ± 26545
CK14 + CD15	77 ± 79	74 ± 101	31 ± 49	181 ± 287	60 ± 55
CK14 + CD1a	1644 ± 1735	1021 ± 587	924 ± 812	1106 ± 555	1820 ± 1667
CK14 + CD2	1369 ± 1849	299 ± 591	663 ± 689	673 ± 730	582 ± 531
CK14 + CD207	1325 ± 658	1227 ± 788	1329 ± 751	1495 ± 734	1483 ± 696
CK14 + CD24	119 ± 289	94 ± 292	100 ± 290	179 ± 307	144 ± 302
CK14 + CD28	604 ± 1436	51 ± 99	87 ± 119	96 ± 122	77 ± 109
CK14 + CD29	23670 ± 17984	10490 ± 8558	12461 ± 9174	13426 ± 10077	13062 ± 8334
CK14 + CD3	1006 ± 1394	251 ± 596	549 ± 736	890 ± 1264	530 ± 725
CK14 + CD31	26 ± 43	13 ± 20	55 ± 152	20 ± 29	10 ± 13
CK14 + CD4	549 ± 1274	100 ± 221	141 ± 212	278 ± 495	126 ± 213
CK14 + CD44	31214 ± 25008	12697 ± 14161	24174 ± 19087	24870 ± 17555	21641 ± 18497
CK14 + CD45	1138 ± 2226	100 ± 177	345 ± 363	570 ± 1105	214 ± 279
CK14 + CD45RA	252 ± 369	120 ± 315	153 ± 309	194 ± 338	139 ± 308
CK14 + CD45RO	693 ± 1452	64 ± 190	217 ± 310	343 ± 469	264 ± 435
CK14 + CD52	122 ± 154	26 ± 39	25 ± 40	550 ± 1740	33 ± 35
CK14 + CD54	3014 ± 5876	521 ± 1684	660 ± 1690	1084 ± 2153	698 ± 1679
CK14 + CD56	54 ± 52	196 ± 385	174 ± 260	53 ± 66	65 ± 60
CK14 + CD58	21023 ± 26059	8116 ± 10330	8785 ± 11027	10029 ± 11560	11460 ± 12462
CK14 + CD62E	22 ± 43	11 ± 21	8 ± 13	22 ± 45	7 ± 13
CK14 + CD62P	18 ± 36	18 ± 33	8 ± 25	14 ± 32	13 ± 29
CK14 + CD68	1886 ± 1985	2499 ± 1713	1956 ± 1918	2195 ± 1994	2421 ± 1938
CK14 + CD7	1005 ± 1588	180 ± 511	624 ± 722	882 ± 1155	269 ± 502
CK14 + CD8a	627 ± 660	231 ± 582	356 ± 567	402 ± 589	415 ± 585
CK14 + CLA	1074 ± 733	458 ± 757	735 ± 734	755 ± 704	915 ± 797
CK14 + c-myc	21853 ± 14312	11870 ± 6523	10391 ± 4955	12777 ± 6202	12701 ± 4918
CK14 + Collagen IV	4198 ± 3857	2650 ± 3064	3753 ± 3045	4963 ± 4151	3525 ± 2973
CK14 + FXIIIA	28 ± 36	16 ± 26	42 ± 52	26 ± 31	72 ± 113
CK14 + HLA-DR	18409 ± 18370	7083 ± 8369	8196 ± 9694	10432 ± 11015	8393 ± 9250
CK14 + IL-22R	13463 ± 7229	8106 ± 8073	7955 ± 8417	7971 ± 8210	9289 ± 7949
CK14 + IL-23R	5438 ± 5303	3855 ± 5489	1394 ± 1742	4141 ± 2903	2685 ± 2130
CK14 + Ki67	5071 ± 3362	2343 ± 3096	3713 ± 4279	2871 ± 3180	2889 ± 3290
CK14 + PI	29100 ± 13033	16195 ± 8462	21142 ± 10612	22131 ± 8655	23982 ± 11834
CK14 + Podoplanin	5537 ± 8440	1399 ± 2857	1286 ± 2799	5348 ± 10462	973 ± 2813
CK14 + SNA1	11686 ± 14183	3239 ± 2334	5047 ± 3448	4864 ± 3247	4253 ± 2438
CK14 + STAT3	21575 ± 18654	9773 ± 6520	6090 ± 5715	14685 ± 16683	8943 ± 6089
CK14 + TIA1	97 ± 107	46 ± 74	86 ± 87	94 ± 141	58 ± 69
CK14 + Vimentin	7483 ± 4887	4002 ± 3972	5286 ± 4148	6331 ± 4097	5563 ± 4063

Tabelle 171: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + BCL2	96 ± 99	49 ± 74	56 ± 69	65 ± 65	67 ± 65
CLA + CCR6	40 ± 53	13 ± 25	16 ± 25	32 ± 30	35 ± 40
CLA + CD11a	258 ± 350	107 ± 220	142 ± 209	202 ± 240	141 ± 210
CLA + CD11b	51 ± 82	24 ± 75	24 ± 74	63 ± 100	27 ± 74
CLA + CD120a	102 ± 98	38 ± 66	66 ± 75	54 ± 66	89 ± 152
CLA + CD120b	16 ± 26	5 ± 13	5 ± 13	13 ± 22	8 ± 13
CLA + CD138	692 ± 493	229 ± 413	379 ± 422	310 ± 398	495 ± 612
CLA + CD15	29 ± 43	10 ± 15	7 ± 13	35 ± 60	9 ± 13
CLA + CD1a	219 ± 227	75 ± 132	119 ± 169	129 ± 191	223 ± 337
CLA + CD2	343 ± 456	133 ± 252	200 ± 240	215 ± 234	235 ± 239
CLA + CD207	273 ± 218	106 ± 185	199 ± 252	168 ± 212	230 ± 295
CLA + CD24	13 ± 34	1 ± 5	2 ± 5	25 ± 51	3 ± 6
CLA + CD28	79 ± 162	17 ± 37	21 ± 36	28 ± 40	23 ± 36
CLA + CD29	352 ± 337	126 ± 225	194 ± 222	218 ± 212	208 ± 206
CLA + CD3	229 ± 272	97 ± 204	141 ± 197	215 ± 234	178 ± 227
CLA + CD31	1 ± 2	0 ± 0	0 ± 0	1 ± 2	0 ± 1
CLA + CD4	86 ± 148	30 ± 63	33 ± 62	69 ± 111	37 ± 61
CLA + CD44	591 ± 585	245 ± 470	398 ± 449	490 ± 466	492 ± 552
CLA + CD45	237 ± 423	49 ± 89	89 ± 85	122 ± 146	81 ± 95
CLA + CD45RA	106 ± 165	50 ± 125	56 ± 123	86 ± 132	65 ± 122
CLA + CD45RO	148 ± 355	13 ± 35	36 ± 46	80 ± 108	36 ± 59
CLA + CD52	21 ± 33	7 ± 14	7 ± 12	26 ± 63	14 ± 21
CLA + CD54	162 ± 355	32 ± 106	36 ± 105	64 ± 117	41 ± 105
CLA + CD56	7 ± 15	3 ± 10	4 ± 10	4 ± 10	3 ± 10
CLA + CD58	296 ± 320	179 ± 328	196 ± 323	204 ± 320	328 ± 379
CLA + CD62E	0 ± 1	0 ± 0	0 ± 0	4 ± 11	0 ± 0
CLA + CD62P	0 ± 1	0 ± 0	0 ± 0	2 ± 7	0 ± 0
CLA + CD68	179 ± 202	136 ± 214	147 ± 207	166 ± 194	194 ± 217
CLA + CD7	190 ± 275	60 ± 157	115 ± 159	173 ± 215	90 ± 159
CLA + CD8a	195 ± 265	99 ± 237	143 ± 232	132 ± 226	174 ± 243
CLA + CK14	1074 ± 733	458 ± 757	735 ± 734	755 ± 704	915 ± 797
CLA + c-myc	231 ± 169	105 ± 147	98 ± 139	160 ± 186	146 ± 148
CLA + Collagen IV	68 ± 76	21 ± 40	31 ± 38	69 ± 84	37 ± 38
CLA + FXIIIA	2 ± 3	1 ± 3	1 ± 3	1 ± 3	6 ± 12
CLA + HLA-DR	757 ± 503	249 ± 440	433 ± 477	455 ± 459	517 ± 544
CLA + IL-22R	196 ± 210	143 ± 231	137 ± 231	137 ± 231	237 ± 374
CLA + IL-23R	58 ± 70	21 ± 60	23 ± 60	39 ± 62	100 ± 232
CLA + Ki67	52 ± 49	21 ± 47	28 ± 46	32 ± 46	36 ± 43
CLA + PI	521 ± 475	194 ± 293	289 ± 266	344 ± 279	420 ± 333
CLA + Podoplanin	56 ± 76	18 ± 58	20 ± 58	48 ± 88	20 ± 58
CLA + SNA1	307 ± 368	45 ± 99	97 ± 127	133 ± 149	142 ± 183
CLA + STAT3	202 ± 274	101 ± 267	84 ± 266	107 ± 262	184 ± 369
CLA + TIA1	40 ± 43	16 ± 37	25 ± 37	41 ± 56	29 ± 38
CLA + Vimentin	742 ± 616	272 ± 511	472 ± 520	446 ± 500	573 ± 582

Tabelle 172: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	6 ± 8	588 ± 1944	108 ± 230	2 ± 4	2 ± 5
c-myc + BCL2	3623 ± 3756	2959 ± 5016	1654 ± 3114	1563 ± 3159	1737 ± 3087
c-myc + CCR6	145 ± 133	375 ± 485	134 ± 189	113 ± 111	317 ± 425
c-myc + CD11a	372 ± 523	44 ± 91	101 ± 132	376 ± 831	69 ± 90
c-myc + CD11b	222 ± 292	87 ± 276	96 ± 273	183 ± 316	140 ± 276
c-myc + CD120a	133 ± 169	135 ± 131	52 ± 55	102 ± 103	77 ± 48
c-myc + CD120b	44 ± 57	17 ± 26	14 ± 23	30 ± 60	18 ± 22
c-myc + CD138	12166 ± 9535	9125 ± 6022	5569 ± 4178	4885 ± 3987	5907 ± 3819
c-myc + CD15	64 ± 66	41 ± 41	21 ± 35	129 ± 182	40 ± 60
c-myc + CD1a	478 ± 816	594 ± 624	229 ± 266	220 ± 268	428 ± 393
c-myc + CD2	226 ± 260	42 ± 69	78 ± 74	134 ± 236	82 ± 63
c-myc + CD207	385 ± 415	824 ± 903	386 ± 410	268 ± 314	355 ± 288
c-myc + CD24	32 ± 43	9 ± 19	11 ± 19	53 ± 95	12 ± 21
c-myc + CD28	110 ± 187	10 ± 17	20 ± 29	38 ± 72	21 ± 27
c-myc + CD29	6746 ± 4484	3481 ± 3151	3338 ± 2980	3935 ± 3592	3683 ± 3044
c-myc + CD3	175 ± 218	31 ± 56	80 ± 112	266 ± 593	113 ± 152
c-myc + CD31	40 ± 67	13 ± 24	58 ± 160	10 ± 15	7 ± 15
c-myc + CD4	215 ± 418	52 ± 136	70 ± 134	242 ± 552	68 ± 134
c-myc + CD44	5008 ± 3312	3923 ± 2463	3106 ± 2337	3699 ± 2502	3816 ± 2403
c-myc + CD45	272 ± 424	23 ± 38	71 ± 104	265 ± 666	37 ± 41
c-myc + CD45RA	103 ± 143	27 ± 83	39 ± 82	119 ± 267	36 ± 80
c-myc + CD45RO	127 ± 225	8 ± 23	40 ± 74	71 ± 140	37 ± 66
c-myc + CD52	54 ± 91	14 ± 35	10 ± 25	205 ± 651	7 ± 7
c-myc + CD54	528 ± 942	81 ± 237	83 ± 237	388 ± 907	103 ± 238
c-myc + CD56	43 ± 43	132 ± 361	154 ± 268	67 ± 148	31 ± 36
c-myc + CD58	5009 ± 4912	3475 ± 3310	2326 ± 2699	3053 ± 2763	3038 ± 2305
c-myc + CD62E	19 ± 34	10 ± 24	5 ± 8	8 ± 17	3 ± 5
c-myc + CD62P	13 ± 36	8 ± 25	1 ± 2	7 ± 20	1 ± 2
c-myc + CD68	529 ± 477	682 ± 567	508 ± 496	427 ± 511	542 ± 491
c-myc + CD7	240 ± 343	22 ± 54	82 ± 95	215 ± 448	42 ± 56
c-myc + CD8a	164 ± 196	44 ± 108	71 ± 110	119 ± 180	85 ± 111
c-myc + CK14	21853 ± 14312	11870 ± 6523	10391 ± 4955	12777 ± 6202	12701 ± 4918
c-myc + CLA	231 ± 169	105 ± 147	98 ± 139	160 ± 186	146 ± 148
c-myc + Collagen IV	5323 ± 5615	2398 ± 4318	3336 ± 4103	5723 ± 6514	3438 ± 4143
c-myc + FXIIIA	35 ± 44	22 ± 40	43 ± 63	32 ± 44	34 ± 49
c-myc + HLA-DR	3863 ± 3705	2016 ± 1534	1389 ± 1190	1866 ± 1524	1613 ± 1228
c-myc + IL-22R	5238 ± 4355	3817 ± 3465	2437 ± 3414	2819 ± 3367	3695 ± 3452
c-myc + IL-23R	3973 ± 3045	2020 ± 2640	1415 ± 1791	2475 ± 1448	2210 ± 1772
c-myc + Ki67	617 ± 865	222 ± 234	113 ± 137	113 ± 146	157 ± 224
c-myc + PI	4251 ± 3170	3596 ± 3336	1971 ± 1313	2094 ± 1785	2094 ± 1300
c-myc + Podoplanin	918 ± 1446	441 ± 933	317 ± 545	1098 ± 2155	178 ± 465
c-myc + SNA1	8328 ± 6944	2180 ± 2464	3528 ± 2605	4762 ± 4666	3321 ± 2509
c-myc + STAT3	10199 ± 9636	6647 ± 5253	4074 ± 3686	4116 ± 2878	4344 ± 3464
c-myc + TIA1	49 ± 80	26 ± 42	39 ± 61	56 ± 131	17 ± 26
c-myc + Vimentin	2007 ± 1387	1066 ± 1292	1016 ± 1177	1540 ± 1716	1237 ± 1177

Tabelle 173: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	8 ± 15	45 ± 142	7 ± 11	9 ± 23	2 ± 5
Collagen IV + BCL2	273 ± 256	117 ± 134	193 ± 166	215 ± 246	173 ± 127
Collagen IV + CCR6	11 ± 14	5 ± 10	7 ± 6	22 ± 34	9 ± 13
Collagen IV + CD11a	200 ± 328	24 ± 64	76 ± 115	149 ± 254	36 ± 63
Collagen IV + CD11b	128 ± 225	71 ± 229	81 ± 226	115 ± 235	93 ± 225
Collagen IV + CD120a	15 ± 23	5 ± 7	5 ± 6	28 ± 47	22 ± 27
Collagen IV + CD120b	31 ± 65	6 ± 18	10 ± 19	16 ± 33	10 ± 19
Collagen IV + CD138	771 ± 1431	230 ± 298	346 ± 385	305 ± 308	193 ± 225
Collagen IV + CD15	30 ± 51	9 ± 17	6 ± 13	63 ± 103	7 ± 13
Collagen IV + CD1a	7 ± 17	6 ± 9	7 ± 17	3 ± 6	5 ± 7
Collagen IV + CD2	92 ± 139	22 ± 39	62 ± 76	54 ± 75	45 ± 48
Collagen IV + CD207	4 ± 6	4 ± 6	6 ± 8	8 ± 9	4 ± 9
Collagen IV + CD24	12 ± 19	5 ± 17	8 ± 17	24 ± 45	6 ± 16
Collagen IV + CD28	67 ± 124	4 ± 8	13 ± 25	17 ± 27	14 ± 22
Collagen IV + CD29	2639 ± 3013	1202 ± 1918	1554 ± 1874	2063 ± 2322	1413 ± 1888
Collagen IV + CD3	99 ± 151	18 ± 43	60 ± 91	139 ± 261	54 ± 89
Collagen IV + CD31	52 ± 73	10 ± 18	13 ± 17	79 ± 170	14 ± 18
Collagen IV + CD4	133 ± 234	35 ± 100	53 ± 98	101 ± 193	46 ± 98
Collagen IV + CD44	1345 ± 1808	445 ± 738	823 ± 780	1019 ± 1103	649 ± 792
Collagen IV + CD45	115 ± 203	8 ± 20	50 ± 94	113 ± 279	14 ± 22
Collagen IV + CD45RA	63 ± 94	21 ± 60	29 ± 60	54 ± 92	25 ± 59
Collagen IV + CD45RO	68 ± 122	6 ± 20	37 ± 73	30 ± 51	19 ± 41
Collagen IV + CD52	12 ± 17	2 ± 4	8 ± 21	121 ± 377	3 ± 3
Collagen IV + CD54	339 ± 541	66 ± 197	77 ± 194	238 ± 404	76 ± 194
Collagen IV + CD56	25 ± 29	31 ± 55	31 ± 32	60 ± 130	26 ± 28
Collagen IV + CD58	755 ± 1668	177 ± 534	193 ± 534	686 ± 1251	277 ± 577
Collagen IV + CD62E	2 ± 7	0 ± 0	0 ± 1	0 ± 1	0 ± 0
Collagen IV + CD62P	1 ± 2	1 ± 2	1 ± 2	13 ± 41	1 ± 2
Collagen IV + CD68	285 ± 450	447 ± 417	383 ± 433	317 ± 435	373 ± 439
Collagen IV + CD7	113 ± 185	15 ± 45	83 ± 116	125 ± 203	23 ± 46
Collagen IV + CD8a	80 ± 99	32 ± 76	53 ± 79	70 ± 94	56 ± 82
Collagen IV + CK14	4198 ± 3857	2650 ± 3064	3753 ± 3045	4963 ± 4151	3525 ± 2973
Collagen IV + CLA	68 ± 76	21 ± 40	31 ± 38	69 ± 84	37 ± 38
Collagen IV + c-myc	5323 ± 5615	2398 ± 4318	3336 ± 4103	5723 ± 6514	3438 ± 4143
Collagen IV + FXIIIA	14 ± 35	13 ± 36	17 ± 35	18 ± 35	27 ± 49
Collagen IV + HLA-DR	1369 ± 1921	422 ± 936	553 ± 924	755 ± 981	468 ± 931
Collagen IV + IL-22R	40 ± 69	30 ± 56	28 ± 57	37 ± 57	37 ± 59
Collagen IV + IL-23R	26 ± 54	18 ± 44	4 ± 8	82 ± 215	5 ± 8
Collagen IV + Ki67	71 ± 104	26 ± 42	31 ± 48	38 ± 48	26 ± 40
Collagen IV + PI	600 ± 651	338 ± 336	456 ± 370	717 ± 818	429 ± 365
Collagen IV + Podoplanin	418 ± 835	108 ± 241	99 ± 243	633 ± 1256	91 ± 245
Collagen IV + SNA1	4751 ± 5367	1971 ± 2034	3315 ± 2571	4031 ± 3672	2413 ± 1904
Collagen IV + STAT3	28 ± 66	140 ± 303	43 ± 101	34 ± 111	0 ± 1
Collagen IV + TIA1	29 ± 66	6 ± 15	15 ± 22	34 ± 74	8 ± 15
Collagen IV + Vimentin	861 ± 939	556 ± 783	648 ± 751	959 ± 1004	644 ± 796

Tabelle 174: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	1 ± 2	3 ± 7	24 ± 52	1 ± 2	1 ± 3
FXIIIA + BCL2	14 ± 22	6 ± 9	7 ± 8	7 ± 11	13 ± 21
FXIIIA + CCR6	4 ± 7	5 ± 8	15 ± 33	3 ± 8	1 ± 1
FXIIIA + CD11a	4 ± 11	3 ± 11	3 ± 11	8 ± 18	3 ± 11
FXIIIA + CD11b	8 ± 20	6 ± 20	7 ± 20	8 ± 20	9 ± 20
FXIIIA + CD120a	0 ± 1	1 ± 1	0 ± 1	1 ± 2	1 ± 1
FXIIIA + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD138	15 ± 29	9 ± 10	30 ± 54	9 ± 14	23 ± 59
FXIIIA + CD15	0 ± 1	1 ± 2	1 ± 2	2 ± 4	5 ± 16
FXIIIA + CD1a	0 ± 0	1 ± 2	0 ± 0	0 ± 0	1 ± 1
FXIIIA + CD2	1 ± 2	1 ± 2	1 ± 2	4 ± 12	4 ± 10
FXIIIA + CD207	0 ± 0	0 ± 2	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
FXIIIA + CD28	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
FXIIIA + CD29	18 ± 34	15 ± 35	39 ± 60	15 ± 35	18 ± 35
FXIIIA + CD3	2 ± 4	1 ± 3	1 ± 3	6 ± 11	1 ± 3
FXIIIA + CD31	1 ± 3	2 ± 3	15 ± 47	1 ± 3	1 ± 3
FXIIIA + CD4	4 ± 11	3 ± 11	4 ± 11	6 ± 12	4 ± 11
FXIIIA + CD44	8 ± 11	5 ± 11	10 ± 13	15 ± 28	22 ± 52
FXIIIA + CD45	2 ± 5	2 ± 5	2 ± 5	5 ± 12	2 ± 5
FXIIIA + CD45RA	3 ± 9	3 ± 9	4 ± 9	4 ± 9	3 ± 9
FXIIIA + CD45RO	2 ± 6	2 ± 6	3 ± 6	3 ± 7	3 ± 6
FXIIIA + CD52	0 ± 1	1 ± 3	0 ± 0	0 ± 1	0 ± 0
FXIIIA + CD54	8 ± 22	8 ± 23	7 ± 23	11 ± 24	8 ± 23
FXIIIA + CD56	2 ± 4	2 ± 7	23 ± 51	0 ± 0	1 ± 3
FXIIIA + CD58	3 ± 6	4 ± 6	8 ± 18	4 ± 6	3 ± 7
FXIIIA + CD62E	5 ± 10	0 ± 1	0 ± 1	1 ± 2	2 ± 4
FXIIIA + CD62P	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD68	5 ± 12	6 ± 12	8 ± 13	6 ± 12	23 ± 38
FXIIIA + CD7	1 ± 2	1 ± 2	1 ± 2	3 ± 7	1 ± 2
FXIIIA + CD8a	0 ± 1	0 ± 1	0 ± 1	4 ± 13	0 ± 1
FXIIIA + CK14	28 ± 36	16 ± 26	42 ± 52	26 ± 31	72 ± 113
FXIIIA + CLA	2 ± 3	1 ± 3	1 ± 3	1 ± 3	6 ± 12
FXIIIA + c-myc	35 ± 44	22 ± 40	43 ± 63	32 ± 44	34 ± 49
FXIIIA + Collagen IV	14 ± 35	13 ± 36	17 ± 35	18 ± 35	27 ± 49
FXIIIA + HLA-DR	14 ± 21	8 ± 21	11 ± 21	13 ± 22	10 ± 21
FXIIIA + IL-22R	7 ± 17	4 ± 7	2 ± 4	5 ± 11	8 ± 16
FXIIIA + IL-23R	14 ± 26	3 ± 8	4 ± 7	9 ± 15	11 ± 18
FXIIIA + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	5 ± 16
FXIIIA + PI	8 ± 5	4 ± 5	24 ± 37	9 ± 13	32 ± 54
FXIIIA + Podoplanin	6 ± 13	6 ± 14	26 ± 51	7 ± 13	4 ± 13
FXIIIA + SNA1	20 ± 42	15 ± 43	19 ± 42	21 ± 43	40 ± 60
FXIIIA + STAT3	14 ± 30	7 ± 9	26 ± 56	7 ± 14	13 ± 25
FXIIIA + TIA1	0 ± 1	1 ± 4	8 ± 23	1 ± 4	0 ± 0
FXIIIA + Vimentin	15 ± 25	10 ± 24	17 ± 24	18 ± 32	28 ± 56

Tabelle 175: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	7 ± 14	34 ± 106	11 ± 18	2 ± 4	1 ± 4
HLA-DR + BCL2	1233 ± 1939	324 ± 424	460 ± 670	362 ± 458	344 ± 434
HLA-DR + CCR6	138 ± 167	91 ± 135	49 ± 45	158 ± 226	89 ± 77
HLA-DR + CD11a	992 ± 1423	189 ± 456	321 ± 465	500 ± 659	235 ± 450
HLA-DR + CD11b	344 ± 536	178 ± 540	195 ± 535	220 ± 534	224 ± 531
HLA-DR + CD120a	306 ± 155	238 ± 194	204 ± 130	300 ± 109	282 ± 196
HLA-DR + CD120b	79 ± 119	12 ± 31	18 ± 33	31 ± 46	17 ± 33
HLA-DR + CD138	13992 ± 16451	4186 ± 4410	4995 ± 5944	5966 ± 7156	4700 ± 5512
HLA-DR + CD15	54 ± 63	20 ± 23	11 ± 20	71 ± 133	18 ± 19
HLA-DR + CD1a	1202 ± 1329	619 ± 422	494 ± 384	681 ± 394	1065 ± 993
HLA-DR + CD2	797 ± 1154	178 ± 417	278 ± 416	317 ± 426	294 ± 416
HLA-DR + CD207	1101 ± 607	785 ± 507	882 ± 612	971 ± 452	1052 ± 434
HLA-DR + CD24	70 ± 128	41 ± 125	45 ± 124	70 ± 131	62 ± 131
HLA-DR + CD28	452 ± 970	38 ± 83	54 ± 82	76 ± 93	57 ± 92
HLA-DR + CD29	6714 ± 8146	2393 ± 2508	2235 ± 2638	2498 ± 2640	2397 ± 2531
HLA-DR + CD3	713 ± 1009	159 ± 397	294 ± 450	409 ± 511	306 ± 487
HLA-DR + CD31	39 ± 58	5 ± 8	8 ± 9	9 ± 15	4 ± 8
HLA-DR + CD4	432 ± 849	75 ± 172	100 ± 166	232 ± 430	97 ± 168
HLA-DR + CD44	11663 ± 13712	4365 ± 5932	5161 ± 6333	7066 ± 7287	5635 ± 6806
HLA-DR + CD45	1017 ± 1949	101 ± 193	229 ± 246	346 ± 516	185 ± 214
HLA-DR + CD45RA	212 ± 305	71 ± 209	83 ± 207	118 ± 229	79 ± 207
HLA-DR + CD45RO	689 ± 1401	67 ± 211	159 ± 262	232 ± 324	198 ± 371
HLA-DR + CD52	76 ± 125	14 ± 27	17 ± 31	134 ± 387	23 ± 34
HLA-DR + CD54	1995 ± 3431	318 ± 1029	345 ± 1021	590 ± 1154	368 ± 1022
HLA-DR + CD56	19 ± 25	27 ± 47	24 ± 30	17 ± 24	13 ± 21
HLA-DR + CD58	6895 ± 11084	2039 ± 3207	1787 ± 3246	2151 ± 3175	2987 ± 4103
HLA-DR + CD62E	2 ± 3	2 ± 5	2 ± 3	2 ± 3	1 ± 3
HLA-DR + CD62P	3 ± 7	3 ± 6	2 ± 5	3 ± 7	2 ± 5
HLA-DR + CD68	612 ± 633	674 ± 575	484 ± 619	630 ± 688	572 ± 592
HLA-DR + CD7	632 ± 966	107 ± 314	244 ± 361	359 ± 475	156 ± 314
HLA-DR + CD8a	322 ± 388	110 ± 325	165 ± 328	169 ± 316	186 ± 344
HLA-DR + CK14	18409 ± 18370	7083 ± 8369	8196 ± 9694	10432 ± 11015	8393 ± 9250
HLA-DR + CLA	757 ± 503	249 ± 440	433 ± 477	455 ± 459	517 ± 544
HLA-DR + c-myc	3863 ± 3705	2016 ± 1534	1389 ± 1190	1866 ± 1524	1613 ± 1228
HLA-DR + Collagen IV	1369 ± 1921	422 ± 936	553 ± 924	755 ± 981	468 ± 931
HLA-DR + FXIIIA	14 ± 21	8 ± 21	11 ± 21	13 ± 22	10 ± 21
HLA-DR + IL-22R	2682 ± 1705	1861 ± 1718	1422 ± 1854	1863 ± 2002	1810 ± 1759
HLA-DR + IL-23R	897 ± 1217	835 ± 1421	155 ± 217	793 ± 1547	328 ± 341
HLA-DR + Ki67	621 ± 701	323 ± 594	369 ± 650	415 ± 653	312 ± 597
HLA-DR + PI	4327 ± 3955	2113 ± 1993	2030 ± 2128	3506 ± 4965	2688 ± 2888
HLA-DR + Podoplanin	2490 ± 4891	477 ± 1260	448 ± 1262	920 ± 1728	431 ± 1266
HLA-DR + SNA1	5248 ± 9212	795 ± 1159	1014 ± 1309	1068 ± 1204	961 ± 1383
HLA-DR + STAT3	3347 ± 3988	1513 ± 1440	598 ± 615	1448 ± 2096	845 ± 651
HLA-DR + TIA1	81 ± 143	14 ± 42	23 ± 41	42 ± 83	23 ± 43
HLA-DR + Vimentin	3612 ± 3151	1696 ± 2189	1966 ± 2310	2446 ± 2477	2099 ± 2215

Tabelle 176: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	1 ± 1	2 ± 5	1 ± 1	1 ± 1	1 ± 1
IL-22R + BCL2	1221 ± 2278	1765 ± 3089	1021 ± 2346	989 ± 2360	1080 ± 2330
IL-22R + CCR6	74 ± 109	202 ± 323	27 ± 21	79 ± 118	209 ± 370
IL-22R + CD11a	80 ± 95	43 ± 94	47 ± 93	49 ± 92	53 ± 91
IL-22R + CD11b	27 ± 78	26 ± 78	26 ± 78	26 ± 78	26 ± 78
IL-22R + CD120a	159 ± 105	177 ± 160	100 ± 109	135 ± 115	260 ± 395
IL-22R + CD120b	5 ± 6	12 ± 23	5 ± 6	5 ± 6	4 ± 6
IL-22R + CD138	10738 ± 5232	6537 ± 5140	5942 ± 5666	6065 ± 5518	6887 ± 5511
IL-22R + CD15	20 ± 35	31 ± 43	16 ± 35	19 ± 34	35 ± 58
IL-22R + CD1a	497 ± 435	520 ± 375	220 ± 264	345 ± 310	563 ± 697
IL-22R + CD2	97 ± 97	45 ± 90	51 ± 88	53 ± 87	75 ± 88
IL-22R + CD207	469 ± 360	623 ± 558	342 ± 403	410 ± 405	509 ± 412
IL-22R + CD24	15 ± 36	12 ± 36	12 ± 36	13 ± 35	12 ± 36
IL-22R + CD28	39 ± 63	13 ± 22	11 ± 21	12 ± 21	10 ± 21
IL-22R + CD29	1958 ± 2443	2238 ± 2530	1603 ± 2622	1680 ± 2576	1992 ± 2478
IL-22R + CD3	63 ± 78	32 ± 69	41 ± 69	45 ± 68	44 ± 66
IL-22R + CD31	0 ± 1	0 ± 1	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	27 ± 37	14 ± 30	14 ± 30	18 ± 29	17 ± 29
IL-22R + CD44	4151 ± 3097	3658 ± 3311	3485 ± 3598	3642 ± 3451	4133 ± 3329
IL-22R + CD45	106 ± 119	35 ± 58	37 ± 56	48 ± 62	72 ± 94
IL-22R + CD45RA	15 ± 39	12 ± 39	13 ± 39	13 ± 39	12 ± 39
IL-22R + CD45RO	41 ± 62	10 ± 24	14 ± 25	13 ± 23	15 ± 25
IL-22R + CD52	24 ± 51	12 ± 34	2 ± 4	23 ± 70	6 ± 5
IL-22R + CD54	127 ± 227	62 ± 201	63 ± 201	68 ± 200	63 ± 201
IL-22R + CD56	5 ± 10	5 ± 10	5 ± 10	7 ± 13	4 ± 10
IL-22R + CD58	4185 ± 3176	3448 ± 3365	2475 ± 3499	2635 ± 3395	3092 ± 3271
IL-22R + CD62E	2 ± 4	6 ± 13	2 ± 4	3 ± 5	3 ± 5
IL-22R + CD62P	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	207 ± 331	265 ± 318	187 ± 338	210 ± 328	297 ± 322
IL-22R + CD7	51 ± 79	26 ± 74	32 ± 73	38 ± 72	33 ± 73
IL-22R + CD8a	46 ± 80	28 ± 81	29 ± 81	31 ± 80	40 ± 79
IL-22R + CK14	13463 ± 7229	8106 ± 8073	7955 ± 8417	7971 ± 8210	9289 ± 7949
IL-22R + CLA	196 ± 210	143 ± 231	137 ± 231	137 ± 231	237 ± 374
IL-22R + c-myc	5238 ± 4355	3817 ± 3465	2437 ± 3414	2819 ± 3367	3695 ± 3452
IL-22R + Collagen IV	40 ± 69	30 ± 56	28 ± 57	37 ± 57	37 ± 59
IL-22R + FXIIIA	7 ± 17	4 ± 7	2 ± 4	5 ± 11	8 ± 16
IL-22R + HLA-DR	2682 ± 1705	1861 ± 1718	1422 ± 1854	1863 ± 2002	1810 ± 1759
IL-22R + IL-23R	1601 ± 1121	1395 ± 1687	765 ± 1165	1288 ± 1223	1300 ± 1496
IL-22R + Ki67	272 ± 253	261 ± 273	226 ± 280	209 ± 282	265 ± 269
IL-22R + PI	1637 ± 1474	1919 ± 1747	1308 ± 1693	1501 ± 1612	1910 ± 1502
IL-22R + Podoplanin	253 ± 478	125 ± 393	133 ± 391	211 ± 426	125 ± 393
IL-22R + SNA1	272 ± 413	170 ± 217	104 ± 150	112 ± 141	132 ± 138
IL-22R + STAT3	6016 ± 3782	3873 ± 3222	2282 ± 3220	2896 ± 3016	3330 ± 3323
IL-22R + TIA1	7 ± 7	9 ± 18	4 ± 7	5 ± 7	11 ± 16
IL-22R + Vimentin	616 ± 455	498 ± 449	411 ± 493	510 ± 472	678 ± 609

Tabelle 177: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-23R + BCL2	1180 ± 1068	748 ± 939	459 ± 716	543 ± 690	502 ± 685
IL-23R + CCR6	68 ± 81	40 ± 71	36 ± 71	108 ± 157	201 ± 265
IL-23R + CD11a	38 ± 67	5 ± 9	5 ± 9	25 ± 45	7 ± 9
IL-23R + CD11b	46 ± 111	7 ± 21	7 ± 21	165 ± 355	10 ± 21
IL-23R + CD120a	148 ± 211	118 ± 221	53 ± 59	103 ± 70	100 ± 132
IL-23R + CD120b	4 ± 9	1 ± 2	2 ± 3	5 ± 11	1 ± 2
IL-23R + CD138	4356 ± 3708	3805 ± 4917	1507 ± 2073	2970 ± 2474	2540 ± 2320
IL-23R + CD15	23 ± 31	8 ± 14	8 ± 14	74 ± 183	26 ± 56
IL-23R + CD1a	277 ± 274	406 ± 653	111 ± 196	177 ± 183	272 ± 371
IL-23R + CD2	43 ± 72	12 ± 27	13 ± 27	34 ± 36	26 ± 32
IL-23R + CD207	211 ± 203	197 ± 233	113 ± 188	184 ± 179	201 ± 238
IL-23R + CD24	18 ± 44	2 ± 5	2 ± 5	92 ± 203	3 ± 5
IL-23R + CD28	18 ± 36	1 ± 2	2 ± 3	6 ± 15	2 ± 2
IL-23R + CD29	783 ± 1113	1658 ± 2754	416 ± 880	673 ± 876	503 ± 862
IL-23R + CD3	26 ± 53	7 ± 13	5 ± 11	30 ± 40	10 ± 12
IL-23R + CD31	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-23R + CD4	16 ± 34	3 ± 7	3 ± 7	26 ± 58	4 ± 7
IL-23R + CD44	1070 ± 1141	2078 ± 3410	434 ± 737	994 ± 1049	734 ± 766
IL-23R + CD45	65 ± 106	12 ± 14	11 ± 13	47 ± 88	38 ± 58
IL-23R + CD45RA	3 ± 6	1 ± 2	1 ± 2	2 ± 4	1 ± 2
IL-23R + CD45RO	63 ± 126	5 ± 16	10 ± 17	139 ± 305	24 ± 39
IL-23R + CD52	33 ± 89	1 ± 2	1 ± 2	16 ± 50	2 ± 3
IL-23R + CD54	106 ± 200	19 ± 55	18 ± 55	99 ± 241	22 ± 55
IL-23R + CD56	3 ± 9	0 ± 1	2 ± 5	2 ± 4	0 ± 0
IL-23R + CD58	1882 ± 2041	2112 ± 3028	776 ± 1400	983 ± 1309	1073 ± 1421
IL-23R + CD62E	8 ± 12	7 ± 16	3 ± 4	34 ± 69	4 ± 5
IL-23R + CD62P	13 ± 37	2 ± 3	1 ± 2	18 ± 38	1 ± 2
IL-23R + CD68	87 ± 87	143 ± 162	68 ± 94	129 ± 85	121 ± 127
IL-23R + CD7	32 ± 63	4 ± 13	5 ± 13	19 ± 37	7 ± 14
IL-23R + CD8a	11 ± 14	3 ± 8	3 ± 8	7 ± 10	8 ± 11
IL-23R + CK14	5438 ± 5303	3855 ± 5489	1394 ± 1742	4141 ± 2903	2685 ± 2130
IL-23R + CLA	58 ± 70	21 ± 60	23 ± 60	39 ± 62	100 ± 232
IL-23R + c-myc	3973 ± 3045	2020 ± 2640	1415 ± 1791	2475 ± 1448	2210 ± 1772
IL-23R + Collagen IV	26 ± 54	18 ± 44	4 ± 8	82 ± 215	5 ± 8
IL-23R + FXIIIA	14 ± 26	3 ± 8	4 ± 7	9 ± 15	11 ± 18
IL-23R + HLA-DR	897 ± 1217	835 ± 1421	155 ± 217	793 ± 1547	328 ± 341
IL-23R + IL-22R	1601 ± 1121	1395 ± 1687	765 ± 1165	1288 ± 1223	1300 ± 1496
IL-23R + Ki67	165 ± 180	126 ± 191	33 ± 41	52 ± 40	48 ± 43
IL-23R + PI	1143 ± 1303	1432 ± 2489	291 ± 440	723 ± 651	556 ± 503
IL-23R + Podoplanin	36 ± 107	2 ± 6	2 ± 6	78 ± 221	2 ± 6
IL-23R + SNA1	350 ± 661	187 ± 362	24 ± 34	94 ± 140	55 ± 59
IL-23R + STAT3	4961 ± 4504	3514 ± 4788	1350 ± 1787	3685 ± 2691	2609 ± 2064
IL-23R + TIA1	8 ± 23	0 ± 0	0 ± 1	44 ± 130	2 ± 6
IL-23R + Vimentin	296 ± 301	323 ± 473	108 ± 169	343 ± 313	264 ± 333

Tabelle 178: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 1	2 ± 6	0 ± 1	0 ± 1	0 ± 0
Ki67 + BCL2	1460 ± 2020	258 ± 319	1070 ± 1956	202 ± 265	170 ± 213
Ki67 + CCR6	8 ± 12	4 ± 4	4 ± 5	7 ± 11	17 ± 42
Ki67 + CD11a	23 ± 35	9 ± 24	13 ± 24	11 ± 25	10 ± 24
Ki67 + CD11b	5 ± 14	4 ± 14	4 ± 14	5 ± 14	5 ± 14
Ki67 + CD120a	20 ± 19	18 ± 18	15 ± 18	18 ± 19	19 ± 20
Ki67 + CD120b	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + CD138	2520 ± 2396	778 ± 871	1372 ± 1578	693 ± 857	929 ± 1213
Ki67 + CD15	1 ± 3	4 ± 13	0 ± 0	1 ± 3	0 ± 1
Ki67 + CD1a	34 ± 44	29 ± 46	25 ± 46	22 ± 42	33 ± 50
Ki67 + CD2	29 ± 36	11 ± 26	19 ± 27	14 ± 26	16 ± 25
Ki67 + CD207	55 ± 36	61 ± 54	46 ± 32	39 ± 36	56 ± 62
Ki67 + CD24	10 ± 31	9 ± 31	9 ± 31	13 ± 32	15 ± 35
Ki67 + CD28	8 ± 16	2 ± 5	2 ± 5	2 ± 5	2 ± 5
Ki67 + CD29	1015 ± 1072	417 ± 573	445 ± 571	343 ± 506	423 ± 491
Ki67 + CD3	27 ± 42	14 ± 39	22 ± 40	16 ± 38	16 ± 39
Ki67 + CD31	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	6 ± 12	3 ± 10	4 ± 10	3 ± 10	3 ± 10
Ki67 + CD44	1210 ± 1069	498 ± 666	943 ± 1108	634 ± 690	759 ± 1153
Ki67 + CD45	20 ± 37	4 ± 10	8 ± 10	4 ± 10	11 ± 24
Ki67 + CD45RA	10 ± 21	6 ± 18	6 ± 18	6 ± 18	6 ± 18
Ki67 + CD45RO	17 ± 40	4 ± 14	6 ± 13	6 ± 14	7 ± 14
Ki67 + CD52	3 ± 5	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Ki67 + CD54	75 ± 156	38 ± 126	40 ± 126	40 ± 126	40 ± 126
Ki67 + CD56	0 ± 0	1 ± 3	1 ± 1	0 ± 0	1 ± 3
Ki67 + CD58	678 ± 1228	197 ± 402	199 ± 410	159 ± 411	171 ± 406
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	69 ± 93	111 ± 100	66 ± 94	112 ± 139	97 ± 102
Ki67 + CD7	29 ± 42	10 ± 32	20 ± 33	19 ± 37	12 ± 32
Ki67 + CD8a	21 ± 25	8 ± 21	10 ± 21	9 ± 21	11 ± 21
Ki67 + CK14	5071 ± 3362	2343 ± 3096	3713 ± 4279	2871 ± 3180	2889 ± 3290
Ki67 + CLA	52 ± 49	21 ± 47	28 ± 46	32 ± 46	36 ± 43
Ki67 + c-myc	617 ± 865	222 ± 234	113 ± 137	113 ± 146	157 ± 224
Ki67 + Collagen IV	71 ± 104	26 ± 42	31 ± 48	38 ± 48	26 ± 40
Ki67 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	5 ± 16
Ki67 + HLA-DR	621 ± 701	323 ± 594	369 ± 650	415 ± 653	312 ± 597
Ki67 + IL-22R	272 ± 253	261 ± 273	226 ± 280	209 ± 282	265 ± 269
Ki67 + IL-23R	165 ± 180	126 ± 191	33 ± 41	52 ± 40	48 ± 43
Ki67 + PI	5216 ± 3631	2421 ± 3398	3787 ± 4467	2917 ± 3468	2851 ± 3583
Ki67 + Podoplanin	177 ± 328	29 ± 71	29 ± 72	28 ± 71	23 ± 71
Ki67 + SNA1	369 ± 643	63 ± 128	61 ± 85	42 ± 60	60 ± 75
Ki67 + STAT3	476 ± 590	293 ± 507	86 ± 142	83 ± 141	97 ± 143
Ki67 + TIA1	1 ± 2	0 ± 1	1 ± 1	0 ± 1	1 ± 1
Ki67 + Vimentin	321 ± 294	208 ± 302	218 ± 314	261 ± 315	225 ± 327

Tabelle 179: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	5 ± 8	270 ± 889	68 ± 143	2 ± 4	3 ± 5
PI + BCL2	6780 ± 8003	2277 ± 2885	3499 ± 3964	1423 ± 1479	1860 ± 1401
PI + CCR6	103 ± 149	122 ± 162	82 ± 91	116 ± 126	158 ± 152
PI + CD11a	764 ± 1352	118 ± 241	272 ± 300	348 ± 446	181 ± 227
PI + CD11b	134 ± 174	53 ± 138	60 ± 136	111 ± 163	87 ± 148
PI + CD120a	130 ± 65	153 ± 119	110 ± 55	136 ± 68	209 ± 256
PI + CD120b	47 ± 60	13 ± 24	16 ± 24	19 ± 31	13 ± 19
PI + CD138	14895 ± 11243	6297 ± 3065	8163 ± 5281	6692 ± 4610	8594 ± 7589
PI + CD15	33 ± 55	33 ± 69	7 ± 14	42 ± 60	14 ± 15
PI + CD1a	268 ± 216	297 ± 250	156 ± 136	214 ± 114	455 ± 475
PI + CD2	920 ± 1494	159 ± 291	383 ± 382	323 ± 309	360 ± 295
PI + CD207	410 ± 212	504 ± 477	349 ± 122	414 ± 219	524 ± 236
PI + CD24	45 ± 77	12 ± 33	14 ± 33	31 ± 41	44 ± 99
PI + CD28	408 ± 1033	25 ± 45	48 ± 73	43 ± 50	38 ± 61
PI + CD29	7749 ± 6563	3649 ± 3433	4079 ± 3771	3960 ± 3398	4599 ± 3602
PI + CD3	704 ± 1100	141 ± 320	328 ± 454	380 ± 434	339 ± 491
PI + CD31	30 ± 46	8 ± 11	36 ± 95	26 ± 60	5 ± 8
PI + CD4	377 ± 945	44 ± 99	68 ± 102	136 ± 268	58 ± 95
PI + CD44	7213 ± 5208	3346 ± 2522	5793 ± 4132	5737 ± 3073	5934 ± 5168
PI + CD45	740 ± 1634	47 ± 73	185 ± 241	215 ± 355	103 ± 111
PI + CD45RA	164 ± 250	54 ± 135	81 ± 140	120 ± 208	69 ± 131
PI + CD45RO	571 ± 1377	38 ± 106	141 ± 189	175 ± 214	159 ± 264
PI + CD52	63 ± 119	9 ± 8	15 ± 31	93 ± 275	16 ± 15
PI + CD54	1023 ± 2322	117 ± 374	135 ± 371	258 ± 468	157 ± 374
PI + CD56	17 ± 19	85 ± 179	95 ± 186	16 ± 22	16 ± 21
PI + CD58	4150 ± 5962	2196 ± 2525	1640 ± 2433	2043 ± 2559	2780 ± 3513
PI + CD62E	12 ± 26	3 ± 9	4 ± 10	33 ± 71	3 ± 10
PI + CD62P	8 ± 18	9 ± 19	6 ± 17	36 ± 87	11 ± 25
PI + CD68	1072 ± 1047	1408 ± 951	1050 ± 1022	1146 ± 1060	1265 ± 1025
PI + CD7	605 ± 1104	86 ± 221	291 ± 335	361 ± 416	157 ± 243
PI + CD8a	389 ± 396	119 ± 299	201 ± 290	198 ± 296	247 ± 337
PI + CK14	29100 ± 13033	16195 ± 8462	21142 ± 10612	22131 ± 8655	23982 ± 11834
PI + CLA	521 ± 475	194 ± 293	289 ± 266	344 ± 279	420 ± 333
PI + c-myc	4251 ± 3170	3596 ± 3336	1971 ± 1313	2094 ± 1785	2094 ± 1300
PI + Collagen IV	600 ± 651	338 ± 336	456 ± 370	717 ± 818	429 ± 365
PI + FXIIIA	8 ± 5	4 ± 5	24 ± 37	9 ± 13	32 ± 54
PI + HLA-DR	4327 ± 3955	2113 ± 1993	2030 ± 2128	3506 ± 4965	2688 ± 2888
PI + IL-22R	1637 ± 1474	1919 ± 1747	1308 ± 1693	1501 ± 1612	1910 ± 1502
PI + IL-23R	1143 ± 1303	1432 ± 2489	291 ± 440	723 ± 651	556 ± 503
PI + Ki67	5216 ± 3631	2421 ± 3398	3787 ± 4467	2917 ± 3468	2851 ± 3583
PI + Podoplanin	1571 ± 1841	461 ± 779	386 ± 657	1102 ± 1964	240 ± 640
PI + SNA1	2577 ± 3533	472 ± 495	646 ± 707	673 ± 824	675 ± 883
PI + STAT3	4063 ± 4130	3677 ± 3781	1433 ± 2124	2000 ± 2281	1802 ± 1989
PI + TIA1	46 ± 53	20 ± 30	44 ± 44	44 ± 75	25 ± 31
PI + Vimentin	3596 ± 2517	1771 ± 1298	2207 ± 1369	2656 ± 1426	2401 ± 1502

Tabelle 180: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	2 ± 7	237 ± 775	73 ± 162	2 ± 7	2 ± 7
Podoplanin + BCL2	510 ± 989	42 ± 95	37 ± 68	66 ± 110	14 ± 29
Podoplanin + CCR6	34 ± 57	69 ± 182	67 ± 144	61 ± 156	3 ± 6
Podoplanin + CD11a	112 ± 221	10 ± 31	15 ± 33	97 ± 243	10 ± 31
Podoplanin + CD11b	20 ± 32	10 ± 33	10 ± 33	17 ± 36	12 ± 33
Podoplanin + CD120a	8 ± 15	4 ± 12	5 ± 12	11 ± 22	4 ± 12
Podoplanin + CD120b	7 ± 16	1 ± 2	1 ± 2	34 ± 102	1 ± 2
Podoplanin + CD138	3458 ± 7430	668 ± 1282	638 ± 1117	1727 ± 3259	385 ± 1077
Podoplanin + CD15	3 ± 7	2 ± 7	0 ± 0	5 ± 13	0 ± 0
Podoplanin + CD1a	23 ± 56	5 ± 18	5 ± 18	29 ± 68	7 ± 18
Podoplanin + CD2	102 ± 192	12 ± 39	17 ± 40	102 ± 261	12 ± 39
Podoplanin + CD207	9 ± 15	3 ± 5	3 ± 5	41 ± 86	2 ± 4
Podoplanin + CD24	41 ± 129	39 ± 129	39 ± 129	43 ± 129	41 ± 129
Podoplanin + CD28	35 ± 73	2 ± 6	3 ± 7	32 ± 92	2 ± 6
Podoplanin + CD29	3928 ± 7136	868 ± 1705	826 ± 1652	2900 ± 5449	594 ± 1641
Podoplanin + CD3	123 ± 231	19 ± 63	30 ± 68	314 ± 803	21 ± 63
Podoplanin + CD31	0 ± 0	5 ± 15	39 ± 128	0 ± 0	0 ± 0
Podoplanin + CD4	34 ± 61	10 ± 31	10 ± 31	91 ± 243	11 ± 31
Podoplanin + CD44	4469 ± 7813	634 ± 2027	855 ± 2059	3812 ± 7326	695 ± 2018
Podoplanin + CD45	57 ± 94	4 ± 13	9 ± 20	263 ± 822	5 ± 13
Podoplanin + CD45RA	29 ± 49	8 ± 27	12 ± 27	35 ± 87	8 ± 26
Podoplanin + CD45RO	31 ± 52	8 ± 25	11 ± 26	51 ± 123	8 ± 25
Podoplanin + CD52	5 ± 8	3 ± 7	2 ± 4	439 ± 1446	1 ± 3
Podoplanin + CD54	825 ± 1488	104 ± 343	104 ± 343	437 ± 1087	111 ± 342
Podoplanin + CD56	3 ± 5	132 ± 294	67 ± 148	11 ± 30	2 ± 3
Podoplanin + CD58	2332 ± 5799	356 ± 1149	372 ± 1145	2156 ± 4452	414 ± 1148
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	4 ± 13	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	57 ± 78	82 ± 142	32 ± 69	33 ± 73	26 ± 69
Podoplanin + CD7	93 ± 183	8 ± 26	16 ± 31	251 ± 627	9 ± 26
Podoplanin + CD8a	66 ± 102	18 ± 59	19 ± 58	64 ± 127	19 ± 58
Podoplanin + CK14	5537 ± 8440	1399 ± 2857	1286 ± 2799	5348 ± 10462	973 ± 2813
Podoplanin + CLA	56 ± 76	18 ± 58	20 ± 58	48 ± 88	20 ± 58
Podoplanin + c-myc	918 ± 1446	441 ± 933	317 ± 545	1098 ± 2155	178 ± 465
Podoplanin + Collagen IV	418 ± 835	108 ± 241	99 ± 243	633 ± 1256	91 ± 245
Podoplanin + FXIIIA	6 ± 13	6 ± 14	26 ± 51	7 ± 13	4 ± 13
Podoplanin + HLA-DR	2490 ± 4891	477 ± 1260	448 ± 1262	920 ± 1728	431 ± 1266
Podoplanin + IL-22R	253 ± 478	125 ± 393	133 ± 391	211 ± 426	125 ± 393
Podoplanin + IL-23R	36 ± 107	2 ± 6	2 ± 6	78 ± 221	2 ± 6
Podoplanin + Ki67	177 ± 328	29 ± 71	29 ± 72	28 ± 71	23 ± 71
Podoplanin + PI	1571 ± 1841	461 ± 779	386 ± 657	1102 ± 1964	240 ± 640
Podoplanin + SNA1	1988 ± 5630	136 ± 288	129 ± 300	813 ± 1700	124 ± 295
Podoplanin + STAT3	97 ± 283	292 ± 844	153 ± 381	161 ± 455	0 ± 1
Podoplanin + TIA1	17 ± 38	11 ± 31	23 ± 63	14 ± 37	3 ± 6
Podoplanin + Vimentin	609 ± 797	214 ± 423	172 ± 411	598 ± 1171	143 ± 416

Tabelle 181: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	10 ± 16	32 ± 98	5 ± 11	9 ± 25	2 ± 5
SNA1 + BCL2	1007 ± 1704	101 ± 72	260 ± 356	119 ± 88	133 ± 95
SNA1 + CCR6	90 ± 140	16 ± 21	17 ± 23	51 ± 65	40 ± 57
SNA1 + CD11a	756 ± 1271	57 ± 157	160 ± 210	226 ± 371	88 ± 167
SNA1 + CD11b	341 ± 443	99 ± 308	121 ± 303	221 ± 374	137 ± 302
SNA1 + CD120a	82 ± 89	41 ± 39	36 ± 24	70 ± 59	57 ± 40
SNA1 + CD120b	80 ± 125	9 ± 27	21 ± 34	26 ± 49	16 ± 28
SNA1 + CD138	6182 ± 12102	720 ± 979	992 ± 1453	583 ± 693	827 ± 1281
SNA1 + CD15	106 ± 176	13 ± 17	9 ± 13	130 ± 218	13 ± 13
SNA1 + CD1a	149 ± 188	93 ± 112	63 ± 66	78 ± 93	175 ± 312
SNA1 + CD2	607 ± 1072	63 ± 149	141 ± 169	167 ± 268	146 ± 193
SNA1 + CD207	151 ± 212	82 ± 82	84 ± 88	86 ± 95	113 ± 154
SNA1 + CD24	71 ± 128	10 ± 32	16 ± 32	70 ± 130	35 ± 77
SNA1 + CD28	348 ± 779	13 ± 31	29 ± 43	37 ± 54	30 ± 48
SNA1 + CD29	8336 ± 12209	1607 ± 1820	2271 ± 2303	2227 ± 2337	1968 ± 1997
SNA1 + CD3	522 ± 899	41 ± 109	136 ± 200	255 ± 486	133 ± 233
SNA1 + CD31	62 ± 89	11 ± 18	14 ± 18	69 ± 143	14 ± 18
SNA1 + CD4	399 ± 888	41 ± 108	74 ± 111	162 ± 339	58 ± 106
SNA1 + CD44	6621 ± 11679	921 ± 1341	1690 ± 1808	1693 ± 2080	1446 ± 1814
SNA1 + CD45	712 ± 1504	35 ± 79	126 ± 166	189 ± 405	68 ± 100
SNA1 + CD45RA	155 ± 247	22 ± 56	36 ± 60	64 ± 112	25 ± 55
SNA1 + CD45RO	598 ± 1280	32 ± 105	107 ± 163	160 ± 273	138 ± 277
SNA1 + CD52	63 ± 114	7 ± 16	14 ± 26	120 ± 355	17 ± 29
SNA1 + CD54	1351 ± 2547	97 ± 295	128 ± 291	291 ± 501	122 ± 291
SNA1 + CD56	32 ± 33	25 ± 40	26 ± 40	46 ± 111	21 ± 25
SNA1 + CD58	3020 ± 7038	334 ± 699	272 ± 697	630 ± 1072	598 ± 1026
SNA1 + CD62E	13 ± 40	1 ± 1	2 ± 7	3 ± 8	0 ± 1
SNA1 + CD62P	5 ± 10	2 ± 2	1 ± 2	14 ± 45	2 ± 3
SNA1 + CD68	479 ± 492	518 ± 380	392 ± 391	353 ± 406	411 ± 403
SNA1 + CD7	516 ± 894	26 ± 74	155 ± 198	185 ± 316	54 ± 89
SNA1 + CD8a	243 ± 322	43 ± 98	80 ± 106	86 ± 114	89 ± 123
SNA1 + CK14	11686 ± 14183	3239 ± 2334	5047 ± 3448	4864 ± 3247	4253 ± 2438
SNA1 + CLA	307 ± 368	45 ± 99	97 ± 127	133 ± 149	142 ± 183
SNA1 + c-myc	8328 ± 6944	2180 ± 2464	3528 ± 2605	4762 ± 4666	3321 ± 2509
SNA1 + Collagen IV	4751 ± 5367	1971 ± 2034	3315 ± 2571	4031 ± 3672	2413 ± 1904
SNA1 + FXIIIA	20 ± 42	15 ± 43	19 ± 42	21 ± 43	40 ± 60
SNA1 + HLA-DR	5248 ± 9212	795 ± 1159	1014 ± 1309	1068 ± 1204	961 ± 1383
SNA1 + IL-22R	272 ± 413	170 ± 217	104 ± 150	112 ± 141	132 ± 138
SNA1 + IL-23R	350 ± 661	187 ± 362	24 ± 34	94 ± 140	55 ± 59
SNA1 + Ki67	369 ± 643	63 ± 128	61 ± 85	42 ± 60	60 ± 75
SNA1 + PI	2577 ± 3533	472 ± 495	646 ± 707	673 ± 824	675 ± 883
SNA1 + Podoplanin	1988 ± 5630	136 ± 288	129 ± 300	813 ± 1700	124 ± 295
SNA1 + STAT3	523 ± 921	442 ± 1057	29 ± 37	89 ± 180	30 ± 29
SNA1 + TIA1	78 ± 174	6 ± 16	15 ± 22	69 ± 171	11 ± 19
SNA1 + Vimentin	2335 ± 2485	751 ± 879	930 ± 876	1053 ± 1047	845 ± 875

Tabelle 182: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	1 ± 2	573 ± 1898	104 ± 231	0 ± 1	2 ± 6
STAT3 + BCL2	2561 ± 2938	2397 ± 4013	930 ± 1710	918 ± 1713	1088 ± 1699
STAT3 + CCR6	115 ± 119	305 ± 398	118 ± 188	107 ± 133	301 ± 440
STAT3 + CD11a	118 ± 183	6 ± 11	6 ± 10	13 ± 12	11 ± 12
STAT3 + CD11b	127 ± 271	5 ± 12	5 ± 12	480 ± 1087	8 ± 13
STAT3 + CD120a	171 ± 262	136 ± 161	54 ± 91	76 ± 85	149 ± 272
STAT3 + CD120b	10 ± 15	9 ± 19	2 ± 4	2 ± 4	2 ± 4
STAT3 + CD138	18991 ± 15180	9843 ± 6134	5625 ± 5862	8365 ± 5691	7937 ± 5752
STAT3 + CD15	95 ± 228	18 ± 18	9 ± 16	133 ± 361	26 ± 54
STAT3 + CD1a	919 ± 1202	725 ± 680	249 ± 337	370 ± 290	612 ± 830
STAT3 + CD2	153 ± 228	10 ± 22	11 ± 22	49 ± 60	49 ± 64
STAT3 + CD207	619 ± 597	657 ± 737	352 ± 443	453 ± 407	412 ± 430
STAT3 + CD24	79 ± 193	3 ± 6	2 ± 5	190 ± 436	2 ± 6
STAT3 + CD28	75 ± 158	1 ± 2	1 ± 2	2 ± 2	1 ± 2
STAT3 + CD29	1930 ± 2523	3563 ± 4138	1500 ± 2510	1489 ± 2446	1317 ± 2465
STAT3 + CD3	89 ± 143	7 ± 11	5 ± 10	36 ± 50	12 ± 15
STAT3 + CD31	0 ± 0	8 ± 21	49 ± 163	0 ± 1	0 ± 0
STAT3 + CD4	34 ± 66	3 ± 3	2 ± 3	6 ± 7	4 ± 6
STAT3 + CD44	4058 ± 3727	3505 ± 3341	1642 ± 1592	2828 ± 1842	2637 ± 1914
STAT3 + CD45	190 ± 361	12 ± 16	9 ± 15	21 ± 18	49 ± 97
STAT3 + CD45RA	10 ± 24	1 ± 3	4 ± 10	2 ± 3	1 ± 3
STAT3 + CD45RO	162 ± 333	3 ± 6	3 ± 6	175 ± 394	15 ± 26
STAT3 + CD52	46 ± 94	5 ± 10	1 ± 2	12 ± 32	3 ± 4
STAT3 + CD54	206 ± 448	13 ± 28	9 ± 27	21 ± 32	9 ± 27
STAT3 + CD56	7 ± 15	131 ± 364	126 ± 279	4 ± 5	4 ± 8
STAT3 + CD58	7107 ± 8332	4409 ± 4700	2213 ± 4170	2718 ± 4019	2779 ± 4090
STAT3 + CD62E	10 ± 11	10 ± 19	5 ± 7	67 ± 146	5 ± 6
STAT3 + CD62P	16 ± 36	11 ± 25	3 ± 9	35 ± 84	3 ± 9
STAT3 + CD68	131 ± 252	315 ± 347	140 ± 261	137 ± 248	164 ± 253
STAT3 + CD7	161 ± 302	5 ± 11	5 ± 11	35 ± 60	9 ± 12
STAT3 + CD8a	54 ± 69	4 ± 8	4 ± 8	10 ± 12	13 ± 24
STAT3 + CK14	21575 ± 18654	9773 ± 6520	6090 ± 5715	14685 ± 16683	8943 ± 6089
STAT3 + CLA	202 ± 274	101 ± 267	84 ± 266	107 ± 262	184 ± 369
STAT3 + c-myc	10199 ± 9636	6647 ± 5253	4074 ± 3686	4116 ± 2878	4344 ± 3464
STAT3 + Collagen IV	28 ± 66	140 ± 303	43 ± 101	34 ± 111	0 ± 1
STAT3 + FXIIIA	14 ± 30	7 ± 9	26 ± 56	7 ± 14	13 ± 25
STAT3 + HLA-DR	3347 ± 3988	1513 ± 1440	598 ± 615	1448 ± 2096	845 ± 651
STAT3 + IL-22R	6016 ± 3782	3873 ± 3222	2282 ± 3220	2896 ± 3016	3330 ± 3323
STAT3 + IL-23R	4961 ± 4504	3514 ± 4788	1350 ± 1787	3685 ± 2691	2609 ± 2064
STAT3 + Ki67	476 ± 590	293 ± 507	86 ± 142	83 ± 141	97 ± 143
STAT3 + PI	4063 ± 4130	3677 ± 3781	1433 ± 2124	2000 ± 2281	1802 ± 1989
STAT3 + Podoplanin	97 ± 283	292 ± 844	153 ± 381	161 ± 455	0 ± 1
STAT3 + SNA1	523 ± 921	442 ± 1057	29 ± 37	89 ± 180	30 ± 29
STAT3 + TIA1	16 ± 32	19 ± 38	21 ± 62	103 ± 295	7 ± 14
STAT3 + Vimentin	544 ± 418	586 ± 729	245 ± 314	364 ± 270	376 ± 431

Tabelle 183: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	0 ± 0	10 ± 33	13 ± 40	0 ± 0	0 ± 0
TIA1 + BCL2	17 ± 21	13 ± 25	11 ± 13	8 ± 14	11 ± 14
TIA1 + CCR6	10 ± 16	11 ± 28	19 ± 49	4 ± 5	3 ± 5
TIA1 + CD11a	71 ± 98	15 ± 40	29 ± 41	39 ± 66	22 ± 39
TIA1 + CD11b	38 ± 68	8 ± 27	9 ± 27	175 ± 469	9 ± 27
TIA1 + CD120a	2 ± 7	0 ± 1	0 ± 1	2 ± 6	0 ± 1
TIA1 + CD120b	5 ± 8	1 ± 4	1 ± 4	3 ± 8	1 ± 4
TIA1 + CD138	42 ± 61	25 ± 40	43 ± 62	17 ± 22	21 ± 26
TIA1 + CD15	17 ± 43	2 ± 6	2 ± 6	69 ± 162	2 ± 6
TIA1 + CD1a	0 ± 0	2 ± 6	1 ± 3	1 ± 3	4 ± 7
TIA1 + CD2	70 ± 80	23 ± 58	47 ± 64	46 ± 72	36 ± 56
TIA1 + CD207	0 ± 1	1 ± 3	0 ± 1	4 ± 14	2 ± 4
TIA1 + CD24	5 ± 11	0 ± 1	1 ± 3	98 ± 277	0 ± 1
TIA1 + CD28	8 ± 13	1 ± 2	2 ± 6	3 ± 8	1 ± 2
TIA1 + CD29	56 ± 87	24 ± 38	43 ± 59	34 ± 56	18 ± 27
TIA1 + CD3	51 ± 62	18 ± 46	30 ± 44	46 ± 77	30 ± 46
TIA1 + CD31	0 ± 0	1 ± 4	11 ± 37	1 ± 2	0 ± 0
TIA1 + CD4	9 ± 17	1 ± 4	3 ± 7	6 ± 15	2 ± 4
TIA1 + CD44	75 ± 117	17 ± 47	38 ± 52	62 ± 115	29 ± 47
TIA1 + CD45	38 ± 48	4 ± 12	16 ± 19	29 ± 73	9 ± 13
TIA1 + CD45RA	27 ± 40	11 ± 24	16 ± 22	16 ± 24	12 ± 23
TIA1 + CD45RO	28 ± 48	2 ± 6	6 ± 10	75 ± 231	4 ± 8
TIA1 + CD52	11 ± 12	2 ± 4	4 ± 7	20 ± 60	3 ± 5
TIA1 + CD54	21 ± 33	4 ± 15	6 ± 15	13 ± 29	5 ± 15
TIA1 + CD56	6 ± 11	9 ± 21	16 ± 37	5 ± 10	3 ± 9
TIA1 + CD58	44 ± 81	21 ± 40	27 ± 41	23 ± 47	22 ± 37
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	6 ± 14	0 ± 0
TIA1 + CD62P	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	19 ± 35	16 ± 36	22 ± 35	17 ± 35	20 ± 34
TIA1 + CD7	60 ± 90	16 ± 45	40 ± 55	44 ± 64	24 ± 45
TIA1 + CD8a	58 ± 66	24 ± 61	39 ± 58	44 ± 73	36 ± 60
TIA1 + CK14	97 ± 107	46 ± 74	86 ± 87	94 ± 141	58 ± 69
TIA1 + CLA	40 ± 43	16 ± 37	25 ± 37	41 ± 56	29 ± 38
TIA1 + c-myc	49 ± 80	26 ± 42	39 ± 61	56 ± 131	17 ± 26
TIA1 + Collagen IV	29 ± 66	6 ± 15	15 ± 22	34 ± 74	8 ± 15
TIA1 + FXIIIA	0 ± 1	1 ± 4	8 ± 23	1 ± 4	0 ± 0
TIA1 + HLA-DR	81 ± 143	14 ± 42	23 ± 41	42 ± 83	23 ± 43
TIA1 + IL-22R	7 ± 7	9 ± 18	4 ± 7	5 ± 7	11 ± 16
TIA1 + IL-23R	8 ± 23	0 ± 0	0 ± 1	44 ± 130	2 ± 6
TIA1 + Ki67	1 ± 2	0 ± 1	1 ± 1	0 ± 1	1 ± 1
TIA1 + PI	46 ± 53	20 ± 30	44 ± 44	44 ± 75	25 ± 31
TIA1 + Podoplanin	17 ± 38	11 ± 31	23 ± 63	14 ± 37	3 ± 6
TIA1 + SNA1	78 ± 174	6 ± 16	15 ± 22	69 ± 171	11 ± 19
TIA1 + STAT3	16 ± 32	19 ± 38	21 ± 62	103 ± 295	7 ± 14
TIA1 + Vimentin	73 ± 99	29 ± 74	49 ± 75	42 ± 74	40 ± 73

Tabelle 184: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für alle n=6 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	8 ± 15	65 ± 207	15 ± 24	12 ± 30	3 ± 6
Vimentin + BCL2	1440 ± 1078	446 ± 322	708 ± 543	619 ± 296	668 ± 352
Vimentin + CCR6	179 ± 235	56 ± 64	67 ± 57	212 ± 208	164 ± 185
Vimentin + CD11a	722 ± 1142	167 ± 437	284 ± 430	377 ± 531	206 ± 427
Vimentin + CD11b	242 ± 513	169 ± 528	185 ± 523	184 ± 523	231 ± 526
Vimentin + CD120a	235 ± 136	182 ± 125	213 ± 135	237 ± 105	243 ± 217
Vimentin + CD120b	46 ± 66	13 ± 40	18 ± 39	25 ± 44	21 ± 40
Vimentin + CD138	4063 ± 3458	1483 ± 1471	2147 ± 1678	2014 ± 1495	2021 ± 1766
Vimentin + CD15	39 ± 71	56 ± 114	22 ± 59	65 ± 126	38 ± 59
Vimentin + CD1a	596 ± 438	400 ± 266	412 ± 346	514 ± 267	815 ± 602
Vimentin + CD2	971 ± 1431	239 ± 590	471 ± 604	430 ± 595	429 ± 559
Vimentin + CD207	685 ± 361	503 ± 103	658 ± 334	679 ± 313	818 ± 352
Vimentin + CD24	19 ± 55	17 ± 55	17 ± 55	21 ± 54	25 ± 56
Vimentin + CD28	332 ± 742	40 ± 99	53 ± 97	63 ± 102	52 ± 99
Vimentin + CD29	3727 ± 2735	1776 ± 1721	2088 ± 1728	2318 ± 1669	2072 ± 1724
Vimentin + CD3	665 ± 951	179 ± 475	293 ± 480	414 ± 548	318 ± 492
Vimentin + CD31	37 ± 48	6 ± 14	11 ± 18	75 ± 216	7 ± 14
Vimentin + CD4	349 ± 709	74 ± 198	92 ± 193	202 ± 384	92 ± 194
Vimentin + CD44	3500 ± 3133	1635 ± 2314	2556 ± 2415	2876 ± 2345	2528 ± 2489
Vimentin + CD45	786 ± 1607	87 ± 168	211 ± 204	243 ± 331	191 ± 254
Vimentin + CD45RA	162 ± 257	70 ± 215	82 ± 212	107 ± 224	75 ± 213
Vimentin + CD45RO	646 ± 1403	79 ± 252	198 ± 293	213 ± 296	219 ± 351
Vimentin + CD52	69 ± 138	10 ± 23	12 ± 24	71 ± 189	24 ± 30
Vimentin + CD54	954 ± 1651	257 ± 841	308 ± 835	535 ± 962	321 ± 832
Vimentin + CD56	25 ± 27	41 ± 80	31 ± 31	29 ± 51	17 ± 19
Vimentin + CD58	1523 ± 2046	754 ± 1306	742 ± 1329	977 ± 1396	1149 ± 1402
Vimentin + CD62E	5 ± 14	0 ± 1	3 ± 9	0 ± 0	0 ± 0
Vimentin + CD62P	2 ± 3	2 ± 5	1 ± 2	27 ± 88	1 ± 2
Vimentin + CD68	1564 ± 1242	1591 ± 1072	1417 ± 1166	1567 ± 1256	1699 ± 1295
Vimentin + CD7	541 ± 863	126 ± 364	301 ± 391	358 ± 468	194 ± 356
Vimentin + CD8a	314 ± 413	123 ± 367	174 ± 362	179 ± 359	203 ± 361
Vimentin + CK14	7483 ± 4887	4002 ± 3972	5286 ± 4148	6331 ± 4097	5563 ± 4063
Vimentin + CLA	742 ± 616	272 ± 511	472 ± 520	446 ± 500	573 ± 582
Vimentin + c-myc	2007 ± 1387	1066 ± 1292	1016 ± 1177	1540 ± 1716	1237 ± 1177
Vimentin + Collagen IV	861 ± 939	556 ± 783	648 ± 751	959 ± 1004	644 ± 796
Vimentin + FXIIIA	15 ± 25	10 ± 24	17 ± 24	18 ± 32	28 ± 56
Vimentin + HLA-DR	3612 ± 3151	1696 ± 2189	1966 ± 2310	2446 ± 2477	2099 ± 2215
Vimentin + IL-22R	616 ± 455	498 ± 449	411 ± 493	510 ± 472	678 ± 609
Vimentin + IL-23R	296 ± 301	323 ± 473	108 ± 169	343 ± 313	264 ± 333
Vimentin + Ki67	321 ± 294	208 ± 302	218 ± 314	261 ± 315	225 ± 327
Vimentin + PI	3596 ± 2517	1771 ± 1298	2207 ± 1369	2656 ± 1426	2401 ± 1502
Vimentin + Podoplanin	609 ± 797	214 ± 423	172 ± 411	598 ± 1171	143 ± 416
Vimentin + SNA1	2335 ± 2485	751 ± 879	930 ± 876	1053 ± 1047	845 ± 875
Vimentin + STAT3	544 ± 418	586 ± 729	245 ± 314	364 ± 270	376 ± 431
Vimentin + TIA1	73 ± 99	29 ± 74	49 ± 75	42 ± 74	40 ± 73

1.1.5 Duale Koexpression der Epidermis für die Responder

Tabelle 185: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	2 ± 3	6 ± 17	4 ± 6	0 ± 1	1 ± 2
Aktin + CCR6	1 ± 2	65 ± 191	26 ± 77	1 ± 2	1 ± 2
Aktin + CD11a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD120a	0 ± 0	0 ± 1	1 ± 2	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD138	3 ± 4	694 ± 2074	69 ± 199	4 ± 6	5 ± 9
Aktin + CD15	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD207	0 ± 1	1 ± 2	1 ± 2	0 ± 1	0 ± 1
Aktin + CD24	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD29	12 ± 18	381 ± 1123	75 ± 193	14 ± 25	8 ± 11
Aktin + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD31	4 ± 8	9 ± 23	46 ± 123	13 ± 34	2 ± 5
Aktin + CD4	0 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
Aktin + CD44	1 ± 2	20 ± 57	3 ± 7	1 ± 2	1 ± 2
Aktin + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD45RA	0 ± 0	0 ± 0	2 ± 7	0 ± 0	0 ± 0
Aktin + CD45RO	0 ± 0	0 ± 1	0 ± 0	0 ± 0	2 ± 5
Aktin + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD54	7 ± 17	1 ± 4	4 ± 8	13 ± 33	1 ± 4
Aktin + CD56	0 ± 0	133 ± 400	43 ± 128	0 ± 0	2 ± 5
Aktin + CD58	3 ± 6	14 ± 38	13 ± 34	4 ± 7	2 ± 5
Aktin + CD62E	0 ± 0	0 ± 0	3 ± 9	0 ± 0	0 ± 0
Aktin + CD62P	1 ± 1	9 ± 26	1 ± 2	9 ± 27	0 ± 1
Aktin + CD68	2 ± 4	28 ± 78	5 ± 9	1 ± 4	2 ± 4
Aktin + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CK14	6 ± 11	682 ± 2028	71 ± 192	4 ± 11	8 ± 13
Aktin + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + c-myc	4 ± 7	719 ± 2149	72 ± 201	2 ± 5	3 ± 5
Aktin + Collagen IV	8 ± 17	55 ± 157	6 ± 10	10 ± 25	2 ± 6
Aktin + FXIIIA	1 ± 2	4 ± 8	18 ± 50	1 ± 2	2 ± 3
Aktin + HLA-DR	7 ± 16	41 ± 117	7 ± 12	2 ± 5	2 ± 5
Aktin + IL-22R	1 ± 1	2 ± 5	1 ± 1	1 ± 1	1 ± 1
Aktin + IL-23R	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + Ki67	0 ± 1	2 ± 7	0 ± 0	0 ± 0	0 ± 0
Aktin + PI	5 ± 9	330 ± 983	41 ± 109	3 ± 4	4 ± 6
Aktin + Podoplanin	3 ± 8	290 ± 857	56 ± 159	3 ± 8	3 ± 8
Aktin + SNA1	8 ± 17	39 ± 108	6 ± 12	11 ± 27	2 ± 6
Aktin + STAT3	1 ± 1	700 ± 2099	68 ± 202	0 ± 1	3 ± 7
Aktin + TIA1	0 ± 0	12 ± 36	15 ± 45	0 ± 0	0 ± 0
Aktin + Vimentin	9 ± 17	79 ± 228	15 ± 25	14 ± 33	4 ± 6

Tabelle 186: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	2 ± 3	6 ± 17	4 ± 6	0 ± 1	1 ± 2
BCL2 + CCR6	67 ± 62	31 ± 27	34 ± 28	47 ± 46	90 ± 125
BCL2 + CD11a	86 ± 137	30 ± 42	78 ± 66	45 ± 42	36 ± 39
BCL2 + CD11b	12 ± 16	9 ± 17	13 ± 16	9 ± 17	13 ± 16
BCL2 + CD120a	30 ± 33	26 ± 33	29 ± 34	22 ± 34	35 ± 46
BCL2 + CD120b	9 ± 14	3 ± 5	5 ± 6	6 ± 7	4 ± 5
BCL2 + CD138	5846 ± 8543	1903 ± 2845	3168 ± 3101	1687 ± 2898	2019 ± 2897
BCL2 + CD15	36 ± 45	27 ± 45	25 ± 46	25 ± 46	42 ± 44
BCL2 + CD1a	65 ± 76	50 ± 74	60 ± 92	36 ± 68	75 ± 85
BCL2 + CD2	152 ± 216	45 ± 56	113 ± 86	59 ± 49	92 ± 69
BCL2 + CD207	119 ± 176	87 ± 171	100 ± 167	81 ± 174	117 ± 175
BCL2 + CD24	3 ± 6	2 ± 3	2 ± 3	2 ± 3	4 ± 6
BCL2 + CD28	32 ± 53	7 ± 14	16 ± 19	9 ± 14	8 ± 14
BCL2 + CD29	2723 ± 3137	999 ± 1174	1631 ± 1335	1053 ± 1141	1288 ± 1023
BCL2 + CD3	99 ± 191	30 ± 34	85 ± 99	56 ± 52	52 ± 51
BCL2 + CD31	2 ± 3	1 ± 3	4 ± 6	1 ± 3	1 ± 3
BCL2 + CD4	24 ± 39	11 ± 20	21 ± 24	14 ± 20	14 ± 19
BCL2 + CD44	2280 ± 3117	1140 ± 2018	1889 ± 2130	1077 ± 1993	1191 ± 1938
BCL2 + CD45	66 ± 93	16 ± 30	53 ± 55	22 ± 28	19 ± 29
BCL2 + CD45RA	27 ± 31	16 ± 24	25 ± 24	17 ± 23	21 ± 23
BCL2 + CD45RO	38 ± 93	3 ± 8	37 ± 55	11 ± 13	15 ± 25
BCL2 + CD52	38 ± 79	5 ± 5	6 ± 8	3 ± 4	5 ± 4
BCL2 + CD54	75 ± 167	8 ± 18	14 ± 21	9 ± 18	20 ± 30
BCL2 + CD56	3 ± 5	20 ± 52	9 ± 12	2 ± 3	3 ± 4
BCL2 + CD58	2298 ± 3780	870 ± 1462	936 ± 1472	781 ± 1483	899 ± 1426
BCL2 + CD62E	12 ± 15	7 ± 13	8 ± 12	6 ± 13	8 ± 12
BCL2 + CD62P	23 ± 40	8 ± 22	8 ± 22	8 ± 22	8 ± 22
BCL2 + CD68	549 ± 391	459 ± 404	540 ± 360	445 ± 411	541 ± 421
BCL2 + CD7	56 ± 110	13 ± 14	81 ± 95	60 ± 84	24 ± 19
BCL2 + CD8a	42 ± 55	17 ± 29	36 ± 39	17 ± 29	32 ± 37
BCL2 + CK14	7581 ± 8707	2750 ± 3563	5112 ± 4561	2702 ± 3527	3315 ± 3268
BCL2 + CLA	67 ± 59	38 ± 60	68 ± 71	65 ± 72	75 ± 69
BCL2 + c-myc	3634 ± 4155	1972 ± 3426	1924 ± 3413	1814 ± 3475	1987 ± 3387
BCL2 + Collagen IV	231 ± 265	130 ± 145	228 ± 164	225 ± 265	200 ± 123
BCL2 + FXIIIA	9 ± 11	8 ± 10	8 ± 8	5 ± 9	16 ± 22
BCL2 + HLA-DR	1217 ± 2167	354 ± 466	557 ± 709	334 ± 479	399 ± 464
BCL2 + IL-22R	1426 ± 2496	1209 ± 2580	1226 ± 2573	1176 ± 2596	1256 ± 2565
BCL2 + IL-23R	1103 ± 1108	790 ± 1024	505 ± 783	557 ± 763	585 ± 737
BCL2 + Ki67	1541 ± 2249	204 ± 221	1307 ± 2106	234 ± 283	203 ± 223
BCL2 + PI	6639 ± 8932	1626 ± 1669	4197 ± 4076	1570 ± 1596	2069 ± 1472
BCL2 + Podoplanin	527 ± 1085	50 ± 105	45 ± 74	43 ± 69	17 ± 32
BCL2 + SNA1	813 ± 1836	108 ± 79	310 ± 378	112 ± 75	158 ± 87
BCL2 + STAT3	2547 ± 3241	1326 ± 1854	1078 ± 1873	1073 ± 1873	1309 ± 1818
BCL2 + TIA1	15 ± 22	8 ± 15	14 ± 14	8 ± 15	13 ± 15
BCL2 + Vimentin	1153 ± 918	447 ± 305	810 ± 547	592 ± 307	760 ± 319

Tabelle 187: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	1 ± 2	65 ± 191	26 ± 77	1 ± 2	1 ± 2
CCR6 + BCL2	67 ± 62	31 ± 27	34 ± 28	47 ± 46	90 ± 125
CCR6 + CD11a	38 ± 59	14 ± 38	21 ± 39	32 ± 45	24 ± 40
CCR6 + CD11b	7 ± 15	5 ± 14	5 ± 14	6 ± 14	5 ± 14
CCR6 + CD120a	6 ± 5	7 ± 9	4 ± 4	7 ± 10	6 ± 6
CCR6 + CD120b	6 ± 10	2 ± 3	1 ± 3	4 ± 6	2 ± 4
CCR6 + CD138	227 ± 308	331 ± 398	212 ± 270	138 ± 143	342 ± 672
CCR6 + CD15	3 ± 8	12 ± 25	3 ± 8	3 ± 8	5 ± 8
CCR6 + CD1a	10 ± 10	28 ± 59	21 ± 48	13 ± 13	21 ± 29
CCR6 + CD2	50 ± 70	18 ± 42	30 ± 46	47 ± 56	41 ± 47
CCR6 + CD207	17 ± 19	41 ± 88	7 ± 8	13 ± 15	26 ± 38
CCR6 + CD24	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 2
CCR6 + CD28	22 ± 41	6 ± 16	8 ± 17	10 ± 17	10 ± 17
CCR6 + CD29	97 ± 130	106 ± 170	90 ± 134	95 ± 105	120 ± 172
CCR6 + CD3	54 ± 79	20 ± 44	31 ± 51	46 ± 62	42 ± 58
CCR6 + CD31	0 ± 0	3 ± 8	21 ± 62	0 ± 0	0 ± 0
CCR6 + CD4	15 ± 28	7 ± 20	8 ± 20	11 ± 21	10 ± 19
CCR6 + CD44	112 ± 122	92 ± 102	82 ± 65	133 ± 122	236 ± 411
CCR6 + CD45	33 ± 48	10 ± 27	18 ± 31	20 ± 29	17 ± 28
CCR6 + CD45RA	5 ± 7	3 ± 7	7 ± 10	4 ± 7	5 ± 8
CCR6 + CD45RO	23 ± 42	9 ± 27	13 ± 27	25 ± 36	21 ± 32
CCR6 + CD52	14 ± 19	15 ± 34	5 ± 10	5 ± 10	7 ± 10
CCR6 + CD54	15 ± 26	10 ± 20	7 ± 19	11 ± 20	7 ± 19
CCR6 + CD56	1 ± 2	32 ± 86	23 ± 66	2 ± 3	1 ± 2
CCR6 + CD58	75 ± 107	45 ± 28	95 ± 176	39 ± 43	55 ± 42
CCR6 + CD62E	1 ± 3	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD62P	1 ± 2	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD68	42 ± 55	44 ± 51	31 ± 44	52 ± 49	31 ± 44
CCR6 + CD7	28 ± 36	9 ± 19	19 ± 23	33 ± 36	21 ± 28
CCR6 + CD8a	21 ± 36	9 ± 25	13 ± 25	17 ± 25	20 ± 36
CCR6 + CK14	287 ± 318	302 ± 316	237 ± 241	287 ± 321	550 ± 734
CCR6 + CLA	29 ± 33	15 ± 27	18 ± 27	23 ± 27	28 ± 34
CCR6 + c-myc	127 ± 142	332 ± 449	96 ± 165	76 ± 81	302 ± 469
CCR6 + Collagen IV	10 ± 16	6 ± 11	7 ± 7	14 ± 19	10 ± 14
CCR6 + FXIIIA	2 ± 4	6 ± 8	10 ± 31	0 ± 1	1 ± 1
CCR6 + HLA-DR	104 ± 119	109 ± 144	47 ± 48	75 ± 75	79 ± 72
CCR6 + IL-22R	75 ± 121	144 ± 247	25 ± 23	52 ± 70	142 ± 346
CCR6 + IL-23R	53 ± 77	42 ± 79	35 ± 80	66 ± 86	155 ± 183
CCR6 + Ki67	4 ± 8	3 ± 4	4 ± 5	7 ± 12	18 ± 47
CCR6 + PI	64 ± 68	99 ± 135	67 ± 83	82 ± 100	145 ± 166
CCR6 + Podoplanin	37 ± 62	84 ± 199	57 ± 148	17 ± 38	4 ± 6
CCR6 + SNA1	60 ± 106	19 ± 22	19 ± 26	33 ± 33	44 ± 62
CCR6 + STAT3	92 ± 118	244 ± 318	88 ± 166	74 ± 85	266 ± 425
CCR6 + TIA1	9 ± 16	13 ± 31	22 ± 54	3 ± 4	3 ± 5
CCR6 + Vimentin	135 ± 167	65 ± 68	68 ± 64	146 ± 157	168 ± 198

Tabelle 188: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + BCL2	86 ± 137	30 ± 42	78 ± 66	45 ± 42	36 ± 39
CD11a + CCR6	38 ± 59	14 ± 38	21 ± 39	32 ± 45	24 ± 40
CD11a + CD11b	72 ± 161	55 ± 162	63 ± 159	61 ± 160	66 ± 160
CD11a + CD120a	27 ± 43	20 ± 40	24 ± 39	36 ± 44	24 ± 39
CD11a + CD120b	36 ± 70	11 ± 34	17 ± 33	19 ± 34	15 ± 34
CD11a + CD138	326 ± 571	108 ± 258	227 ± 273	157 ± 260	133 ± 251
CD11a + CD15	10 ± 20	1 ± 1	1 ± 1	2 ± 4	1 ± 1
CD11a + CD1a	50 ± 75	34 ± 70	41 ± 69	73 ± 126	42 ± 67
CD11a + CD2	402 ± 514	197 ± 386	387 ± 395	259 ± 366	248 ± 372
CD11a + CD207	58 ± 101	46 ± 104	54 ± 101	80 ± 135	48 ± 103
CD11a + CD24	9 ± 11	4 ± 9	5 ± 9	8 ± 13	4 ± 9
CD11a + CD28	149 ± 247	47 ± 105	83 ± 112	70 ± 101	59 ± 104
CD11a + CD29	278 ± 463	123 ± 292	284 ± 320	208 ± 304	139 ± 286
CD11a + CD3	411 ± 611	190 ± 409	351 ± 414	329 ± 424	245 ± 406
CD11a + CD31	1 ± 2	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD11a + CD4	149 ± 243	77 ± 164	113 ± 161	111 ± 173	91 ± 161
CD11a + CD44	533 ± 853	247 ± 528	485 ± 529	469 ± 582	307 ± 518
CD11a + CD45	306 ± 429	106 ± 215	318 ± 319	226 ± 262	138 ± 209
CD11a + CD45RA	100 ± 182	73 ± 181	92 ± 178	85 ± 178	75 ± 180
CD11a + CD45RO	200 ± 380	68 ± 192	179 ± 223	154 ± 224	107 ± 202
CD11a + CD52	34 ± 47	13 ± 33	29 ± 46	19 ± 32	22 ± 34
CD11a + CD54	213 ± 408	113 ± 338	169 ± 349	162 ± 334	119 ± 336
CD11a + CD56	9 ± 17	4 ± 13	8 ± 14	6 ± 13	6 ± 13
CD11a + CD58	384 ± 739	126 ± 324	150 ± 319	173 ± 321	169 ± 326
CD11a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + CD62P	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD68	119 ± 209	107 ± 214	137 ± 204	123 ± 207	113 ± 211
CD11a + CD7	251 ± 417	115 ± 287	298 ± 345	248 ± 362	144 ± 282
CD11a + CD8a	199 ± 264	101 ± 226	190 ± 223	145 ± 219	131 ± 222
CD11a + CK14	583 ± 789	288 ± 565	585 ± 572	532 ± 631	346 ± 547
CD11a + CLA	158 ± 228	131 ± 239	167 ± 225	196 ± 249	152 ± 233
CD11a + c-myc	194 ± 345	54 ± 99	121 ± 139	142 ± 181	69 ± 99
CD11a + Collagen IV	138 ± 321	29 ± 71	92 ± 122	88 ± 122	38 ± 70
CD11a + FXIIIA	4 ± 12	4 ± 12	4 ± 12	4 ± 12	4 ± 12
CD11a + HLA-DR	587 ± 998	231 ± 499	383 ± 496	400 ± 555	277 ± 492
CD11a + IL-22R	76 ± 103	53 ± 103	57 ± 101	56 ± 101	55 ± 101
CD11a + IL-23R	30 ± 70	6 ± 10	6 ± 9	12 ± 19	6 ± 9
CD11a + Ki67	14 ± 27	11 ± 27	16 ± 26	14 ± 27	11 ± 27
CD11a + PI	333 ± 457	143 ± 262	327 ± 306	258 ± 302	188 ± 253
CD11a + Podoplanin	91 ± 221	12 ± 35	18 ± 36	28 ± 54	13 ± 34
CD11a + SNA1	374 ± 869	67 ± 174	191 ± 221	139 ± 192	101 ± 183
CD11a + STAT3	66 ± 142	7 ± 11	8 ± 11	13 ± 14	10 ± 11
CD11a + TIA1	59 ± 106	18 ± 44	34 ± 45	24 ± 42	22 ± 43
CD11a + Vimentin	391 ± 599	202 ± 481	338 ± 461	315 ± 494	238 ± 471

Tabelle 189: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + BCL2	12 ± 16	9 ± 17	13 ± 16	9 ± 17	13 ± 16
CD11b + CCR6	7 ± 15	5 ± 14	5 ± 14	6 ± 14	5 ± 14
CD11b + CD11a	72 ± 161	55 ± 162	63 ± 159	61 ± 160	66 ± 160
CD11b + CD120a	22 ± 61	21 ± 61	21 ± 61	23 ± 61	26 ± 61
CD11b + CD120b	7 ± 15	5 ± 15	5 ± 15	5 ± 15	6 ± 15
CD11b + CD138	152 ± 345	120 ± 346	129 ± 343	160 ± 350	136 ± 340
CD11b + CD15	36 ± 104	1 ± 4	3 ± 5	167 ± 495	2 ± 4
CD11b + CD1a	24 ± 70	23 ± 70	23 ± 70	32 ± 71	28 ± 70
CD11b + CD2	38 ± 100	35 ± 101	36 ± 101	36 ± 101	39 ± 100
CD11b + CD207	4 ± 7	3 ± 7	3 ± 7	22 ± 55	4 ± 8
CD11b + CD24	23 ± 48	14 ± 43	15 ± 43	114 ± 295	14 ± 43
CD11b + CD28	8 ± 18	6 ± 18	6 ± 18	6 ± 18	8 ± 18
CD11b + CD29	113 ± 198	85 ± 206	91 ± 204	89 ± 204	92 ± 203
CD11b + CD3	36 ± 83	29 ± 85	30 ± 85	32 ± 84	39 ± 84
CD11b + CD31	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD11b + CD4	32 ± 80	29 ± 81	30 ± 80	30 ± 80	37 ± 80
CD11b + CD44	225 ± 515	187 ± 527	202 ± 521	220 ± 522	237 ± 515
CD11b + CD45	47 ± 80	28 ± 81	34 ± 80	30 ± 80	36 ± 81
CD11b + CD45RA	34 ± 82	28 ± 83	29 ± 83	31 ± 82	30 ± 83
CD11b + CD45RO	80 ± 156	42 ± 125	48 ± 123	86 ± 170	94 ± 150
CD11b + CD52	2 ± 7	2 ± 7	2 ± 7	3 ± 7	3 ± 7
CD11b + CD54	141 ± 370	125 ± 374	128 ± 373	128 ± 373	157 ± 369
CD11b + CD56	9 ± 23	8 ± 24	9 ± 23	8 ± 24	11 ± 24
CD11b + CD58	92 ± 197	66 ± 192	67 ± 192	72 ± 191	95 ± 190
CD11b + CD62E	2 ± 4	1 ± 3	1 ± 3	30 ± 86	1 ± 3
CD11b + CD62P	4 ± 8	2 ± 4	2 ± 4	17 ± 45	2 ± 4
CD11b + CD68	116 ± 286	110 ± 288	115 ± 286	116 ± 286	159 ± 296
CD11b + CD7	44 ± 100	34 ± 101	34 ± 101	44 ± 99	36 ± 101
CD11b + CD8a	15 ± 43	14 ± 43	15 ± 43	15 ± 43	16 ± 43
CD11b + CK14	321 ± 578	233 ± 597	258 ± 588	538 ± 1009	354 ± 602
CD11b + CLA	44 ± 84	29 ± 82	29 ± 82	55 ± 98	34 ± 81
CD11b + c-myc	166 ± 295	106 ± 305	117 ± 301	160 ± 324	159 ± 304
CD11b + Collagen IV	113 ± 249	87 ± 253	98 ± 249	101 ± 250	102 ± 250
CD11b + FXIIIA	8 ± 22	8 ± 23	9 ± 22	8 ± 23	9 ± 22
CD11b + HLA-DR	294 ± 584	218 ± 596	237 ± 589	224 ± 594	271 ± 583
CD11b + IL-22R	33 ± 86	31 ± 86	32 ± 86	31 ± 86	32 ± 86
CD11b + IL-23R	49 ± 123	8 ± 23	8 ± 23	120 ± 333	12 ± 23
CD11b + Ki67	5 ± 16	5 ± 16	5 ± 16	6 ± 16	6 ± 16
CD11b + PI	89 ± 145	65 ± 152	73 ± 149	100 ± 165	106 ± 159
CD11b + Podoplanin	22 ± 36	12 ± 36	13 ± 36	13 ± 36	14 ± 36
CD11b + SNA1	223 ± 387	121 ± 340	146 ± 333	180 ± 357	158 ± 333
CD11b + STAT3	67 ± 182	6 ± 13	6 ± 13	362 ± 1065	10 ± 14
CD11b + TIA1	33 ± 72	10 ± 30	11 ± 30	39 ± 87	11 ± 30
CD11b + Vimentin	235 ± 573	206 ± 583	225 ± 576	216 ± 579	279 ± 575

Tabelle 190: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 1	1 ± 2	0 ± 0	0 ± 0
CD120a + BCL2	30 ± 33	26 ± 33	29 ± 34	22 ± 34	35 ± 46
CD120a + CCR6	6 ± 5	7 ± 9	4 ± 4	7 ± 10	6 ± 6
CD120a + CD11a	27 ± 43	20 ± 40	24 ± 39	36 ± 44	24 ± 39
CD120a + CD11b	22 ± 61	21 ± 61	21 ± 61	23 ± 61	26 ± 61
CD120a + CD120b	2 ± 4	1 ± 2	2 ± 4	3 ± 5	1 ± 2
CD120a + CD138	225 ± 113	222 ± 151	206 ± 135	227 ± 150	206 ± 147
CD120a + CD15	5 ± 7	5 ± 7	5 ± 7	6 ± 7	7 ± 7
CD120a + CD1a	124 ± 71	177 ± 123	134 ± 92	168 ± 88	151 ± 63
CD120a + CD2	28 ± 45	26 ± 46	34 ± 46	29 ± 45	34 ± 44
CD120a + CD207	159 ± 95	185 ± 116	164 ± 92	187 ± 115	173 ± 106
CD120a + CD24	1 ± 1	1 ± 1	1 ± 1	4 ± 9	1 ± 1
CD120a + CD28	10 ± 16	7 ± 16	8 ± 15	14 ± 24	8 ± 15
CD120a + CD29	82 ± 69	98 ± 103	85 ± 82	79 ± 69	78 ± 79
CD120a + CD3	16 ± 27	14 ± 27	16 ± 27	26 ± 34	20 ± 26
CD120a + CD31	0 ± 0	0 ± 1	1 ± 2	1 ± 1	0 ± 0
CD120a + CD4	15 ± 24	11 ± 23	12 ± 22	18 ± 29	15 ± 22
CD120a + CD44	175 ± 116	219 ± 157	172 ± 119	273 ± 154	193 ± 107
CD120a + CD45	42 ± 40	33 ± 43	43 ± 52	47 ± 47	50 ± 63
CD120a + CD45RA	3 ± 5	2 ± 5	2 ± 5	3 ± 5	3 ± 5
CD120a + CD45RO	17 ± 33	14 ± 34	27 ± 41	31 ± 46	20 ± 33
CD120a + CD52	1 ± 1	1 ± 1	0 ± 1	0 ± 0	2 ± 3
CD120a + CD54	54 ± 110	36 ± 109	46 ± 109	57 ± 111	41 ± 108
CD120a + CD56	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD58	128 ± 133	150 ± 150	126 ± 141	143 ± 127	129 ± 123
CD120a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD68	105 ± 100	117 ± 93	100 ± 99	117 ± 91	116 ± 97
CD120a + CD7	9 ± 11	6 ± 10	9 ± 11	11 ± 12	12 ± 16
CD120a + CD8a	9 ± 23	8 ± 23	9 ± 23	10 ± 23	11 ± 23
CD120a + CK14	295 ± 124	336 ± 219	283 ± 141	375 ± 145	309 ± 193
CD120a + CLA	82 ± 71	44 ± 73	59 ± 69	62 ± 71	50 ± 69
CD120a + c-myc	72 ± 52	114 ± 70	57 ± 60	83 ± 66	72 ± 52
CD120a + Collagen IV	13 ± 24	5 ± 7	5 ± 6	17 ± 35	15 ± 21
CD120a + FXIIIA	0 ± 1	1 ± 2	1 ± 1	1 ± 2	1 ± 1
CD120a + HLA-DR	254 ± 106	285 ± 184	197 ± 121	264 ± 79	243 ± 119
CD120a + IL-22R	138 ± 103	159 ± 133	116 ± 115	142 ± 119	151 ± 112
CD120a + IL-23R	68 ± 59	138 ± 242	64 ± 60	97 ± 73	72 ± 65
CD120a + Ki67	18 ± 19	18 ± 20	17 ± 20	19 ± 20	18 ± 20
CD120a + PI	109 ± 51	134 ± 69	112 ± 60	128 ± 57	140 ± 97
CD120a + Podoplanin	9 ± 16	5 ± 13	6 ± 13	6 ± 13	5 ± 13
CD120a + SNA1	52 ± 61	47 ± 40	32 ± 23	59 ± 44	48 ± 26
CD120a + STAT3	77 ± 92	112 ± 144	63 ± 99	76 ± 95	79 ± 99
CD120a + TIA1	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + Vimentin	206 ± 121	209 ± 120	202 ± 116	227 ± 114	192 ± 104

Tabelle 191: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + BCL2	9 ± 14	3 ± 5	5 ± 6	6 ± 7	4 ± 5
CD120b + CCR6	6 ± 10	2 ± 3	1 ± 3	4 ± 6	2 ± 4
CD120b + CD11a	36 ± 70	11 ± 34	17 ± 33	19 ± 34	15 ± 34
CD120b + CD11b	7 ± 15	5 ± 15	5 ± 15	5 ± 15	6 ± 15
CD120b + CD120a	2 ± 4	1 ± 2	2 ± 4	3 ± 5	1 ± 2
CD120b + CD138	23 ± 40	11 ± 15	19 ± 20	9 ± 16	11 ± 15
CD120b + CD15	5 ± 14	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD1a	7 ± 11	3 ± 6	4 ± 6	3 ± 6	3 ± 6
CD120b + CD2	27 ± 47	12 ± 34	15 ± 33	15 ± 34	16 ± 34
CD120b + CD207	5 ± 8	2 ± 3	3 ± 3	2 ± 3	2 ± 3
CD120b + CD24	26 ± 50	7 ± 21	12 ± 23	8 ± 20	9 ± 21
CD120b + CD28	28 ± 53	6 ± 16	10 ± 16	9 ± 18	10 ± 19
CD120b + CD29	57 ± 91	11 ± 25	24 ± 35	18 ± 26	13 ± 25
CD120b + CD3	44 ± 74	15 ± 44	29 ± 46	29 ± 50	26 ± 45
CD120b + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD4	24 ± 50	9 ± 25	12 ± 25	13 ± 27	14 ± 27
CD120b + CD44	80 ± 128	20 ± 49	42 ± 64	33 ± 55	30 ± 50
CD120b + CD45	33 ± 52	8 ± 22	12 ± 22	12 ± 23	11 ± 23
CD120b + CD45RA	11 ± 16	3 ± 9	4 ± 9	3 ± 9	4 ± 9
CD120b + CD45RO	23 ± 44	11 ± 32	15 ± 31	16 ± 33	16 ± 32
CD120b + CD52	5 ± 8	2 ± 5	3 ± 6	2 ± 5	2 ± 5
CD120b + CD54	34 ± 51	11 ± 32	11 ± 32	13 ± 32	13 ± 32
CD120b + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120b + CD58	32 ± 66	9 ± 20	11 ± 20	11 ± 20	16 ± 21
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	14 ± 26	10 ± 26	11 ± 26	10 ± 26	10 ± 26
CD120b + CD7	41 ± 70	15 ± 46	28 ± 46	28 ± 49	24 ± 46
CD120b + CD8a	8 ± 12	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD120b + CK14	50 ± 71	23 ± 44	39 ± 48	30 ± 44	32 ± 45
CD120b + CLA	9 ± 16	5 ± 14	7 ± 14	9 ± 15	8 ± 14
CD120b + c-myc	40 ± 62	13 ± 21	17 ± 24	13 ± 21	19 ± 24
CD120b + Collagen IV	35 ± 72	7 ± 20	12 ± 21	8 ± 20	10 ± 20
CD120b + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + HLA-DR	72 ± 129	14 ± 35	22 ± 36	19 ± 34	20 ± 36
CD120b + IL-22R	5 ± 7	6 ± 6	6 ± 6	4 ± 6	4 ± 6
CD120b + IL-23R	4 ± 10	1 ± 2	2 ± 3	2 ± 4	1 ± 2
CD120b + Ki67	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD120b + PI	37 ± 50	9 ± 20	19 ± 25	12 ± 20	15 ± 21
CD120b + Podoplanin	7 ± 18	1 ± 2	1 ± 2	3 ± 8	1 ± 2
CD120b + SNA1	70 ± 132	11 ± 30	25 ± 37	14 ± 30	17 ± 31
CD120b + STAT3	10 ± 17	4 ± 4	2 ± 4	2 ± 4	2 ± 4
CD120b + TIA1	4 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD120b + Vimentin	35 ± 60	15 ± 44	22 ± 43	20 ± 43	24 ± 44

Tabelle 192: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	3 ± 4	694 ± 2074	69 ± 199	4 ± 6	5 ± 9
CD138 + BCL2	5846 ± 8543	1903 ± 2845	3168 ± 3101	1687 ± 2898	2019 ± 2897
CD138 + CCR6	227 ± 308	331 ± 398	212 ± 270	138 ± 143	342 ± 672
CD138 + CD11a	326 ± 571	108 ± 258	227 ± 273	157 ± 260	133 ± 251
CD138 + CD11b	152 ± 345	120 ± 346	129 ± 343	160 ± 350	136 ± 340
CD138 + CD120a	225 ± 113	222 ± 151	206 ± 135	227 ± 150	206 ± 147
CD138 + CD120b	23 ± 40	11 ± 15	19 ± 20	9 ± 16	11 ± 15
CD138 + CD15	36 ± 32	38 ± 34	20 ± 30	33 ± 42	26 ± 28
CD138 + CD1a	811 ± 389	747 ± 449	790 ± 851	875 ± 466	1351 ± 1491
CD138 + CD2	560 ± 904	133 ± 309	342 ± 367	202 ± 303	276 ± 305
CD138 + CD207	1005 ± 595	863 ± 524	885 ± 404	878 ± 352	1066 ± 654
CD138 + CD24	128 ± 352	124 ± 353	126 ± 352	128 ± 352	175 ± 354
CD138 + CD28	113 ± 219	22 ± 45	39 ± 48	27 ± 45	35 ± 55
CD138 + CD29	12731 ± 15460	5175 ± 4311	7291 ± 5252	4866 ± 4309	6245 ± 4304
CD138 + CD3	435 ± 813	111 ± 266	288 ± 359	190 ± 281	209 ± 328
CD138 + CD31	0 ± 1	9 ± 23	60 ± 179	5 ± 14	0 ± 1
CD138 + CD4	51 ± 88	24 ± 51	34 ± 48	25 ± 51	30 ± 50
CD138 + CD44	20887 ± 23652	9167 ± 8843	17037 ± 13535	13297 ± 9541	16332 ± 15307
CD138 + CD45	272 ± 396	52 ± 85	180 ± 178	91 ± 97	174 ± 320
CD138 + CD45RA	74 ± 129	42 ± 111	55 ± 108	45 ± 109	44 ± 110
CD138 + CD45RO	192 ± 406	42 ± 119	124 ± 170	105 ± 155	156 ± 269
CD138 + CD52	44 ± 50	24 ± 40	14 ± 21	10 ± 21	18 ± 23
CD138 + CD54	1051 ± 2089	340 ± 995	455 ± 1008	363 ± 988	376 ± 985
CD138 + CD56	16 ± 21	175 ± 396	78 ± 172	16 ± 20	28 ± 41
CD138 + CD58	17224 ± 27902	6095 ± 6974	7499 ± 8005	6553 ± 6734	8849 ± 8952
CD138 + CD62E	14 ± 16	17 ± 27	9 ± 13	6 ± 13	7 ± 13
CD138 + CD62P	19 ± 33	19 ± 33	8 ± 23	12 ± 25	13 ± 25
CD138 + CD68	574 ± 544	662 ± 502	524 ± 512	555 ± 551	611 ± 582
CD138 + CD7	267 ± 525	85 ± 233	296 ± 355	208 ± 282	132 ± 228
CD138 + CD8a	241 ± 370	90 ± 247	156 ± 256	120 ± 242	151 ± 252
CD138 + CK14	58058 ± 53785	22549 ± 19493	39162 ± 28405	30098 ± 20268	35738 ± 28116
CD138 + CLA	584 ± 453	255 ± 453	392 ± 443	339 ± 438	408 ± 480
CD138 + c-myc	9839 ± 5541	9486 ± 5524	5242 ± 4296	5455 ± 4214	5722 ± 4215
CD138 + Collagen IV	664 ± 1573	236 ± 316	386 ± 417	243 ± 300	209 ± 241
CD138 + FXIIIA	8 ± 10	11 ± 10	25 ± 54	4 ± 7	28 ± 65
CD138 + HLA-DR	12014 ± 17703	4556 ± 4685	5290 ± 6519	4257 ± 4952	5220 ± 6020
CD138 + IL-22R	10673 ± 5804	6538 ± 5726	7067 ± 5681	6740 ± 5833	6525 ± 5813
CD138 + IL-23R	3575 ± 3647	3127 ± 4015	1749 ± 2239	2688 ± 2206	2340 ± 2015
CD138 + Ki67	2449 ± 2624	755 ± 901	1661 ± 1611	779 ± 923	1050 ± 1315
CD138 + PI	12831 ± 10903	5898 ± 2998	8624 ± 5787	5751 ± 3031	9521 ± 8039
CD138 + Podoplanin	3860 ± 8215	816 ± 1385	728 ± 1224	988 ± 1894	466 ± 1187
CD138 + SNA1	5085 ± 13166	554 ± 701	1141 ± 1581	474 ± 712	966 ± 1387
CD138 + STAT3	14645 ± 12492	8300 ± 5562	5892 ± 6305	8086 ± 6312	8191 ± 5605
CD138 + TIA1	39 ± 67	23 ± 40	47 ± 68	17 ± 24	16 ± 24
CD138 + Vimentin	3462 ± 3213	1513 ± 1584	2214 ± 1822	1789 ± 1540	2039 ± 1822

Tabelle 193: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	36 ± 45	27 ± 45	25 ± 46	25 ± 46	42 ± 44
CD15 + CCR6	3 ± 8	12 ± 25	3 ± 8	3 ± 8	5 ± 8
CD15 + CD11a	10 ± 20	1 ± 1	1 ± 1	2 ± 4	1 ± 1
CD15 + CD11b	36 ± 104	1 ± 4	3 ± 5	167 ± 495	2 ± 4
CD15 + CD120a	5 ± 7	5 ± 7	5 ± 7	6 ± 7	7 ± 7
CD15 + CD120b	5 ± 14	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD138	36 ± 32	38 ± 34	20 ± 30	33 ± 42	26 ± 28
CD15 + CD1a	11 ± 12	10 ± 11	7 ± 10	8 ± 10	12 ± 11
CD15 + CD2	6 ± 9	4 ± 8	4 ± 8	4 ± 8	5 ± 8
CD15 + CD207	11 ± 14	10 ± 13	8 ± 13	15 ± 19	13 ± 13
CD15 + CD24	13 ± 25	0 ± 1	2 ± 4	64 ± 189	0 ± 1
CD15 + CD28	4 ± 8	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + CD29	48 ± 61	14 ± 13	12 ± 15	16 ± 13	15 ± 13
CD15 + CD3	5 ± 8	0 ± 0	0 ± 0	0 ± 1	1 ± 1
CD15 + CD31	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD15 + CD44	51 ± 45	30 ± 35	23 ± 37	43 ± 56	30 ± 35
CD15 + CD45	9 ± 11	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD15 + CD45RA	3 ± 5	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD15 + CD45RO	15 ± 42	0 ± 0	1 ± 2	19 ± 55	1 ± 3
CD15 + CD52	2 ± 5	8 ± 24	0 ± 0	0 ± 0	0 ± 1
CD15 + CD54	8 ± 15	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD15 + CD56	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD15 + CD58	20 ± 20	14 ± 16	11 ± 17	13 ± 17	13 ± 16
CD15 + CD62E	1 ± 2	1 ± 2	1 ± 2	8 ± 22	2 ± 4
CD15 + CD62P	4 ± 9	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD15 + CD68	26 ± 43	20 ± 40	19 ± 41	21 ± 40	27 ± 41
CD15 + CD7	5 ± 7	1 ± 2	1 ± 2	5 ± 11	1 ± 3
CD15 + CD8a	3 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD15 + CK14	80 ± 81	52 ± 49	38 ± 52	143 ± 294	68 ± 58
CD15 + CLA	21 ± 31	9 ± 15	8 ± 15	29 ± 61	11 ± 14
CD15 + c-myc	70 ± 69	40 ± 41	25 ± 38	68 ± 115	49 ± 64
CD15 + Collagen IV	32 ± 55	6 ± 14	7 ± 14	22 ± 37	8 ± 14
CD15 + FXIIIA	0 ± 1	1 ± 2	1 ± 2	0 ± 1	6 ± 18
CD15 + HLA-DR	53 ± 64	18 ± 21	13 ± 21	19 ± 20	21 ± 20
CD15 + IL-22R	25 ± 37	30 ± 44	20 ± 38	20 ± 38	41 ± 63
CD15 + IL-23R	25 ± 34	10 ± 15	10 ± 15	79 ± 203	32 ± 61
CD15 + Ki67	1 ± 3	0 ± 1	0 ± 0	0 ± 0	0 ± 1
CD15 + PI	19 ± 17	14 ± 17	9 ± 16	23 ± 36	13 ± 16
CD15 + Podoplanin	4 ± 7	3 ± 8	0 ± 0	1 ± 2	0 ± 0
CD15 + SNA1	75 ± 136	11 ± 13	11 ± 13	58 ± 131	15 ± 13
CD15 + STAT3	30 ± 38	17 ± 16	11 ± 17	146 ± 400	32 ± 59
CD15 + TIA1	19 ± 48	3 ± 6	3 ± 7	27 ± 74	3 ± 6
CD15 + Vimentin	46 ± 77	29 ± 64	27 ± 65	32 ± 64	43 ± 65

Tabelle 194: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + BCL2	65 ± 76	50 ± 74	60 ± 92	36 ± 68	75 ± 85
CD1a + CCR6	10 ± 10	28 ± 59	21 ± 48	13 ± 13	21 ± 29
CD1a + CD11a	50 ± 75	34 ± 70	41 ± 69	73 ± 126	42 ± 67
CD1a + CD11b	24 ± 70	23 ± 70	23 ± 70	32 ± 71	28 ± 70
CD1a + CD120a	124 ± 71	177 ± 123	134 ± 92	168 ± 88	151 ± 63
CD1a + CD120b	7 ± 11	3 ± 6	4 ± 6	3 ± 6	3 ± 6
CD1a + CD138	811 ± 389	747 ± 449	790 ± 851	875 ± 466	1351 ± 1491
CD1a + CD15	11 ± 12	10 ± 11	7 ± 10	8 ± 10	12 ± 11
CD1a + CD2	68 ± 93	42 ± 79	55 ± 79	59 ± 78	80 ± 73
CD1a + CD207	505 ± 209	555 ± 398	405 ± 216	664 ± 283	912 ± 779
CD1a + CD24	3 ± 6	3 ± 6	3 ± 6	3 ± 6	9 ± 17
CD1a + CD28	32 ± 52	15 ± 30	16 ± 30	19 ± 31	16 ± 30
CD1a + CD29	236 ± 231	222 ± 230	195 ± 239	156 ± 186	346 ± 373
CD1a + CD3	58 ± 87	37 ± 76	41 ± 75	60 ± 85	72 ± 85
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	37 ± 58	20 ± 40	23 ± 39	21 ± 39	23 ± 39
CD1a + CD44	468 ± 249	573 ± 408	455 ± 374	701 ± 427	1138 ± 1229
CD1a + CD45	78 ± 66	49 ± 60	67 ± 76	90 ± 126	136 ± 249
CD1a + CD45RA	6 ± 16	6 ± 17	6 ± 17	6 ± 16	6 ± 16
CD1a + CD45RO	48 ± 92	28 ± 81	34 ± 80	61 ± 116	93 ± 157
CD1a + CD52	2 ± 3	2 ± 4	1 ± 3	1 ± 2	4 ± 3
CD1a + CD54	127 ± 274	91 ± 266	95 ± 265	108 ± 266	97 ± 265
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	514 ± 404	502 ± 437	603 ± 788	500 ± 347	991 ± 1043
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	174 ± 211	214 ± 206	166 ± 217	198 ± 204	238 ± 231
CD1a + CD7	58 ± 105	30 ± 78	41 ± 79	63 ± 103	44 ± 80
CD1a + CD8a	13 ± 34	12 ± 35	15 ± 34	21 ± 40	22 ± 35
CD1a + CK14	879 ± 376	873 ± 537	829 ± 790	1096 ± 558	1716 ± 1776
CD1a + CLA	164 ± 154	73 ± 142	94 ± 135	142 ± 209	146 ± 182
CD1a + c-myc	241 ± 205	518 ± 483	191 ± 234	260 ± 282	275 ± 216
CD1a + Collagen IV	9 ± 19	5 ± 10	8 ± 19	3 ± 7	5 ± 8
CD1a + FXIIIA	0 ± 0	1 ± 2	0 ± 0	0 ± 0	1 ± 2
CD1a + HLA-DR	632 ± 303	654 ± 424	415 ± 308	650 ± 434	1020 ± 1076
CD1a + IL-22R	326 ± 232	398 ± 286	251 ± 285	386 ± 325	333 ± 253
CD1a + IL-23R	187 ± 207	290 ± 489	131 ± 213	183 ± 203	195 ± 202
CD1a + Ki67	27 ± 45	21 ± 46	30 ± 49	23 ± 46	33 ± 54
CD1a + PI	181 ± 91	207 ± 164	160 ± 152	219 ± 124	466 ± 527
CD1a + Podoplanin	28 ± 61	7 ± 20	7 ± 20	10 ± 21	8 ± 20
CD1a + SNA1	81 ± 116	76 ± 89	56 ± 70	61 ± 67	202 ± 342
CD1a + STAT3	409 ± 357	480 ± 454	251 ± 359	374 ± 321	427 ± 380
CD1a + TIA1	0 ± 0	0 ± 0	1 ± 3	0 ± 0	3 ± 6
CD1a + Vimentin	435 ± 253	376 ± 282	358 ± 305	495 ± 290	749 ± 622

Tabelle 195: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + BCL2	152 ± 216	45 ± 56	113 ± 86	59 ± 49	92 ± 69
CD2 + CCR6	50 ± 70	18 ± 42	30 ± 46	47 ± 56	41 ± 47
CD2 + CD11a	402 ± 514	197 ± 386	387 ± 395	259 ± 366	248 ± 372
CD2 + CD11b	38 ± 100	35 ± 101	36 ± 101	36 ± 101	39 ± 100
CD2 + CD120a	28 ± 45	26 ± 46	34 ± 46	29 ± 45	34 ± 44
CD2 + CD120b	27 ± 47	12 ± 34	15 ± 33	15 ± 34	16 ± 34
CD2 + CD138	560 ± 904	133 ± 309	342 ± 367	202 ± 303	276 ± 305
CD2 + CD15	6 ± 9	4 ± 8	4 ± 8	4 ± 8	5 ± 8
CD2 + CD1a	68 ± 93	42 ± 79	55 ± 79	59 ± 78	80 ± 73
CD2 + CD207	79 ± 96	49 ± 97	67 ± 91	66 ± 95	75 ± 88
CD2 + CD24	6 ± 15	5 ± 15	5 ± 15	5 ± 15	6 ± 15
CD2 + CD28	143 ± 218	46 ± 103	72 ± 104	56 ± 99	61 ± 103
CD2 + CD29	395 ± 547	137 ± 297	370 ± 418	182 ± 284	211 ± 275
CD2 + CD3	496 ± 708	207 ± 434	356 ± 422	328 ± 445	345 ± 448
CD2 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + CD4	108 ± 164	65 ± 131	83 ± 125	78 ± 127	77 ± 126
CD2 + CD44	536 ± 760	247 ± 502	488 ± 513	392 ± 507	443 ± 505
CD2 + CD45	327 ± 409	93 ± 178	272 ± 267	140 ± 166	156 ± 183
CD2 + CD45RA	61 ± 89	45 ± 87	57 ± 84	46 ± 87	45 ± 87
CD2 + CD45RO	240 ± 432	70 ± 199	206 ± 244	145 ± 214	168 ± 242
CD2 + CD52	44 ± 59	14 ± 34	27 ± 41	18 ± 33	31 ± 42
CD2 + CD54	157 ± 300	86 ± 257	161 ± 314	92 ± 255	91 ± 255
CD2 + CD56	15 ± 25	7 ± 21	13 ± 25	9 ± 21	9 ± 21
CD2 + CD58	441 ± 796	132 ± 327	167 ± 324	156 ± 321	238 ± 345
CD2 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD62P	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD68	164 ± 246	151 ± 255	214 ± 253	166 ± 245	192 ± 237
CD2 + CD7	253 ± 390	105 ± 240	324 ± 375	181 ± 232	177 ± 236
CD2 + CD8a	292 ± 351	139 ± 303	233 ± 291	179 ± 292	242 ± 312
CD2 + CK14	900 ± 1018	360 ± 643	775 ± 714	563 ± 616	637 ± 573
CD2 + CLA	225 ± 255	161 ± 272	226 ± 257	207 ± 251	250 ± 261
CD2 + c-myc	154 ± 173	51 ± 74	94 ± 72	68 ± 70	74 ± 65
CD2 + Collagen IV	65 ± 114	24 ± 43	72 ± 81	36 ± 40	39 ± 40
CD2 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	5 ± 11
CD2 + HLA-DR	536 ± 798	217 ± 456	328 ± 447	269 ± 438	338 ± 451
CD2 + IL-22R	96 ± 104	55 ± 98	63 ± 94	59 ± 96	67 ± 93
CD2 + IL-23R	41 ± 76	15 ± 30	16 ± 29	24 ± 31	22 ± 27
CD2 + Ki67	20 ± 29	13 ± 29	23 ± 29	16 ± 28	19 ± 27
CD2 + PI	496 ± 525	192 ± 315	450 ± 391	274 ± 282	399 ± 314
CD2 + Podoplanin	98 ± 207	14 ± 43	21 ± 44	27 ± 53	15 ± 43
CD2 + SNA1	341 ± 731	72 ± 165	164 ± 179	107 ± 161	165 ± 210
CD2 + STAT3	102 ± 186	12 ± 24	13 ± 23	31 ± 45	44 ± 59
CD2 + TIA1	64 ± 85	28 ± 64	54 ± 69	34 ± 62	38 ± 61
CD2 + Vimentin	616 ± 794	289 ± 648	547 ± 646	381 ± 617	482 ± 608

Tabelle 196: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 1	1 ± 2	1 ± 2	0 ± 1	0 ± 1
CD207 + BCL2	119 ± 176	87 ± 171	100 ± 167	81 ± 174	117 ± 175
CD207 + CCR6	17 ± 19	41 ± 88	7 ± 8	13 ± 15	26 ± 38
CD207 + CD11a	58 ± 101	46 ± 104	54 ± 101	80 ± 135	48 ± 103
CD207 + CD11b	4 ± 7	3 ± 7	3 ± 7	22 ± 55	4 ± 8
CD207 + CD120a	159 ± 95	185 ± 116	164 ± 92	187 ± 115	173 ± 106
CD207 + CD120b	5 ± 8	2 ± 3	3 ± 3	2 ± 3	2 ± 3
CD207 + CD138	1005 ± 595	863 ± 524	885 ± 404	878 ± 352	1066 ± 654
CD207 + CD15	11 ± 14	10 ± 13	8 ± 13	15 ± 19	13 ± 13
CD207 + CD1a	505 ± 209	555 ± 398	405 ± 216	664 ± 283	912 ± 779
CD207 + CD2	79 ± 96	49 ± 97	67 ± 91	66 ± 95	75 ± 88
CD207 + CD24	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + CD28	28 ± 38	16 ± 33	18 ± 32	18 ± 32	17 ± 33
CD207 + CD29	307 ± 355	296 ± 336	295 ± 318	269 ± 319	368 ± 371
CD207 + CD3	48 ± 65	35 ± 68	44 ± 65	58 ± 72	58 ± 64
CD207 + CD31	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD4	36 ± 55	25 ± 50	27 ± 49	26 ± 49	27 ± 49
CD207 + CD44	532 ± 282	683 ± 377	582 ± 269	783 ± 301	931 ± 541
CD207 + CD45	88 ± 89	52 ± 82	68 ± 78	78 ± 106	111 ± 186
CD207 + CD45RA	4 ± 11	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD207 + CD45RO	28 ± 45	13 ± 28	32 ± 40	38 ± 64	48 ± 77
CD207 + CD52	2 ± 4	1 ± 1	0 ± 1	1 ± 2	2 ± 2
CD207 + CD54	63 ± 112	34 ± 98	45 ± 98	47 ± 102	37 ± 98
CD207 + CD56	0 ± 0	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD207 + CD58	429 ± 433	420 ± 435	393 ± 462	464 ± 411	646 ± 519
CD207 + CD62E	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	217 ± 215	285 ± 203	196 ± 221	213 ± 212	254 ± 227
CD207 + CD7	34 ± 50	18 ± 35	31 ± 40	54 ± 81	30 ± 40
CD207 + CD8a	6 ± 8	4 ± 8	5 ± 8	13 ± 24	8 ± 11
CD207 + CK14	1123 ± 520	1113 ± 594	1119 ± 483	1320 ± 559	1511 ± 774
CD207 + CLA	253 ± 213	110 ± 201	170 ± 215	178 ± 235	170 ± 202
CD207 + c-myc	318 ± 307	708 ± 697	330 ± 351	315 ± 331	337 ± 309
CD207 + Collagen IV	3 ± 5	2 ± 2	6 ± 8	7 ± 10	4 ± 10
CD207 + FXIIIA	0 ± 0	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	860 ± 293	897 ± 488	751 ± 485	810 ± 303	1001 ± 455
CD207 + IL-22R	478 ± 392	547 ± 445	387 ± 436	456 ± 431	446 ± 413
CD207 + IL-23R	174 ± 203	192 ± 236	134 ± 204	182 ± 195	175 ± 202
CD207 + Ki67	50 ± 38	42 ± 33	50 ± 31	41 ± 37	52 ± 68
CD207 + PI	345 ± 144	389 ± 302	318 ± 111	360 ± 125	526 ± 258
CD207 + Podoplanin	9 ± 16	4 ± 5	4 ± 5	23 ± 61	3 ± 5
CD207 + SNA1	60 ± 63	67 ± 54	63 ± 82	63 ± 45	125 ± 168
CD207 + STAT3	470 ± 507	471 ± 490	345 ± 465	413 ± 423	396 ± 417
CD207 + TIA1	0 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 4
CD207 + Vimentin	580 ± 236	511 ± 112	572 ± 197	561 ± 187	762 ± 359

Tabelle 197: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	3 ± 6	2 ± 3	2 ± 3	2 ± 3	4 ± 6
CD24 + CCR6	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 2
CD24 + CD11a	9 ± 11	4 ± 9	5 ± 9	8 ± 13	4 ± 9
CD24 + CD11b	23 ± 48	14 ± 43	15 ± 43	114 ± 295	14 ± 43
CD24 + CD120a	1 ± 1	1 ± 1	1 ± 1	4 ± 9	1 ± 1
CD24 + CD120b	26 ± 50	7 ± 21	12 ± 23	8 ± 20	9 ± 21
CD24 + CD138	128 ± 352	124 ± 353	126 ± 352	128 ± 352	175 ± 354
CD24 + CD15	13 ± 25	0 ± 1	2 ± 4	64 ± 189	0 ± 1
CD24 + CD1a	3 ± 6	3 ± 6	3 ± 6	3 ± 6	9 ± 17
CD24 + CD2	6 ± 15	5 ± 15	5 ± 15	5 ± 15	6 ± 15
CD24 + CD207	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD24 + CD28	6 ± 13	2 ± 3	2 ± 3	4 ± 8	2 ± 3
CD24 + CD29	84 ± 171	59 ± 170	64 ± 169	66 ± 168	107 ± 184
CD24 + CD3	12 ± 24	6 ± 18	8 ± 18	9 ± 19	7 ± 18
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	4 ± 13	4 ± 13	4 ± 13	7 ± 15	4 ± 13
CD24 + CD44	127 ± 286	98 ± 289	106 ± 287	114 ± 285	156 ± 295
CD24 + CD45	12 ± 25	3 ± 9	4 ± 9	6 ± 12	3 ± 9
CD24 + CD45RA	9 ± 16	4 ± 11	5 ± 11	5 ± 11	5 ± 11
CD24 + CD45RO	12 ± 22	6 ± 19	7 ± 19	23 ± 51	8 ± 19
CD24 + CD52	3 ± 6	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD24 + CD54	52 ± 123	41 ± 124	42 ± 124	44 ± 123	42 ± 124
CD24 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD58	15 ± 31	13 ± 31	14 ± 31	16 ± 31	23 ± 34
CD24 + CD62E	1 ± 3	0 ± 0	0 ± 0	6 ± 18	0 ± 0
CD24 + CD62P	4 ± 7	0 ± 1	0 ± 1	3 ± 9	3 ± 7
CD24 + CD68	10 ± 29	10 ± 29	10 ± 29	11 ± 29	11 ± 29
CD24 + CD7	7 ± 14	3 ± 8	4 ± 9	4 ± 9	3 ± 8
CD24 + CD8a	5 ± 10	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD24 + CK14	141 ± 318	115 ± 322	120 ± 321	174 ± 336	176 ± 328
CD24 + CLA	3 ± 6	2 ± 5	2 ± 5	17 ± 45	4 ± 7
CD24 + c-myc	34 ± 46	12 ± 21	12 ± 21	28 ± 49	14 ± 22
CD24 + Collagen IV	13 ± 21	6 ± 18	8 ± 18	12 ± 20	7 ± 18
CD24 + FXIIIA	1 ± 3	1 ± 3	2 ± 3	1 ± 3	1 ± 3
CD24 + HLA-DR	74 ± 140	50 ± 138	52 ± 137	55 ± 137	76 ± 143
CD24 + IL-22R	18 ± 39	14 ± 39	15 ± 39	15 ± 39	14 ± 39
CD24 + IL-23R	19 ± 48	3 ± 5	3 ± 5	45 ± 125	3 ± 5
CD24 + Ki67	13 ± 34	12 ± 34	12 ± 34	16 ± 35	18 ± 38
CD24 + PI	31 ± 58	15 ± 36	18 ± 36	28 ± 40	54 ± 108
CD24 + Podoplanin	49 ± 143	48 ± 143	48 ± 143	49 ± 143	50 ± 142
CD24 + SNA1	41 ± 63	12 ± 35	17 ± 35	40 ± 78	42 ± 84
CD24 + STAT3	26 ± 65	3 ± 6	3 ± 6	86 ± 246	3 ± 6
CD24 + TIA1	4 ± 11	0 ± 1	1 ± 3	17 ± 49	0 ± 1
CD24 + Vimentin	23 ± 60	21 ± 61	21 ± 61	24 ± 60	30 ± 61

Tabelle 198: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + BCL2	32 ± 53	7 ± 14	16 ± 19	9 ± 14	8 ± 14
CD28 + CCR6	22 ± 41	6 ± 16	8 ± 17	10 ± 17	10 ± 17
CD28 + CD11a	149 ± 247	47 ± 105	83 ± 112	70 ± 101	59 ± 104
CD28 + CD11b	8 ± 18	6 ± 18	6 ± 18	6 ± 18	8 ± 18
CD28 + CD120a	10 ± 16	7 ± 16	8 ± 15	14 ± 24	8 ± 15
CD28 + CD120b	28 ± 53	6 ± 16	10 ± 16	9 ± 18	10 ± 19
CD28 + CD138	113 ± 219	22 ± 45	39 ± 48	27 ± 45	35 ± 55
CD28 + CD15	4 ± 8	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD28 + CD1a	32 ± 52	15 ± 30	16 ± 30	19 ± 31	16 ± 30
CD28 + CD2	143 ± 218	46 ± 103	72 ± 104	56 ± 99	61 ± 103
CD28 + CD207	28 ± 38	16 ± 33	18 ± 32	18 ± 32	17 ± 33
CD28 + CD24	6 ± 13	2 ± 3	2 ± 3	4 ± 8	2 ± 3
CD28 + CD29	88 ± 140	27 ± 64	51 ± 70	36 ± 63	30 ± 63
CD28 + CD3	180 ± 331	51 ± 116	97 ± 135	81 ± 115	81 ± 128
CD28 + CD31	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD4	87 ± 167	32 ± 71	50 ± 79	48 ± 75	45 ± 73
CD28 + CD44	164 ± 289	52 ± 107	94 ± 119	82 ± 105	81 ± 119
CD28 + CD45	130 ± 191	32 ± 67	73 ± 95	54 ± 65	43 ± 68
CD28 + CD45RA	7 ± 11	4 ± 10	5 ± 10	4 ± 10	4 ± 10
CD28 + CD45RO	88 ± 163	28 ± 78	55 ± 87	41 ± 75	49 ± 88
CD28 + CD52	15 ± 18	6 ± 13	12 ± 21	7 ± 13	8 ± 13
CD28 + CD54	69 ± 117	26 ± 79	29 ± 78	39 ± 81	30 ± 78
CD28 + CD56	0 ± 0	0 ± 0	1 ± 2	2 ± 6	0 ± 0
CD28 + CD58	135 ± 276	28 ± 66	31 ± 65	37 ± 66	48 ± 80
CD28 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 3
CD28 + CD68	32 ± 53	27 ± 54	30 ± 53	29 ± 53	28 ± 54
CD28 + CD7	101 ± 185	31 ± 80	65 ± 90	47 ± 77	45 ± 83
CD28 + CD8a	44 ± 76	9 ± 21	22 ± 36	11 ± 21	13 ± 23
CD28 + CK14	172 ± 261	58 ± 110	105 ± 125	79 ± 103	84 ± 118
CD28 + CLA	29 ± 40	21 ± 40	25 ± 39	24 ± 39	25 ± 40
CD28 + c-myc	52 ± 71	11 ± 19	23 ± 31	19 ± 20	20 ± 26
CD28 + Collagen IV	33 ± 72	5 ± 9	16 ± 27	10 ± 10	10 ± 16
CD28 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD28 + HLA-DR	160 ± 282	46 ± 90	65 ± 88	65 ± 85	68 ± 98
CD28 + IL-22R	24 ± 30	12 ± 23	14 ± 23	13 ± 23	12 ± 23
CD28 + IL-23R	13 ± 33	1 ± 2	2 ± 3	2 ± 2	2 ± 2
CD28 + Ki67	3 ± 6	3 ± 6	3 ± 6	3 ± 6	2 ± 6
CD28 + PI	99 ± 156	26 ± 50	59 ± 78	38 ± 47	45 ± 66
CD28 + Podoplanin	30 ± 76	2 ± 6	4 ± 7	4 ± 7	2 ± 6
CD28 + SNA1	117 ± 267	14 ± 35	34 ± 46	25 ± 34	31 ± 52
CD28 + STAT3	30 ± 65	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CD28 + TIA1	7 ± 14	1 ± 2	3 ± 7	1 ± 2	1 ± 2
CD28 + Vimentin	115 ± 189	47 ± 109	63 ± 106	57 ± 106	60 ± 108

Tabelle 199: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	12 ± 18	381 ± 1123	75 ± 193	14 ± 25	8 ± 11
CD29 + BCL2	2723 ± 3137	999 ± 1174	1631 ± 1335	1053 ± 1141	1288 ± 1023
CD29 + CCR6	97 ± 130	106 ± 170	90 ± 134	95 ± 105	120 ± 172
CD29 + CD11a	278 ± 463	123 ± 292	284 ± 320	208 ± 304	139 ± 286
CD29 + CD11b	113 ± 198	85 ± 206	91 ± 204	89 ± 204	92 ± 203
CD29 + CD120a	82 ± 69	98 ± 103	85 ± 82	79 ± 69	78 ± 79
CD29 + CD120b	57 ± 91	11 ± 25	24 ± 35	18 ± 26	13 ± 25
CD29 + CD138	12731 ± 15460	5175 ± 4311	7291 ± 5252	4866 ± 4309	6245 ± 4304
CD29 + CD15	48 ± 61	14 ± 13	12 ± 15	16 ± 13	15 ± 13
CD29 + CD1a	236 ± 231	222 ± 230	195 ± 239	156 ± 186	346 ± 373
CD29 + CD2	395 ± 547	137 ± 297	370 ± 418	182 ± 284	211 ± 275
CD29 + CD207	307 ± 355	296 ± 336	295 ± 318	269 ± 319	368 ± 371
CD29 + CD24	84 ± 171	59 ± 170	64 ± 169	66 ± 168	107 ± 184
CD29 + CD28	88 ± 140	27 ± 64	51 ± 70	36 ± 63	30 ± 63
CD29 + CD3	339 ± 557	136 ± 348	311 ± 407	242 ± 387	229 ± 364
CD29 + CD31	37 ± 58	18 ± 24	76 ± 171	68 ± 128	13 ± 19
CD29 + CD4	86 ± 174	66 ± 173	90 ± 166	76 ± 171	69 ± 172
CD29 + CD44	9830 ± 12739	4088 ± 4621	5920 ± 4921	5353 ± 5352	6134 ± 4734
CD29 + CD45	172 ± 180	52 ± 105	199 ± 227	93 ± 112	73 ± 104
CD29 + CD45RA	119 ± 172	62 ± 143	85 ± 139	71 ± 140	66 ± 142
CD29 + CD45RO	115 ± 203	45 ± 128	145 ± 173	93 ± 141	111 ± 150
CD29 + CD52	25 ± 30	8 ± 17	14 ± 21	13 ± 17	11 ± 16
CD29 + CD54	1068 ± 1868	346 ± 1013	465 ± 1025	422 ± 1004	442 ± 997
CD29 + CD56	21 ± 20	199 ± 385	91 ± 166	14 ± 15	32 ± 37
CD29 + CD58	5933 ± 9565	2327 ± 3211	2253 ± 3196	2599 ± 3373	3541 ± 3577
CD29 + CD62E	18 ± 35	7 ± 14	9 ± 16	5 ± 14	5 ± 14
CD29 + CD62P	13 ± 27	19 ± 34	11 ± 27	31 ± 67	12 ± 27
CD29 + CD68	1202 ± 1330	1355 ± 1262	1240 ± 1298	1256 ± 1375	1210 ± 1386
CD29 + CD7	225 ± 404	77 ± 218	333 ± 413	240 ± 330	111 ± 214
CD29 + CD8a	192 ± 242	83 ± 184	133 ± 179	108 ± 178	139 ± 183
CD29 + CK14	20227 ± 17479	10640 ± 9248	13720 ± 9615	12437 ± 10003	13988 ± 9015
CD29 + CLA	275 ± 232	143 ± 247	224 ± 235	216 ± 229	212 ± 229
CD29 + c-myc	5700 ± 4284	3841 ± 3278	3795 ± 3104	3673 ± 3549	4076 ± 3259
CD29 + Collagen IV	2277 ± 3246	1273 ± 2126	1705 ± 2056	1860 ± 2248	1559 ± 2060
CD29 + FXIIIA	18 ± 38	18 ± 38	36 ± 62	15 ± 39	22 ± 38
CD29 + HLA-DR	5904 ± 8809	2416 ± 2576	2554 ± 2836	2055 ± 2575	2671 ± 2728
CD29 + IL-22R	2232 ± 2644	2018 ± 2756	1953 ± 2799	1900 ± 2825	1981 ± 2770
CD29 + IL-23R	601 ± 947	1094 ± 1804	507 ± 958	559 ± 935	534 ± 944
CD29 + Ki67	897 ± 1147	337 ± 563	540 ± 594	402 ± 546	427 ± 544
CD29 + PI	6242 ± 5509	3415 ± 3649	4463 ± 4096	3783 ± 3767	4934 ± 3940
CD29 + Podoplanin	4150 ± 7847	1059 ± 1846	957 ± 1816	1751 ± 3579	720 ± 1808
CD29 + SNA1	6539 ± 12869	1483 ± 1808	2534 ± 2481	1871 ± 1981	2239 ± 2128
CD29 + STAT3	1757 ± 2619	2489 ± 2835	1653 ± 2750	1589 ± 2705	1492 ± 2714
CD29 + TIA1	53 ± 96	25 ± 41	49 ± 64	21 ± 31	19 ± 30
CD29 + Vimentin	3062 ± 2269	1808 ± 1857	2204 ± 1858	2190 ± 1778	2252 ± 1838

Tabelle 200: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + BCL2	99 ± 191	30 ± 34	85 ± 99	56 ± 52	52 ± 51
CD3 + CCR6	54 ± 79	20 ± 44	31 ± 51	46 ± 62	42 ± 58
CD3 + CD11a	411 ± 611	190 ± 409	351 ± 414	329 ± 424	245 ± 406
CD3 + CD11b	36 ± 83	29 ± 85	30 ± 85	32 ± 84	39 ± 84
CD3 + CD120a	16 ± 27	14 ± 27	16 ± 27	26 ± 34	20 ± 26
CD3 + CD120b	44 ± 74	15 ± 44	29 ± 46	29 ± 50	26 ± 45
CD3 + CD138	435 ± 813	111 ± 266	288 ± 359	190 ± 281	209 ± 328
CD3 + CD15	5 ± 8	0 ± 0	0 ± 0	0 ± 1	1 ± 1
CD3 + CD1a	58 ± 87	37 ± 76	41 ± 75	60 ± 85	72 ± 85
CD3 + CD2	496 ± 708	207 ± 434	356 ± 422	328 ± 445	345 ± 448
CD3 + CD207	48 ± 65	35 ± 68	44 ± 65	58 ± 72	58 ± 64
CD3 + CD24	12 ± 24	6 ± 18	8 ± 18	9 ± 19	7 ± 18
CD3 + CD28	180 ± 331	51 ± 116	97 ± 135	81 ± 115	81 ± 128
CD3 + CD29	339 ± 557	136 ± 348	311 ± 407	242 ± 387	229 ± 364
CD3 + CD31	3 ± 9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD4	143 ± 233	76 ± 165	117 ± 163	119 ± 183	99 ± 163
CD3 + CD44	554 ± 859	235 ± 513	513 ± 622	561 ± 836	467 ± 629
CD3 + CD45	286 ± 387	93 ± 187	263 ± 297	194 ± 225	140 ± 185
CD3 + CD45RA	59 ± 119	52 ± 121	60 ± 119	57 ± 119	57 ± 119
CD3 + CD45RO	199 ± 391	68 ± 195	166 ± 233	173 ± 258	174 ± 279
CD3 + CD52	38 ± 51	14 ± 34	31 ± 51	20 ± 34	28 ± 37
CD3 + CD54	190 ± 340	99 ± 297	112 ± 293	138 ± 298	115 ± 292
CD3 + CD56	0 ± 1	0 ± 1	3 ± 5	5 ± 13	2 ± 6
CD3 + CD58	409 ± 808	127 ± 327	142 ± 322	198 ± 355	303 ± 467
CD3 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD68	125 ± 207	109 ± 214	125 ± 207	127 ± 206	118 ± 210
CD3 + CD7	284 ± 458	138 ± 359	318 ± 401	336 ± 475	227 ± 369
CD3 + CD8a	220 ± 308	108 ± 255	200 ± 263	166 ± 261	213 ± 312
CD3 + CK14	694 ± 965	304 ± 653	660 ± 775	617 ± 831	595 ± 795
CD3 + CLA	175 ± 216	118 ± 223	165 ± 211	189 ± 224	195 ± 250
CD3 + c-myc	119 ± 160	38 ± 61	97 ± 118	91 ± 124	119 ± 169
CD3 + Collagen IV	79 ± 149	21 ± 48	72 ± 97	58 ± 72	54 ± 97
CD3 + FXIIIA	2 ± 5	1 ± 3	1 ± 3	3 ± 6	2 ± 3
CD3 + HLA-DR	524 ± 852	194 ± 435	351 ± 482	308 ± 439	361 ± 527
CD3 + IL-22R	63 ± 83	39 ± 75	50 ± 74	41 ± 74	44 ± 73
CD3 + IL-23R	26 ± 58	9 ± 13	7 ± 12	16 ± 28	10 ± 12
CD3 + Ki67	24 ± 44	17 ± 42	27 ± 43	19 ± 42	19 ± 42
CD3 + PI	421 ± 556	171 ± 350	394 ± 480	302 ± 371	386 ± 536
CD3 + Podoplanin	120 ± 249	23 ± 70	37 ± 75	85 ± 186	26 ± 69
CD3 + SNA1	341 ± 766	47 ± 120	161 ± 214	115 ± 171	151 ± 256
CD3 + STAT3	66 ± 128	8 ± 12	6 ± 11	23 ± 46	10 ± 11
CD3 + TIA1	49 ± 69	22 ± 50	34 ± 48	30 ± 50	31 ± 50
CD3 + Vimentin	454 ± 652	217 ± 523	347 ± 519	336 ± 516	368 ± 536

Tabelle 201: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	4 ± 8	9 ± 23	46 ± 123	13 ± 34	2 ± 5
CD31 + BCL2	2 ± 3	1 ± 3	4 ± 6	1 ± 3	1 ± 3
CD31 + CCR6	0 ± 0	3 ± 8	21 ± 62	0 ± 0	0 ± 0
CD31 + CD11a	1 ± 2	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD31 + CD11b	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD31 + CD120a	0 ± 0	0 ± 1	1 ± 2	1 ± 1	0 ± 0
CD31 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD138	0 ± 1	9 ± 23	60 ± 179	5 ± 14	0 ± 1
CD31 + CD15	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD29	37 ± 58	18 ± 24	76 ± 171	68 ± 128	13 ± 19
CD31 + CD3	3 ± 9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD4	2 ± 3	1 ± 3	2 ± 4	1 ± 3	1 ± 3
CD31 + CD44	9 ± 21	2 ± 6	3 ± 6	5 ± 10	4 ± 8
CD31 + CD45	2 ± 6	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD45RA	0 ± 1	0 ± 1	2 ± 6	0 ± 1	0 ± 1
CD31 + CD45RO	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD54	27 ± 46	7 ± 11	9 ± 12	96 ± 265	8 ± 11
CD31 + CD56	0 ± 0	4 ± 12	38 ± 114	0 ± 0	0 ± 0
CD31 + CD58	7 ± 10	7 ± 11	19 ± 40	24 ± 45	6 ± 10
CD31 + CD62E	1 ± 4	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD31 + CD62P	1 ± 2	1 ± 2	1 ± 3	33 ± 97	1 ± 2
CD31 + CD68	11 ± 14	9 ± 14	13 ± 14	10 ± 14	12 ± 15
CD31 + CD7	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD8a	0 ± 0	0 ± 0	0 ± 0	4 ± 11	0 ± 0
CD31 + CK14	11 ± 14	15 ± 21	67 ± 167	23 ± 31	10 ± 13
CD31 + CLA	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + c-myc	21 ± 39	15 ± 25	71 ± 176	11 ± 16	7 ± 16
CD31 + Collagen IV	30 ± 39	12 ± 19	16 ± 18	89 ± 187	14 ± 19
CD31 + FXIIIA	1 ± 3	2 ± 4	19 ± 52	1 ± 3	1 ± 3
CD31 + HLA-DR	23 ± 42	6 ± 8	10 ± 9	11 ± 17	5 ± 9
CD31 + IL-22R	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD31 + Ki67	0 ± 1	0 ± 1	1 ± 1	0 ± 1	0 ± 1
CD31 + PI	25 ± 46	10 ± 12	43 ± 104	32 ± 66	6 ± 9
CD31 + Podoplanin	0 ± 0	6 ± 17	47 ± 141	0 ± 0	0 ± 0
CD31 + SNA1	37 ± 57	13 ± 19	17 ± 18	79 ± 157	15 ± 19
CD31 + STAT3	0 ± 0	8 ± 23	60 ± 180	0 ± 1	0 ± 0
CD31 + TIA1	0 ± 0	1 ± 4	14 ± 41	0 ± 1	0 ± 0
CD31 + Vimentin	24 ± 41	7 ± 15	14 ± 19	90 ± 239	6 ± 16

Tabelle 202: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	0 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
CD4 + BCL2	24 ± 39	11 ± 20	21 ± 24	14 ± 20	14 ± 19
CD4 + CCR6	15 ± 28	7 ± 20	8 ± 20	11 ± 21	10 ± 19
CD4 + CD11a	149 ± 243	77 ± 164	113 ± 161	111 ± 173	91 ± 161
CD4 + CD11b	32 ± 80	29 ± 81	30 ± 80	30 ± 80	37 ± 80
CD4 + CD120a	15 ± 24	11 ± 23	12 ± 22	18 ± 29	15 ± 22
CD4 + CD120b	24 ± 50	9 ± 25	12 ± 25	13 ± 27	14 ± 27
CD4 + CD138	51 ± 88	24 ± 51	34 ± 48	25 ± 51	30 ± 50
CD4 + CD15	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD4 + CD1a	37 ± 58	20 ± 40	23 ± 39	21 ± 39	23 ± 39
CD4 + CD2	108 ± 164	65 ± 131	83 ± 125	78 ± 127	77 ± 126
CD4 + CD207	36 ± 55	25 ± 50	27 ± 49	26 ± 49	27 ± 49
CD4 + CD24	4 ± 13	4 ± 13	4 ± 13	7 ± 15	4 ± 13
CD4 + CD28	87 ± 167	32 ± 71	50 ± 79	48 ± 75	45 ± 73
CD4 + CD29	86 ± 174	66 ± 173	90 ± 166	76 ± 171	69 ± 172
CD4 + CD3	143 ± 233	76 ± 165	117 ± 163	119 ± 183	99 ± 163
CD4 + CD31	2 ± 3	1 ± 3	2 ± 4	1 ± 3	1 ± 3
CD4 + CD44	162 ± 247	98 ± 199	140 ± 190	145 ± 216	121 ± 193
CD4 + CD45	108 ± 180	48 ± 95	89 ± 108	75 ± 106	61 ± 94
CD4 + CD45RA	18 ± 36	12 ± 34	14 ± 34	18 ± 36	12 ± 34
CD4 + CD45RO	86 ± 165	38 ± 106	64 ± 110	55 ± 108	53 ± 108
CD4 + CD52	11 ± 19	7 ± 18	14 ± 25	10 ± 18	9 ± 17
CD4 + CD54	115 ± 226	63 ± 188	72 ± 185	85 ± 191	72 ± 186
CD4 + CD56	2 ± 3	1 ± 3	4 ± 6	3 ± 6	3 ± 5
CD4 + CD58	96 ± 171	48 ± 118	52 ± 117	62 ± 119	65 ± 119
CD4 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD4 + CD68	71 ± 130	63 ± 132	69 ± 129	71 ± 130	67 ± 130
CD4 + CD7	94 ± 167	47 ± 116	75 ± 114	65 ± 116	56 ± 114
CD4 + CD8a	10 ± 23	10 ± 23	17 ± 29	11 ± 23	10 ± 23
CD4 + CK14	166 ± 252	121 ± 242	168 ± 227	152 ± 237	144 ± 234
CD4 + CLA	43 ± 67	37 ± 69	40 ± 67	44 ± 68	41 ± 67
CD4 + c-myc	86 ± 154	63 ± 150	83 ± 146	88 ± 153	78 ± 147
CD4 + Collagen IV	67 ± 122	43 ± 110	63 ± 107	56 ± 108	51 ± 108
CD4 + FXIIIA	4 ± 12	4 ± 12	4 ± 12	5 ± 12	5 ± 12
CD4 + HLA-DR	179 ± 289	91 ± 188	119 ± 179	116 ± 186	112 ± 184
CD4 + IL-22R	22 ± 33	17 ± 33	17 ± 33	18 ± 32	18 ± 32
CD4 + IL-23R	16 ± 37	3 ± 8	3 ± 8	8 ± 15	4 ± 8
CD4 + Ki67	4 ± 11	4 ± 11	5 ± 11	4 ± 11	4 ± 11
CD4 + PI	94 ± 144	53 ± 108	82 ± 108	62 ± 105	67 ± 104
CD4 + Podoplanin	23 ± 43	12 ± 34	13 ± 34	20 ± 40	13 ± 34
CD4 + SNA1	125 ± 236	49 ± 119	88 ± 118	71 ± 120	64 ± 117
CD4 + STAT3	18 ± 48	2 ± 3	2 ± 3	3 ± 5	4 ± 6
CD4 + TIA1	4 ± 7	1 ± 4	4 ± 7	1 ± 4	2 ± 4
CD4 + Vimentin	148 ± 253	90 ± 218	109 ± 211	107 ± 215	107 ± 214

Tabelle 203: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1 ± 2	20 ± 57	3 ± 7	1 ± 2	1 ± 2
CD44 + BCL2	2280 ± 3117	1140 ± 2018	1889 ± 2130	1077 ± 1993	1191 ± 1938
CD44 + CCR6	112 ± 122	92 ± 102	82 ± 65	133 ± 122	236 ± 411
CD44 + CD11a	533 ± 853	247 ± 528	485 ± 529	469 ± 582	307 ± 518
CD44 + CD11b	225 ± 515	187 ± 527	202 ± 521	220 ± 522	237 ± 515
CD44 + CD120a	175 ± 116	219 ± 157	172 ± 119	273 ± 154	193 ± 107
CD44 + CD120b	80 ± 128	20 ± 49	42 ± 64	33 ± 55	30 ± 50
CD44 + CD138	20887 ± 23652	9167 ± 8843	17037 ± 13535	13297 ± 9541	16332 ± 15307
CD44 + CD15	51 ± 45	30 ± 35	23 ± 37	43 ± 56	30 ± 35
CD44 + CD1a	468 ± 249	573 ± 408	455 ± 374	701 ± 427	1138 ± 1229
CD44 + CD2	536 ± 760	247 ± 502	488 ± 513	392 ± 507	443 ± 505
CD44 + CD207	532 ± 282	683 ± 377	582 ± 269	783 ± 301	931 ± 541
CD44 + CD24	127 ± 286	98 ± 289	106 ± 287	114 ± 285	156 ± 295
CD44 + CD28	164 ± 289	52 ± 107	94 ± 119	82 ± 105	81 ± 119
CD44 + CD29	9830 ± 12739	4088 ± 4621	5920 ± 4921	5353 ± 5352	6134 ± 4734
CD44 + CD3	554 ± 859	235 ± 513	513 ± 622	561 ± 836	467 ± 629
CD44 + CD31	9 ± 21	2 ± 6	3 ± 6	5 ± 10	4 ± 8
CD44 + CD4	162 ± 247	98 ± 199	140 ± 190	145 ± 216	121 ± 193
CD44 + CD45	350 ± 415	128 ± 228	361 ± 360	281 ± 303	252 ± 307
CD44 + CD45RA	139 ± 243	78 ± 217	107 ± 220	95 ± 214	90 ± 214
CD44 + CD45RO	213 ± 406	86 ± 244	209 ± 273	256 ± 374	285 ± 461
CD44 + CD52	41 ± 55	20 ± 35	30 ± 50	20 ± 35	35 ± 44
CD44 + CD54	1308 ± 2387	479 ± 1405	609 ± 1398	594 ± 1387	566 ± 1385
CD44 + CD56	15 ± 24	12 ± 22	24 ± 29	17 ± 25	15 ± 22
CD44 + CD58	10428 ± 17394	4183 ± 6057	4818 ± 6315	4810 ± 6016	6959 ± 8007
CD44 + CD62E	3 ± 7	8 ± 23	2 ± 4	0 ± 1	0 ± 1
CD44 + CD62P	2 ± 6	2 ± 4	0 ± 0	0 ± 0	3 ± 10
CD44 + CD68	611 ± 683	659 ± 663	652 ± 659	673 ± 656	794 ± 859
CD44 + CD7	371 ± 630	158 ± 413	470 ± 539	516 ± 684	245 ± 404
CD44 + CD8a	288 ± 438	150 ± 389	255 ± 380	238 ± 397	271 ± 407
CD44 + CK14	27296 ± 25758	13917 ± 15364	24531 ± 19589	21849 ± 16465	23809 ± 19959
CD44 + CLA	456 ± 451	295 ± 510	421 ± 477	481 ± 498	521 ± 598
CD44 + c-myc	4442 ± 3156	4566 ± 2181	3213 ± 2442	3607 ± 2555	3814 ± 2518
CD44 + Collagen IV	1134 ± 1948	444 ± 810	807 ± 827	851 ± 1032	703 ± 866
CD44 + FXIIIA	8 ± 13	6 ± 12	7 ± 11	7 ± 12	26 ± 58
CD44 + HLA-DR	10150 ± 14671	4843 ± 6433	5501 ± 6933	5459 ± 6557	6236 ± 7438
CD44 + IL-22R	4557 ± 3310	3871 ± 3614	4183 ± 3628	3978 ± 3695	3872 ± 3658
CD44 + IL-23R	912 ± 1054	1618 ± 2989	522 ± 794	757 ± 716	707 ± 742
CD44 + Ki67	1093 ± 1142	507 ± 735	1140 ± 1138	701 ± 738	857 ± 1266
CD44 + PI	5957 ± 3880	3334 ± 2616	5637 ± 3984	4940 ± 2487	6612 ± 5513
CD44 + Podoplanin	4661 ± 8563	766 ± 2243	1038 ± 2257	2164 ± 4367	842 ± 2226
CD44 + SNA1	5223 ± 12544	817 ± 1343	1752 ± 1963	1250 ± 1573	1682 ± 1941
CD44 + STAT3	3549 ± 3471	2864 ± 2480	1691 ± 1630	2567 ± 1863	2762 ± 1894
CD44 + TIA1	67 ± 129	18 ± 52	40 ± 56	32 ± 55	27 ± 53
CD44 + Vimentin	2843 ± 2665	1776 ± 2533	2449 ± 2454	2474 ± 2387	2775 ± 2705

Tabelle 204: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + BCL2	66 ± 93	16 ± 30	53 ± 55	22 ± 28	19 ± 29
CD45 + CCR6	33 ± 48	10 ± 27	18 ± 31	20 ± 29	17 ± 28
CD45 + CD11a	306 ± 429	106 ± 215	318 ± 319	226 ± 262	138 ± 209
CD45 + CD11b	47 ± 80	28 ± 81	34 ± 80	30 ± 80	36 ± 81
CD45 + CD120a	42 ± 40	33 ± 43	43 ± 52	47 ± 47	50 ± 63
CD45 + CD120b	33 ± 52	8 ± 22	12 ± 22	12 ± 23	11 ± 23
CD45 + CD138	272 ± 396	52 ± 85	180 ± 178	91 ± 97	174 ± 320
CD45 + CD15	9 ± 11	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD45 + CD1a	78 ± 66	49 ± 60	67 ± 76	90 ± 126	136 ± 249
CD45 + CD2	327 ± 409	93 ± 178	272 ± 267	140 ± 166	156 ± 183
CD45 + CD207	88 ± 89	52 ± 82	68 ± 78	78 ± 106	111 ± 186
CD45 + CD24	12 ± 25	3 ± 9	4 ± 9	6 ± 12	3 ± 9
CD45 + CD28	130 ± 191	32 ± 67	73 ± 95	54 ± 65	43 ± 68
CD45 + CD29	172 ± 180	52 ± 105	199 ± 227	93 ± 112	73 ± 104
CD45 + CD3	286 ± 387	93 ± 187	263 ± 297	194 ± 225	140 ± 185
CD45 + CD31	2 ± 6	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45 + CD4	108 ± 180	48 ± 95	89 ± 108	75 ± 106	61 ± 94
CD45 + CD44	350 ± 415	128 ± 228	361 ± 360	281 ± 303	252 ± 307
CD45 + CD45RA	27 ± 42	17 ± 44	30 ± 50	22 ± 44	17 ± 44
CD45 + CD45RO	180 ± 313	51 ± 143	183 ± 214	137 ± 186	97 ± 154
CD45 + CD52	37 ± 51	9 ± 25	26 ± 45	14 ± 25	16 ± 25
CD45 + CD54	143 ± 217	53 ± 158	112 ± 207	92 ± 163	61 ± 156
CD45 + CD56	1 ± 2	1 ± 2	2 ± 4	1 ± 2	2 ± 4
CD45 + CD58	249 ± 409	70 ± 125	100 ± 133	119 ± 148	135 ± 149
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	85 ± 100	71 ± 108	95 ± 104	78 ± 103	117 ± 162
CD45 + CD7	146 ± 221	48 ± 109	223 ± 264	131 ± 159	90 ± 123
CD45 + CD8a	129 ± 159	36 ± 85	111 ± 127	72 ± 96	76 ± 100
CD45 + CK14	427 ± 515	116 ± 193	395 ± 384	270 ± 273	240 ± 302
CD45 + CLA	98 ± 88	60 ± 96	95 ± 88	102 ± 116	74 ± 90
CD45 + c-myc	115 ± 149	28 ± 41	81 ± 114	73 ± 110	42 ± 44
CD45 + Collagen IV	44 ± 67	9 ± 22	60 ± 102	33 ± 46	15 ± 24
CD45 + FXIIIA	2 ± 6	2 ± 6	3 ± 6	2 ± 6	2 ± 6
CD45 + HLA-DR	388 ± 489	121 ± 210	257 ± 264	226 ± 250	200 ± 230
CD45 + IL-22R	77 ± 81	42 ± 62	44 ± 60	44 ± 60	70 ± 99
CD45 + IL-23R	39 ± 70	12 ± 14	13 ± 13	22 ± 23	33 ± 55
CD45 + Ki67	8 ± 11	4 ± 11	9 ± 11	5 ± 11	13 ± 26
CD45 + PI	226 ± 246	54 ± 80	217 ± 257	123 ± 117	110 ± 118
CD45 + Podoplanin	40 ± 74	5 ± 14	11 ± 22	17 ± 37	6 ± 14
CD45 + SNA1	205 ± 385	39 ± 87	144 ± 180	77 ± 101	77 ± 108
CD45 + STAT3	79 ± 135	11 ± 16	10 ± 16	20 ± 18	45 ± 103
CD45 + TIA1	25 ± 41	5 ± 13	17 ± 20	8 ± 13	9 ± 14
CD45 + Vimentin	283 ± 311	101 ± 185	234 ± 219	175 ± 202	203 ± 275

Tabelle 205: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	0 ± 0	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD45RA + BCL2	27 ± 31	16 ± 24	25 ± 24	17 ± 23	21 ± 23
CD45RA + CCR6	5 ± 7	3 ± 7	7 ± 10	4 ± 7	5 ± 8
CD45RA + CD11a	100 ± 182	73 ± 181	92 ± 178	85 ± 178	75 ± 180
CD45RA + CD11b	34 ± 82	28 ± 83	29 ± 83	31 ± 82	30 ± 83
CD45RA + CD120a	3 ± 5	2 ± 5	2 ± 5	3 ± 5	3 ± 5
CD45RA + CD120b	11 ± 16	3 ± 9	4 ± 9	3 ± 9	4 ± 9
CD45RA + CD138	74 ± 129	42 ± 111	55 ± 108	45 ± 109	44 ± 110
CD45RA + CD15	3 ± 5	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD45RA + CD1a	6 ± 16	6 ± 17	6 ± 17	6 ± 16	6 ± 16
CD45RA + CD2	61 ± 89	45 ± 87	57 ± 84	46 ± 87	45 ± 87
CD45RA + CD207	4 ± 11	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD45RA + CD24	9 ± 16	4 ± 11	5 ± 11	5 ± 11	5 ± 11
CD45RA + CD28	7 ± 11	4 ± 10	5 ± 10	4 ± 10	4 ± 10
CD45RA + CD29	119 ± 172	62 ± 143	85 ± 139	71 ± 140	66 ± 142
CD45RA + CD3	59 ± 119	52 ± 121	60 ± 119	57 ± 119	57 ± 119
CD45RA + CD31	0 ± 1	0 ± 1	2 ± 6	0 ± 1	0 ± 1
CD45RA + CD4	18 ± 36	12 ± 34	14 ± 34	18 ± 36	12 ± 34
CD45RA + CD44	139 ± 243	78 ± 217	107 ± 220	95 ± 214	90 ± 214
CD45RA + CD45	27 ± 42	17 ± 44	30 ± 50	22 ± 44	17 ± 44
CD45RA + CD45RO	8 ± 18	6 ± 18	9 ± 19	7 ± 18	6 ± 18
CD45RA + CD52	4 ± 4	2 ± 4	5 ± 9	2 ± 4	2 ± 4
CD45RA + CD54	74 ± 170	58 ± 173	60 ± 173	61 ± 172	58 ± 173
CD45RA + CD56	11 ± 23	7 ± 22	11 ± 22	7 ± 22	7 ± 22
CD45RA + CD58	85 ± 163	46 ± 133	48 ± 132	51 ± 131	51 ± 131
CD45RA + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD62P	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD68	49 ± 110	46 ± 112	47 ± 111	52 ± 110	47 ± 111
CD45RA + CD7	117 ± 212	65 ± 183	90 ± 185	73 ± 181	70 ± 182
CD45RA + CD8a	53 ± 101	49 ± 103	54 ± 100	50 ± 102	53 ± 101
CD45RA + CK14	201 ± 344	146 ± 346	185 ± 337	164 ± 340	160 ± 341
CD45RA + CLA	76 ± 131	61 ± 137	68 ± 134	78 ± 134	74 ± 134
CD45RA + c-myc	73 ± 121	34 ± 91	46 ± 90	46 ± 92	39 ± 90
CD45RA + Collagen IV	56 ± 97	25 ± 66	34 ± 66	36 ± 64	27 ± 65
CD45RA + FXIIIA	3 ± 10	3 ± 10	4 ± 10	3 ± 10	3 ± 10
CD45RA + HLA-DR	155 ± 259	87 ± 231	100 ± 228	92 ± 229	94 ± 228
CD45RA + IL-22R	17 ± 43	15 ± 43	15 ± 43	15 ± 43	15 ± 43
CD45RA + IL-23R	3 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + Ki67	8 ± 20	7 ± 20	8 ± 20	7 ± 20	8 ± 20
CD45RA + PI	106 ± 157	66 ± 149	98 ± 150	75 ± 145	76 ± 145
CD45RA + Podoplanin	27 ± 52	10 ± 29	14 ± 30	11 ± 29	10 ± 29
CD45RA + SNA1	98 ± 182	27 ± 61	42 ± 65	38 ± 60	28 ± 61
CD45RA + STAT3	11 ± 26	1 ± 3	5 ± 11	2 ± 3	1 ± 3
CD45RA + TIA1	27 ± 44	13 ± 26	18 ± 24	15 ± 25	14 ± 25
CD45RA + Vimentin	124 ± 237	86 ± 237	99 ± 233	91 ± 235	90 ± 235

Tabelle 206: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	2 ± 5
CD45RO + BCL2	38 ± 93	3 ± 8	37 ± 55	11 ± 13	15 ± 25
CD45RO + CCR6	23 ± 42	9 ± 27	13 ± 27	25 ± 36	21 ± 32
CD45RO + CD11a	200 ± 380	68 ± 192	179 ± 223	154 ± 224	107 ± 202
CD45RO + CD11b	80 ± 156	42 ± 125	48 ± 123	86 ± 170	94 ± 150
CD45RO + CD120a	17 ± 33	14 ± 34	27 ± 41	31 ± 46	20 ± 33
CD45RO + CD120b	23 ± 44	11 ± 32	15 ± 31	16 ± 33	16 ± 32
CD45RO + CD138	192 ± 406	42 ± 119	124 ± 170	105 ± 155	156 ± 269
CD45RO + CD15	15 ± 42	0 ± 0	1 ± 2	19 ± 55	1 ± 3
CD45RO + CD1a	48 ± 92	28 ± 81	34 ± 80	61 ± 116	93 ± 157
CD45RO + CD2	240 ± 432	70 ± 199	206 ± 244	145 ± 214	168 ± 242
CD45RO + CD207	28 ± 45	13 ± 28	32 ± 40	38 ± 64	48 ± 77
CD45RO + CD24	12 ± 22	6 ± 19	7 ± 19	23 ± 51	8 ± 19
CD45RO + CD28	88 ± 163	28 ± 78	55 ± 87	41 ± 75	49 ± 88
CD45RO + CD29	115 ± 203	45 ± 128	145 ± 173	93 ± 141	111 ± 150
CD45RO + CD3	199 ± 391	68 ± 195	166 ± 233	173 ± 258	174 ± 279
CD45RO + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD4	86 ± 165	38 ± 106	64 ± 110	55 ± 108	53 ± 108
CD45RO + CD44	213 ± 406	86 ± 244	209 ± 273	256 ± 374	285 ± 461
CD45RO + CD45	180 ± 313	51 ± 143	183 ± 214	137 ± 186	97 ± 154
CD45RO + CD45RA	8 ± 18	6 ± 18	9 ± 19	7 ± 18	6 ± 18
CD45RO + CD52	18 ± 31	8 ± 23	18 ± 32	11 ± 24	18 ± 26
CD45RO + CD54	124 ± 245	66 ± 197	91 ± 198	88 ± 194	90 ± 195
CD45RO + CD56	0 ± 1	1 ± 1	2 ± 4	1 ± 3	3 ± 5
CD45RO + CD58	170 ± 370	45 ± 131	51 ± 129	77 ± 139	173 ± 306
CD45RO + CD62E	1 ± 2	0 ± 0	0 ± 1	32 ± 95	0 ± 0
CD45RO + CD62P	2 ± 4	0 ± 0	0 ± 0	28 ± 84	0 ± 0
CD45RO + CD68	67 ± 164	60 ± 167	86 ± 163	75 ± 163	94 ± 167
CD45RO + CD7	117 ± 220	45 ± 129	146 ± 175	127 ± 168	84 ± 135
CD45RO + CD8a	58 ± 103	13 ± 37	49 ± 72	33 ± 49	49 ± 75
CD45RO + CK14	248 ± 456	75 ± 211	255 ± 333	278 ± 403	320 ± 467
CD45RO + CLA	36 ± 59	16 ± 39	39 ± 50	63 ± 85	44 ± 63
CD45RO + c-myc	52 ± 100	10 ± 26	47 ± 81	35 ± 62	46 ± 70
CD45RO + Collagen IV	35 ± 82	7 ± 22	44 ± 79	17 ± 25	23 ± 44
CD45RO + FXIIIA	2 ± 7	2 ± 7	3 ± 7	2 ± 7	3 ± 7
CD45RO + HLA-DR	279 ± 577	82 ± 233	188 ± 284	179 ± 269	242 ± 400
CD45RO + IL-22R	27 ± 44	11 ± 27	17 ± 27	13 ± 26	17 ± 27
CD45RO + IL-23R	49 ± 125	6 ± 18	12 ± 18	65 ± 174	29 ± 42
CD45RO + Ki67	5 ± 15	5 ± 15	8 ± 15	7 ± 15	8 ± 15
CD45RO + PI	150 ± 273	43 ± 117	167 ± 201	147 ± 189	191 ± 284
CD45RO + Podoplanin	29 ± 55	10 ± 28	13 ± 29	16 ± 32	10 ± 28
CD45RO + SNA1	219 ± 527	39 ± 116	126 ± 176	99 ± 163	169 ± 301
CD45RO + STAT3	78 ± 207	3 ± 6	3 ± 7	78 ± 210	17 ± 28
CD45RO + TIA1	20 ± 49	2 ± 7	7 ± 11	6 ± 11	4 ± 8
CD45RO + Vimentin	226 ± 408	96 ± 279	232 ± 315	187 ± 291	267 ± 374

Tabelle 207: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + BCL2	38 ± 79	5 ± 5	6 ± 8	3 ± 4	5 ± 4
CD52 + CCR6	14 ± 19	15 ± 34	5 ± 10	5 ± 10	7 ± 10
CD52 + CD11a	34 ± 47	13 ± 33	29 ± 46	19 ± 32	22 ± 34
CD52 + CD11b	2 ± 7	2 ± 7	2 ± 7	3 ± 7	3 ± 7
CD52 + CD120a	1 ± 1	1 ± 1	0 ± 1	0 ± 0	2 ± 3
CD52 + CD120b	5 ± 8	2 ± 5	3 ± 6	2 ± 5	2 ± 5
CD52 + CD138	44 ± 50	24 ± 40	14 ± 21	10 ± 21	18 ± 23
CD52 + CD15	2 ± 5	8 ± 24	0 ± 0	0 ± 0	0 ± 1
CD52 + CD1a	2 ± 3	2 ± 4	1 ± 3	1 ± 2	4 ± 3
CD52 + CD2	44 ± 59	14 ± 34	27 ± 41	18 ± 33	31 ± 42
CD52 + CD207	2 ± 4	1 ± 1	0 ± 1	1 ± 2	2 ± 2
CD52 + CD24	3 ± 6	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD52 + CD28	15 ± 18	6 ± 13	12 ± 21	7 ± 13	8 ± 13
CD52 + CD29	25 ± 30	8 ± 17	14 ± 21	13 ± 17	11 ± 16
CD52 + CD3	38 ± 51	14 ± 34	31 ± 51	20 ± 34	28 ± 37
CD52 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD4	11 ± 19	7 ± 18	14 ± 25	10 ± 18	9 ± 17
CD52 + CD44	41 ± 55	20 ± 35	30 ± 50	20 ± 35	35 ± 44
CD52 + CD45	37 ± 51	9 ± 25	26 ± 45	14 ± 25	16 ± 25
CD52 + CD45RA	4 ± 4	2 ± 4	5 ± 9	2 ± 4	2 ± 4
CD52 + CD45RO	18 ± 31	8 ± 23	18 ± 32	11 ± 24	18 ± 26
CD52 + CD54	8 ± 14	4 ± 13	5 ± 13	6 ± 14	5 ± 13
CD52 + CD56	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD52 + CD58	30 ± 44	9 ± 18	7 ± 17	11 ± 20	16 ± 21
CD52 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD62P	2 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD52 + CD68	9 ± 19	9 ± 19	9 ± 19	10 ± 19	12 ± 19
CD52 + CD7	18 ± 25	5 ± 14	19 ± 35	10 ± 16	14 ± 19
CD52 + CD8a	28 ± 36	9 ± 22	22 ± 35	12 ± 21	21 ± 29
CD52 + CK14	84 ± 107	30 ± 43	30 ± 43	25 ± 34	36 ± 38
CD52 + CLA	11 ± 16	9 ± 15	8 ± 13	7 ± 13	14 ± 23
CD52 + c-myc	45 ± 99	16 ± 38	12 ± 28	7 ± 9	6 ± 7
CD52 + Collagen IV	5 ± 7	2 ± 4	10 ± 23	5 ± 7	3 ± 4
CD52 + FXIIIA	0 ± 1	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD52 + HLA-DR	36 ± 50	17 ± 29	21 ± 33	16 ± 30	25 ± 37
CD52 + IL-22R	26 ± 57	15 ± 37	2 ± 4	2 ± 4	4 ± 4
CD52 + IL-23R	36 ± 99	1 ± 2	1 ± 2	1 ± 2	2 ± 2
CD52 + Ki67	3 ± 5	1 ± 2	1 ± 1	1 ± 1	1 ± 1
CD52 + PI	29 ± 35	9 ± 9	18 ± 33	9 ± 10	15 ± 16
CD52 + Podoplanin	5 ± 9	4 ± 8	2 ± 4	3 ± 6	1 ± 4
CD52 + SNA1	24 ± 42	7 ± 18	16 ± 28	11 ± 18	20 ± 32
CD52 + STAT3	41 ± 102	6 ± 11	1 ± 2	2 ± 2	3 ± 3
CD52 + TIA1	8 ± 12	2 ± 4	5 ± 7	3 ± 4	3 ± 5
CD52 + Vimentin	30 ± 42	11 ± 25	15 ± 26	14 ± 25	25 ± 32

Tabelle 208: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	7 ± 17	1 ± 4	4 ± 8	13 ± 33	1 ± 4
CD54 + BCL2	75 ± 167	8 ± 18	14 ± 21	9 ± 18	20 ± 30
CD54 + CCR6	15 ± 26	10 ± 20	7 ± 19	11 ± 20	7 ± 19
CD54 + CD11a	213 ± 408	113 ± 338	169 ± 349	162 ± 334	119 ± 336
CD54 + CD11b	141 ± 370	125 ± 374	128 ± 373	128 ± 373	157 ± 369
CD54 + CD120a	54 ± 110	36 ± 109	46 ± 109	57 ± 111	41 ± 108
CD54 + CD120b	34 ± 51	11 ± 32	11 ± 32	13 ± 32	13 ± 32
CD54 + CD138	1051 ± 2089	340 ± 995	455 ± 1008	363 ± 988	376 ± 985
CD54 + CD15	8 ± 15	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD54 + CD1a	127 ± 274	91 ± 266	95 ± 265	108 ± 266	97 ± 265
CD54 + CD2	157 ± 300	86 ± 257	161 ± 314	92 ± 255	91 ± 255
CD54 + CD207	63 ± 112	34 ± 98	45 ± 98	47 ± 102	37 ± 98
CD54 + CD24	52 ± 123	41 ± 124	42 ± 124	44 ± 123	42 ± 124
CD54 + CD28	69 ± 117	26 ± 79	29 ± 78	39 ± 81	30 ± 78
CD54 + CD29	1068 ± 1868	346 ± 1013	465 ± 1025	422 ± 1004	442 ± 997
CD54 + CD3	190 ± 340	99 ± 297	112 ± 293	138 ± 298	115 ± 292
CD54 + CD31	27 ± 46	7 ± 11	9 ± 12	96 ± 265	8 ± 11
CD54 + CD4	115 ± 226	63 ± 188	72 ± 185	85 ± 191	72 ± 186
CD54 + CD44	1308 ± 2387	479 ± 1405	609 ± 1398	594 ± 1387	566 ± 1385
CD54 + CD45	143 ± 217	53 ± 158	112 ± 207	92 ± 163	61 ± 156
CD54 + CD45RA	74 ± 170	58 ± 173	60 ± 173	61 ± 172	58 ± 173
CD54 + CD45RO	124 ± 245	66 ± 197	91 ± 198	88 ± 194	90 ± 195
CD54 + CD52	8 ± 14	4 ± 13	5 ± 13	6 ± 14	5 ± 13
CD54 + CD56	6 ± 14	5 ± 14	6 ± 14	5 ± 14	7 ± 15
CD54 + CD58	610 ± 1218	236 ± 683	248 ± 680	284 ± 677	347 ± 680
CD54 + CD62E	2 ± 7	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD54 + CD62P	2 ± 5	1 ± 2	1 ± 3	33 ± 96	1 ± 2
CD54 + CD68	188 ± 453	162 ± 461	181 ± 457	177 ± 457	185 ± 457
CD54 + CD7	173 ± 332	97 ± 291	168 ± 333	113 ± 287	100 ± 290
CD54 + CD8a	50 ± 102	35 ± 105	38 ± 104	44 ± 104	35 ± 105
CD54 + CK14	1551 ± 2732	636 ± 1861	806 ± 1854	743 ± 1835	851 ± 1838
CD54 + CLA	67 ± 118	39 ± 117	44 ± 116	56 ± 119	50 ± 115
CD54 + c-myc	281 ± 399	98 ± 262	101 ± 261	137 ± 270	125 ± 260
CD54 + Collagen IV	209 ± 324	80 ± 217	94 ± 213	161 ± 285	91 ± 214
CD54 + FXIIIA	9 ± 25	10 ± 25	9 ± 25	10 ± 25	9 ± 25
CD54 + HLA-DR	1320 ± 2471	389 ± 1137	422 ± 1126	467 ± 1118	449 ± 1124
CD54 + IL-22R	108 ± 226	76 ± 222	77 ± 222	77 ± 222	78 ± 222
CD54 + IL-23R	84 ± 189	23 ± 60	22 ± 60	31 ± 65	27 ± 60
CD54 + Ki67	52 ± 138	47 ± 140	49 ± 139	47 ± 139	48 ± 139
CD54 + PI	371 ± 543	143 ± 413	165 ± 408	192 ± 411	191 ± 410
CD54 + Podoplanin	538 ± 1070	127 ± 379	127 ± 379	139 ± 376	136 ± 377
CD54 + SNA1	890 ± 2060	119 ± 325	155 ± 318	195 ± 358	148 ± 318
CD54 + STAT3	81 ± 204	16 ± 30	11 ± 30	19 ± 33	12 ± 30
CD54 + TIA1	17 ± 34	5 ± 16	8 ± 17	6 ± 16	6 ± 16
CD54 + Vimentin	596 ± 1041	314 ± 929	376 ± 918	441 ± 936	392 ± 914

Tabelle 209: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	0 ± 0	133 ± 400	43 ± 128	0 ± 0	2 ± 5
CD56 + BCL2	3 ± 5	20 ± 52	9 ± 12	2 ± 3	3 ± 4
CD56 + CCR6	1 ± 2	32 ± 86	23 ± 66	2 ± 3	1 ± 2
CD56 + CD11a	9 ± 17	4 ± 13	8 ± 14	6 ± 13	6 ± 13
CD56 + CD11b	9 ± 23	8 ± 24	9 ± 23	8 ± 24	11 ± 24
CD56 + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD56 + CD138	16 ± 21	175 ± 396	78 ± 172	16 ± 20	28 ± 41
CD56 + CD15	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	15 ± 25	7 ± 21	13 ± 25	9 ± 21	9 ± 21
CD56 + CD207	0 ± 0	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD56 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD28	0 ± 0	0 ± 0	1 ± 2	2 ± 6	0 ± 0
CD56 + CD29	21 ± 20	199 ± 385	91 ± 166	14 ± 15	32 ± 37
CD56 + CD3	0 ± 1	0 ± 1	3 ± 5	5 ± 13	2 ± 6
CD56 + CD31	0 ± 0	4 ± 12	38 ± 114	0 ± 0	0 ± 0
CD56 + CD4	2 ± 3	1 ± 3	4 ± 6	3 ± 6	3 ± 5
CD56 + CD44	15 ± 24	12 ± 22	24 ± 29	17 ± 25	15 ± 22
CD56 + CD45	1 ± 2	1 ± 2	2 ± 4	1 ± 2	2 ± 4
CD56 + CD45RA	11 ± 23	7 ± 22	11 ± 22	7 ± 22	7 ± 22
CD56 + CD45RO	0 ± 1	1 ± 1	2 ± 4	1 ± 3	3 ± 5
CD56 + CD52	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD56 + CD54	6 ± 14	5 ± 14	6 ± 14	5 ± 14	7 ± 15
CD56 + CD58	9 ± 16	14 ± 25	17 ± 34	13 ± 24	13 ± 19
CD56 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	5 ± 12	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	6 ± 9	20 ± 32	11 ± 16	6 ± 8	6 ± 6
CD56 + CD7	17 ± 31	10 ± 29	14 ± 30	15 ± 31	11 ± 29
CD56 + CD8a	1 ± 1	0 ± 1	2 ± 4	0 ± 1	0 ± 1
CD56 + CK14	45 ± 52	239 ± 418	118 ± 163	44 ± 55	70 ± 63
CD56 + CLA	9 ± 17	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD56 + c-myc	30 ± 34	162 ± 397	95 ± 172	26 ± 42	35 ± 38
CD56 + Collagen IV	21 ± 30	37 ± 59	30 ± 34	24 ± 40	26 ± 29
CD56 + FXIIIA	1 ± 2	3 ± 8	17 ± 50	0 ± 0	2 ± 3
CD56 + HLA-DR	14 ± 23	33 ± 51	20 ± 26	14 ± 22	15 ± 22
CD56 + IL-22R	6 ± 11	6 ± 11	5 ± 11	9 ± 14	5 ± 11
CD56 + IL-23R	0 ± 0	1 ± 2	0 ± 0	0 ± 1	0 ± 0
CD56 + Ki67	0 ± 0	2 ± 4	0 ± 1	0 ± 0	1 ± 3
CD56 + PI	13 ± 15	103 ± 194	52 ± 103	12 ± 16	19 ± 23
CD56 + Podoplanin	2 ± 4	161 ± 321	46 ± 135	2 ± 5	1 ± 3
CD56 + SNA1	21 ± 26	31 ± 42	28 ± 44	14 ± 25	20 ± 25
CD56 + STAT3	2 ± 3	161 ± 401	61 ± 178	4 ± 6	5 ± 9
CD56 + TIA1	7 ± 12	11 ± 23	18 ± 41	3 ± 10	4 ± 10
CD56 + Vimentin	22 ± 28	49 ± 87	29 ± 29	17 ± 24	20 ± 19

Tabelle 210: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	3 ± 6	14 ± 38	13 ± 34	4 ± 7	2 ± 5
CD58 + BCL2	2298 ± 3780	870 ± 1462	936 ± 1472	781 ± 1483	899 ± 1426
CD58 + CCR6	75 ± 107	45 ± 28	95 ± 176	39 ± 43	55 ± 42
CD58 + CD11a	384 ± 739	126 ± 324	150 ± 319	173 ± 321	169 ± 326
CD58 + CD11b	92 ± 197	66 ± 192	67 ± 192	72 ± 191	95 ± 190
CD58 + CD120a	128 ± 133	150 ± 150	126 ± 141	143 ± 127	129 ± 123
CD58 + CD120b	32 ± 66	9 ± 20	11 ± 20	11 ± 20	16 ± 21
CD58 + CD138	17224 ± 27902	6095 ± 6974	7499 ± 8005	6553 ± 6734	8849 ± 8952
CD58 + CD15	20 ± 20	14 ± 16	11 ± 17	13 ± 17	13 ± 16
CD58 + CD1a	514 ± 404	502 ± 437	603 ± 788	500 ± 347	991 ± 1043
CD58 + CD2	441 ± 796	132 ± 327	167 ± 324	156 ± 321	238 ± 345
CD58 + CD207	429 ± 433	420 ± 435	393 ± 462	464 ± 411	646 ± 519
CD58 + CD24	15 ± 31	13 ± 31	14 ± 31	16 ± 31	23 ± 34
CD58 + CD28	135 ± 276	28 ± 66	31 ± 65	37 ± 66	48 ± 80
CD58 + CD29	5933 ± 9565	2327 ± 3211	2253 ± 3196	2599 ± 3373	3541 ± 3577
CD58 + CD3	409 ± 808	127 ± 327	142 ± 322	198 ± 355	303 ± 467
CD58 + CD31	7 ± 10	7 ± 11	19 ± 40	24 ± 45	6 ± 10
CD58 + CD4	96 ± 171	48 ± 118	52 ± 117	62 ± 119	65 ± 119
CD58 + CD44	10428 ± 17394	4183 ± 6057	4818 ± 6315	4810 ± 6016	6959 ± 8007
CD58 + CD45	249 ± 409	70 ± 125	100 ± 133	119 ± 148	135 ± 149
CD58 + CD45RA	85 ± 163	46 ± 133	48 ± 132	51 ± 131	51 ± 131
CD58 + CD45RO	170 ± 370	45 ± 131	51 ± 129	77 ± 139	173 ± 306
CD58 + CD52	30 ± 44	9 ± 18	7 ± 17	11 ± 20	16 ± 21
CD58 + CD54	610 ± 1218	236 ± 683	248 ± 680	284 ± 677	347 ± 680
CD58 + CD56	9 ± 16	14 ± 25	17 ± 34	13 ± 24	13 ± 19
CD58 + CD62E	1 ± 2	1 ± 1	1 ± 2	1 ± 2	1 ± 2
CD58 + CD62P	1 ± 1	1 ± 2	0 ± 1	7 ± 19	0 ± 1
CD58 + CD68	311 ± 472	317 ± 468	312 ± 473	307 ± 474	340 ± 455
CD58 + CD7	292 ± 605	93 ± 264	144 ± 278	158 ± 296	150 ± 267
CD58 + CD8a	217 ± 378	94 ± 272	104 ± 269	115 ± 270	180 ± 298
CD58 + CK14	19490 ± 28431	8097 ± 11535	9453 ± 11911	9452 ± 11411	12957 ± 13422
CD58 + CLA	275 ± 344	200 ± 361	213 ± 354	224 ± 349	319 ± 383
CD58 + c-myc	4235 ± 3653	3164 ± 2678	2506 ± 2948	2988 ± 2686	3057 ± 2551
CD58 + Collagen IV	847 ± 1847	212 ± 591	236 ± 587	425 ± 817	338 ± 628
CD58 + FXIIIA	3 ± 7	4 ± 7	9 ± 19	3 ± 7	4 ± 7
CD58 + HLA-DR	6421 ± 12253	2127 ± 3492	1879 ± 3570	2104 ± 3465	3372 ± 4486
CD58 + IL-22R	4143 ± 3461	3076 ± 3635	2963 ± 3718	3085 ± 3626	3066 ± 3633
CD58 + IL-23R	1670 ± 2127	1560 ± 2139	941 ± 1511	1025 ± 1459	1016 ± 1466
CD58 + Ki67	707 ± 1351	203 ± 448	242 ± 445	192 ± 452	207 ± 445
CD58 + PI	4316 ± 6633	1744 ± 2586	1941 ± 2612	2091 ± 2730	3247 ± 3752
CD58 + Podoplanin	2807 ± 6374	435 ± 1270	455 ± 1263	1052 ± 2133	506 ± 1263
CD58 + SNA1	2938 ± 7743	328 ± 767	330 ± 766	451 ± 848	723 ± 1104
CD58 + STAT3	5905 ± 8312	3309 ± 4486	2616 ± 4553	3172 ± 4349	2838 ± 4427
CD58 + TIA1	46 ± 90	18 ± 42	29 ± 45	16 ± 41	22 ± 42
CD58 + Vimentin	1513 ± 2287	780 ± 1456	819 ± 1462	911 ± 1438	1256 ± 1536

Tabelle 211: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	0 ± 0	0 ± 0	3 ± 9	0 ± 0	0 ± 0
CD62E + BCL2	12 ± 15	7 ± 13	8 ± 12	6 ± 13	8 ± 12
CD62E + CCR6	1 ± 3	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62E + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD11b	2 ± 4	1 ± 3	1 ± 3	30 ± 86	1 ± 3
CD62E + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	14 ± 16	17 ± 27	9 ± 13	6 ± 13	7 ± 13
CD62E + CD15	1 ± 2	1 ± 2	1 ± 2	8 ± 22	2 ± 4
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + CD2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD207	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD62E + CD24	1 ± 3	0 ± 0	0 ± 0	6 ± 18	0 ± 0
CD62E + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD29	18 ± 35	7 ± 14	9 ± 16	5 ± 14	5 ± 14
CD62E + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD31	1 ± 4	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD62E + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD44	3 ± 7	8 ± 23	2 ± 4	0 ± 1	0 ± 1
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + CD45RO	1 ± 2	0 ± 0	0 ± 1	32 ± 95	0 ± 0
CD62E + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD54	2 ± 7	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD62E + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	1 ± 2	1 ± 1	1 ± 2	1 ± 2	1 ± 2
CD62E + CD62P	5 ± 8	2 ± 7	3 ± 7	29 ± 79	2 ± 7
CD62E + CD68	1 ± 3	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	24 ± 47	13 ± 22	10 ± 14	24 ± 50	8 ± 14
CD62E + CLA	0 ± 1	0 ± 0	0 ± 0	4 ± 12	0 ± 0
CD62E + c-myc	20 ± 37	12 ± 26	6 ± 8	9 ± 18	4 ± 5
CD62E + Collagen IV	3 ± 8	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + FXIIIA	3 ± 9	0 ± 1	0 ± 1	0 ± 1	2 ± 4
CD62E + HLA-DR	1 ± 3	3 ± 6	2 ± 4	1 ± 3	1 ± 3
CD62E + IL-22R	2 ± 5	8 ± 15	3 ± 5	2 ± 5	3 ± 6
CD62E + IL-23R	7 ± 10	9 ± 18	3 ± 5	18 ± 46	4 ± 5
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	15 ± 29	4 ± 10	5 ± 11	29 ± 75	4 ± 11
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	16 ± 44	1 ± 1	3 ± 8	3 ± 9	0 ± 1
CD62E + STAT3	9 ± 9	12 ± 21	6 ± 8	54 ± 150	6 ± 7
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD62E + Vimentin	6 ± 15	0 ± 1	3 ± 10	0 ± 0	0 ± 0

Tabelle 212: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	1 ± 1	9 ± 26	1 ± 2	9 ± 27	0 ± 1
CD62P + BCL2	23 ± 40	8 ± 22	8 ± 22	8 ± 22	8 ± 22
CD62P + CCR6	1 ± 2	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11a	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD11b	4 ± 8	2 ± 4	2 ± 4	17 ± 45	2 ± 4
CD62P + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD120b	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	19 ± 33	19 ± 33	8 ± 23	12 ± 25	13 ± 25
CD62P + CD15	4 ± 9	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD62P + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	4 ± 7	0 ± 1	0 ± 1	3 ± 9	3 ± 7
CD62P + CD28	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 3
CD62P + CD29	13 ± 27	19 ± 34	11 ± 27	31 ± 67	12 ± 27
CD62P + CD3	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD31	1 ± 2	1 ± 2	1 ± 3	33 ± 97	1 ± 2
CD62P + CD4	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD44	2 ± 6	2 ± 4	0 ± 0	0 ± 0	3 ± 10
CD62P + CD45	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62P + CD45RO	2 ± 4	0 ± 0	0 ± 0	28 ± 84	0 ± 0
CD62P + CD52	2 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD54	2 ± 5	1 ± 2	1 ± 3	33 ± 96	1 ± 2
CD62P + CD56	0 ± 0	5 ± 12	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	1 ± 1	1 ± 2	0 ± 1	7 ± 19	0 ± 1
CD62P + CD62E	5 ± 8	2 ± 7	3 ± 7	29 ± 79	2 ± 7
CD62P + CD68	2 ± 3	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD62P + CD7	2 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD8a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CK14	21 ± 39	21 ± 36	9 ± 28	18 ± 35	16 ± 32
CD62P + CLA	0 ± 1	0 ± 0	0 ± 0	2 ± 7	0 ± 0
CD62P + c-myc	16 ± 40	10 ± 28	1 ± 2	8 ± 22	1 ± 2
CD62P + Collagen IV	1 ± 2	1 ± 2	1 ± 2	16 ± 45	1 ± 2
CD62P + FXIIIA	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + HLA-DR	4 ± 8	4 ± 6	2 ± 6	4 ± 7	2 ± 6
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	16 ± 40	2 ± 3	1 ± 2	13 ± 36	1 ± 2
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	10 ± 20	10 ± 21	7 ± 19	39 ± 97	14 ± 27
CD62P + Podoplanin	0 ± 0	5 ± 15	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	6 ± 10	2 ± 2	2 ± 2	18 ± 49	2 ± 3
CD62P + STAT3	19 ± 40	13 ± 28	3 ± 10	34 ± 92	3 ± 10
CD62P + TIA1	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	2 ± 3	3 ± 5	2 ± 3	33 ± 97	1 ± 2

Tabelle 213: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	2 ± 4	28 ± 78	5 ± 9	1 ± 4	2 ± 4
CD68 + BCL2	549 ± 391	459 ± 404	540 ± 360	445 ± 411	541 ± 421
CD68 + CCR6	42 ± 55	44 ± 51	31 ± 44	52 ± 49	31 ± 44
CD68 + CD11a	119 ± 209	107 ± 214	137 ± 204	123 ± 207	113 ± 211
CD68 + CD11b	116 ± 286	110 ± 288	115 ± 286	116 ± 286	159 ± 296
CD68 + CD120a	105 ± 100	117 ± 93	100 ± 99	117 ± 91	116 ± 97
CD68 + CD120b	14 ± 26	10 ± 26	11 ± 26	10 ± 26	10 ± 26
CD68 + CD138	574 ± 544	662 ± 502	524 ± 512	555 ± 551	611 ± 582
CD68 + CD15	26 ± 43	20 ± 40	19 ± 41	21 ± 40	27 ± 41
CD68 + CD1a	174 ± 211	214 ± 206	166 ± 217	198 ± 204	238 ± 231
CD68 + CD2	164 ± 246	151 ± 255	214 ± 253	166 ± 245	192 ± 237
CD68 + CD207	217 ± 215	285 ± 203	196 ± 221	213 ± 212	254 ± 227
CD68 + CD24	10 ± 29	10 ± 29	10 ± 29	11 ± 29	11 ± 29
CD68 + CD28	32 ± 53	27 ± 54	30 ± 53	29 ± 53	28 ± 54
CD68 + CD29	1202 ± 1330	1355 ± 1262	1240 ± 1298	1256 ± 1375	1210 ± 1386
CD68 + CD3	125 ± 207	109 ± 214	125 ± 207	127 ± 206	118 ± 210
CD68 + CD31	11 ± 14	9 ± 14	13 ± 14	10 ± 14	12 ± 15
CD68 + CD4	71 ± 130	63 ± 132	69 ± 129	71 ± 130	67 ± 130
CD68 + CD44	611 ± 683	659 ± 663	652 ± 659	673 ± 656	794 ± 859
CD68 + CD45	85 ± 100	71 ± 108	95 ± 104	78 ± 103	117 ± 162
CD68 + CD45RA	49 ± 110	46 ± 112	47 ± 111	52 ± 110	47 ± 111
CD68 + CD45RO	67 ± 164	60 ± 167	86 ± 163	75 ± 163	94 ± 167
CD68 + CD52	9 ± 19	9 ± 19	9 ± 19	10 ± 19	12 ± 19
CD68 + CD54	188 ± 453	162 ± 461	181 ± 457	177 ± 457	185 ± 457
CD68 + CD56	6 ± 9	20 ± 32	11 ± 16	6 ± 8	6 ± 6
CD68 + CD58	311 ± 472	317 ± 468	312 ± 473	307 ± 474	340 ± 455
CD68 + CD62E	1 ± 3	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD68 + CD62P	2 ± 3	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD68 + CD7	78 ± 153	68 ± 157	110 ± 164	83 ± 151	86 ± 155
CD68 + CD8a	62 ± 126	59 ± 128	65 ± 125	62 ± 126	70 ± 127
CD68 + CK14	2133 ± 2116	2574 ± 1857	2148 ± 2089	2410 ± 2126	2354 ± 2155
CD68 + CLA	192 ± 217	149 ± 234	166 ± 224	179 ± 215	166 ± 223
CD68 + c-myc	554 ± 516	698 ± 555	557 ± 530	482 ± 554	526 ± 541
CD68 + Collagen IV	320 ± 494	415 ± 450	390 ± 469	362 ± 473	387 ± 484
CD68 + FXIIIA	6 ± 13	7 ± 13	7 ± 13	6 ± 13	24 ± 42
CD68 + HLA-DR	606 ± 647	767 ± 596	539 ± 676	564 ± 668	566 ± 661
CD68 + IL-22R	249 ± 355	256 ± 348	226 ± 365	241 ± 356	265 ± 349
CD68 + IL-23R	87 ± 96	120 ± 119	84 ± 98	115 ± 85	102 ± 94
CD68 + Ki67	76 ± 101	96 ± 101	77 ± 102	126 ± 150	96 ± 114
CD68 + PI	1168 ± 1114	1434 ± 1010	1143 ± 1114	1214 ± 1119	1289 ± 1143
CD68 + Podoplanin	51 ± 77	95 ± 155	38 ± 76	29 ± 77	29 ± 77
CD68 + SNA1	413 ± 435	490 ± 418	407 ± 431	390 ± 445	421 ± 448
CD68 + STAT3	148 ± 278	218 ± 288	162 ± 287	148 ± 276	170 ± 276
CD68 + TIA1	20 ± 39	19 ± 39	25 ± 38	19 ± 39	23 ± 38
CD68 + Vimentin	1640 ± 1288	1691 ± 1169	1529 ± 1273	1655 ± 1326	1653 ± 1395

Tabelle 214: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + BCL2	56 ± 110	13 ± 14	81 ± 95	60 ± 84	24 ± 19
CD7 + CCR6	28 ± 36	9 ± 19	19 ± 23	33 ± 36	21 ± 28
CD7 + CD11a	251 ± 417	115 ± 287	298 ± 345	248 ± 362	144 ± 282
CD7 + CD11b	44 ± 100	34 ± 101	34 ± 101	44 ± 99	36 ± 101
CD7 + CD120a	9 ± 11	6 ± 10	9 ± 11	11 ± 12	12 ± 16
CD7 + CD120b	41 ± 70	15 ± 46	28 ± 46	28 ± 49	24 ± 46
CD7 + CD138	267 ± 525	85 ± 233	296 ± 355	208 ± 282	132 ± 228
CD7 + CD15	5 ± 7	1 ± 2	1 ± 2	5 ± 11	1 ± 3
CD7 + CD1a	58 ± 105	30 ± 78	41 ± 79	63 ± 103	44 ± 80
CD7 + CD2	253 ± 390	105 ± 240	324 ± 375	181 ± 232	177 ± 236
CD7 + CD207	34 ± 50	18 ± 35	31 ± 40	54 ± 81	30 ± 40
CD7 + CD24	7 ± 14	3 ± 8	4 ± 9	4 ± 9	3 ± 8
CD7 + CD28	101 ± 185	31 ± 80	65 ± 90	47 ± 77	45 ± 83
CD7 + CD29	225 ± 404	77 ± 218	333 ± 413	240 ± 330	111 ± 214
CD7 + CD3	284 ± 458	138 ± 359	318 ± 401	336 ± 475	227 ± 369
CD7 + CD31	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD7 + CD4	94 ± 167	47 ± 116	75 ± 114	65 ± 116	56 ± 114
CD7 + CD44	371 ± 630	158 ± 413	470 ± 539	516 ± 684	245 ± 404
CD7 + CD45	146 ± 221	48 ± 109	223 ± 264	131 ± 159	90 ± 123
CD7 + CD45RA	117 ± 212	65 ± 183	90 ± 185	73 ± 181	70 ± 182
CD7 + CD45RO	117 ± 220	45 ± 129	146 ± 175	127 ± 168	84 ± 135
CD7 + CD52	18 ± 25	5 ± 14	19 ± 35	10 ± 16	14 ± 19
CD7 + CD54	173 ± 332	97 ± 291	168 ± 333	113 ± 287	100 ± 290
CD7 + CD56	17 ± 31	10 ± 29	14 ± 30	15 ± 31	11 ± 29
CD7 + CD58	292 ± 605	93 ± 264	144 ± 278	158 ± 296	150 ± 267
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD68	78 ± 153	68 ± 157	110 ± 164	83 ± 151	86 ± 155
CD7 + CD8a	125 ± 191	62 ± 165	146 ± 188	108 ± 167	119 ± 179
CD7 + CK14	485 ± 765	218 ± 563	671 ± 772	676 ± 875	318 ± 548
CD7 + CLA	106 ± 165	73 ± 173	121 ± 171	162 ± 216	104 ± 174
CD7 + c-myc	118 ± 198	26 ± 60	93 ± 101	87 ± 114	44 ± 62
CD7 + Collagen IV	82 ± 180	18 ± 49	90 ± 126	72 ± 105	24 ± 50
CD7 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD7 + HLA-DR	371 ± 663	131 ± 346	277 ± 392	304 ± 463	189 ± 342
CD7 + IL-22R	48 ± 88	31 ± 82	38 ± 80	40 ± 79	38 ± 80
CD7 + IL-23R	27 ± 67	5 ± 15	6 ± 14	10 ± 16	9 ± 16
CD7 + Ki67	18 ± 36	13 ± 35	25 ± 36	23 ± 40	14 ± 35
CD7 + PI	251 ± 364	104 ± 243	330 ± 357	314 ± 404	185 ± 262
CD7 + Podoplanin	81 ± 189	10 ± 29	18 ± 34	75 ± 180	11 ± 29
CD7 + SNA1	258 ± 594	30 ± 82	174 ± 214	96 ± 113	63 ± 97
CD7 + STAT3	72 ± 186	5 ± 12	6 ± 12	27 ± 55	11 ± 13
CD7 + TIA1	57 ± 100	20 ± 50	44 ± 59	31 ± 50	28 ± 49
CD7 + Vimentin	293 ± 456	153 ± 402	333 ± 422	302 ± 427	230 ± 387

Tabelle 215: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + BCL2	42 ± 55	17 ± 29	36 ± 39	17 ± 29	32 ± 37
CD8a + CCR6	21 ± 36	9 ± 25	13 ± 25	17 ± 25	20 ± 36
CD8a + CD11a	199 ± 264	101 ± 226	190 ± 223	145 ± 219	131 ± 222
CD8a + CD11b	15 ± 43	14 ± 43	15 ± 43	15 ± 43	16 ± 43
CD8a + CD120a	9 ± 23	8 ± 23	9 ± 23	10 ± 23	11 ± 23
CD8a + CD120b	8 ± 12	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD8a + CD138	241 ± 370	90 ± 247	156 ± 256	120 ± 242	151 ± 252
CD8a + CD15	3 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD8a + CD1a	13 ± 34	12 ± 35	15 ± 34	21 ± 40	22 ± 35
CD8a + CD2	292 ± 351	139 ± 303	233 ± 291	179 ± 292	242 ± 312
CD8a + CD207	6 ± 8	4 ± 8	5 ± 8	13 ± 24	8 ± 11
CD8a + CD24	5 ± 10	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD8a + CD28	44 ± 76	9 ± 21	22 ± 36	11 ± 21	13 ± 23
CD8a + CD29	192 ± 242	83 ± 184	133 ± 179	108 ± 178	139 ± 183
CD8a + CD3	220 ± 308	108 ± 255	200 ± 263	166 ± 261	213 ± 312
CD8a + CD31	0 ± 0	0 ± 0	0 ± 0	4 ± 11	0 ± 0
CD8a + CD4	10 ± 23	10 ± 23	17 ± 29	11 ± 23	10 ± 23
CD8a + CD44	288 ± 438	150 ± 389	255 ± 380	238 ± 397	271 ± 407
CD8a + CD45	129 ± 159	36 ± 85	111 ± 127	72 ± 96	76 ± 100
CD8a + CD45RA	53 ± 101	49 ± 103	54 ± 100	50 ± 102	53 ± 101
CD8a + CD45RO	58 ± 103	13 ± 37	49 ± 72	33 ± 49	49 ± 75
CD8a + CD52	28 ± 36	9 ± 22	22 ± 35	12 ± 21	21 ± 29
CD8a + CD54	50 ± 102	35 ± 105	38 ± 104	44 ± 104	35 ± 105
CD8a + CD56	1 ± 1	0 ± 1	2 ± 4	0 ± 1	0 ± 1
CD8a + CD58	217 ± 378	94 ± 272	104 ± 269	115 ± 270	180 ± 298
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD68	62 ± 126	59 ± 128	65 ± 125	62 ± 126	70 ± 127
CD8a + CD7	125 ± 191	62 ± 165	146 ± 188	108 ± 167	119 ± 179
CD8a + CK14	489 ± 653	276 ± 640	418 ± 614	387 ± 630	441 ± 649
CD8a + CLA	139 ± 252	120 ± 260	162 ± 253	143 ± 251	185 ± 270
CD8a + c-myc	103 ± 125	54 ± 118	87 ± 117	78 ± 127	81 ± 121
CD8a + Collagen IV	62 ± 94	36 ± 84	62 ± 85	49 ± 85	51 ± 84
CD8a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD8a + HLA-DR	252 ± 397	135 ± 359	196 ± 358	167 ± 351	216 ± 377
CD8a + IL-22R	49 ± 88	34 ± 89	36 ± 89	36 ± 89	38 ± 88
CD8a + IL-23R	9 ± 15	4 ± 9	4 ± 9	4 ± 9	6 ± 9
CD8a + Ki67	16 ± 24	10 ± 23	13 ± 23	11 ± 23	12 ± 23
CD8a + PI	284 ± 343	144 ± 329	234 ± 313	184 ± 317	265 ± 372
CD8a + Podoplanin	69 ± 112	22 ± 65	23 ± 64	35 ± 72	23 ± 65
CD8a + SNA1	145 ± 252	47 ± 109	93 ± 114	63 ± 106	93 ± 135
CD8a + STAT3	31 ± 47	4 ± 8	4 ± 8	6 ± 10	8 ± 9
CD8a + TIA1	51 ± 71	29 ± 67	45 ± 64	34 ± 65	37 ± 65
CD8a + Vimentin	239 ± 404	147 ± 406	205 ± 397	179 ± 397	231 ± 398

Tabelle 216: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	6 ± 11	682 ± 2028	71 ± 192	4 ± 11	8 ± 13
CK14 + BCL2	7581 ± 8707	2750 ± 3563	5112 ± 4561	2702 ± 3527	3315 ± 3268
CK14 + CCR6	287 ± 318	302 ± 316	237 ± 241	287 ± 321	550 ± 734
CK14 + CD11a	583 ± 789	288 ± 565	585 ± 572	532 ± 631	346 ± 547
CK14 + CD11b	321 ± 578	233 ± 597	258 ± 588	538 ± 1009	354 ± 602
CK14 + CD120a	295 ± 124	336 ± 219	283 ± 141	375 ± 145	309 ± 193
CK14 + CD120b	50 ± 71	23 ± 44	39 ± 48	30 ± 44	32 ± 45
CK14 + CD138	58058 ± 53785	22549 ± 19493	39162 ± 28405	30098 ± 20268	35738 ± 28116
CK14 + CD15	80 ± 81	52 ± 49	38 ± 52	143 ± 294	68 ± 58
CK14 + CD1a	879 ± 376	873 ± 537	829 ± 790	1096 ± 558	1716 ± 1776
CK14 + CD2	900 ± 1018	360 ± 643	775 ± 714	563 ± 616	637 ± 573
CK14 + CD207	1123 ± 520	1113 ± 594	1119 ± 483	1320 ± 559	1511 ± 774
CK14 + CD24	141 ± 318	115 ± 322	120 ± 321	174 ± 336	176 ± 328
CK14 + CD28	172 ± 261	58 ± 110	105 ± 125	79 ± 103	84 ± 118
CK14 + CD29	20227 ± 17479	10640 ± 9248	13720 ± 9615	12437 ± 10003	13988 ± 9015
CK14 + CD3	694 ± 965	304 ± 653	660 ± 775	617 ± 831	595 ± 795
CK14 + CD31	11 ± 14	15 ± 21	67 ± 167	23 ± 31	10 ± 13
CK14 + CD4	166 ± 252	121 ± 242	168 ± 227	152 ± 237	144 ± 234
CK14 + CD44	27296 ± 25758	13917 ± 15364	24531 ± 19589	21849 ± 16465	23809 ± 19959
CK14 + CD45	427 ± 515	116 ± 193	395 ± 384	270 ± 273	240 ± 302
CK14 + CD45RA	201 ± 344	146 ± 346	185 ± 337	164 ± 340	160 ± 341
CK14 + CD45RO	248 ± 456	75 ± 211	255 ± 333	278 ± 403	320 ± 467
CK14 + CD52	84 ± 107	30 ± 43	30 ± 43	25 ± 34	36 ± 38
CK14 + CD54	1551 ± 2732	636 ± 1861	806 ± 1854	743 ± 1835	851 ± 1838
CK14 + CD56	45 ± 52	239 ± 418	118 ± 163	44 ± 55	70 ± 63
CK14 + CD58	19490 ± 28431	8097 ± 11535	9453 ± 11911	9452 ± 11411	12957 ± 13422
CK14 + CD62E	24 ± 47	13 ± 22	10 ± 14	24 ± 50	8 ± 14
CK14 + CD62P	21 ± 39	21 ± 36	9 ± 28	18 ± 35	16 ± 32
CK14 + CD68	2133 ± 2116	2574 ± 1857	2148 ± 2089	2410 ± 2126	2354 ± 2155
CK14 + CD7	485 ± 765	218 ± 563	671 ± 772	676 ± 875	318 ± 548
CK14 + CD8a	489 ± 653	276 ± 640	418 ± 614	387 ± 630	441 ± 649
CK14 + CLA	941 ± 701	538 ± 822	764 ± 760	805 ± 773	878 ± 814
CK14 + c-myc	17587 ± 8166	13091 ± 5817	10265 ± 5434	12122 ± 5631	12706 ± 5191
CK14 + Collagen IV	3747 ± 4079	2757 ± 3414	3724 ± 3255	4504 ± 4137	3588 ± 3200
CK14 + FXIIIA	23 ± 30	20 ± 28	37 ± 53	19 ± 28	80 ± 124
CK14 + HLA-DR	15893 ± 19537	8020 ± 8962	8738 ± 10568	7923 ± 9288	9166 ± 10126
CK14 + IL-22R	13263 ± 7970	8501 ± 8962	9383 ± 8698	8985 ± 8782	8782 ± 8796
CK14 + IL-23R	3770 ± 4190	3207 ± 4873	1530 ± 1882	3511 ± 2822	2747 ± 2126
CK14 + Ki67	4920 ± 3711	2362 ± 3458	4482 ± 4385	3256 ± 3390	3073 ± 3649
CK14 + PI	26477 ± 11176	16921 ± 9278	22159 ± 10931	20569 ± 8839	25378 ± 12719
CK14 + Podoplanin	5760 ± 9180	1693 ± 3110	1514 ± 3076	2909 ± 5817	1177 ± 3104
CK14 + SNA1	9725 ± 14778	3131 ± 2373	5175 ± 3605	4245 ± 2995	4497 ± 2652
CK14 + STAT3	15396 ± 13486	8462 ± 5967	6156 ± 6383	13301 ± 17382	9675 ± 6081
CK14 + TIA1	86 ± 117	49 ± 81	91 ± 93	61 ± 85	52 ± 75
CK14 + Vimentin	6861 ± 4994	4291 ± 4361	5288 ± 4293	5681 ± 4133	5798 ± 4377

Tabelle 217: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + BCL2	67 ± 59	38 ± 60	68 ± 71	65 ± 72	75 ± 69
CLA + CCR6	29 ± 33	15 ± 27	18 ± 27	23 ± 27	28 ± 34
CLA + CD11a	158 ± 228	131 ± 239	167 ± 225	196 ± 249	152 ± 233
CLA + CD11b	44 ± 84	29 ± 82	29 ± 82	55 ± 98	34 ± 81
CLA + CD120a	82 ± 71	44 ± 73	59 ± 69	62 ± 71	50 ± 69
CLA + CD120b	9 ± 16	5 ± 14	7 ± 14	9 ± 15	8 ± 14
CLA + CD138	584 ± 453	255 ± 453	392 ± 443	339 ± 438	408 ± 480
CLA + CD15	21 ± 31	9 ± 15	8 ± 15	29 ± 61	11 ± 14
CLA + CD1a	164 ± 154	73 ± 142	94 ± 135	142 ± 209	146 ± 182
CLA + CD2	225 ± 255	161 ± 272	226 ± 257	207 ± 251	250 ± 261
CLA + CD207	253 ± 213	110 ± 201	170 ± 215	178 ± 235	170 ± 202
CLA + CD24	3 ± 6	2 ± 5	2 ± 5	17 ± 45	4 ± 7
CLA + CD28	29 ± 40	21 ± 40	25 ± 39	24 ± 39	25 ± 40
CLA + CD29	275 ± 232	143 ± 247	224 ± 235	216 ± 229	212 ± 229
CLA + CD3	175 ± 216	118 ± 223	165 ± 211	189 ± 224	195 ± 250
CLA + CD31	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CLA + CD4	43 ± 67	37 ± 69	40 ± 67	44 ± 68	41 ± 67
CLA + CD44	456 ± 451	295 ± 510	421 ± 477	481 ± 498	521 ± 598
CLA + CD45	98 ± 88	60 ± 96	95 ± 88	102 ± 116	74 ± 90
CLA + CD45RA	76 ± 131	61 ± 137	68 ± 134	78 ± 134	74 ± 134
CLA + CD45RO	36 ± 59	16 ± 39	39 ± 50	63 ± 85	44 ± 63
CLA + CD52	11 ± 16	9 ± 15	8 ± 13	7 ± 13	14 ± 23
CLA + CD54	67 ± 118	39 ± 117	44 ± 116	56 ± 119	50 ± 115
CLA + CD56	9 ± 17	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CLA + CD58	275 ± 344	200 ± 361	213 ± 354	224 ± 349	319 ± 383
CLA + CD62E	0 ± 1	0 ± 0	0 ± 0	4 ± 12	0 ± 0
CLA + CD62P	0 ± 1	0 ± 0	0 ± 0	2 ± 7	0 ± 0
CLA + CD68	192 ± 217	149 ± 234	166 ± 224	179 ± 215	166 ± 223
CLA + CD7	106 ± 165	73 ± 173	121 ± 171	162 ± 216	104 ± 174
CLA + CD8a	139 ± 252	120 ± 260	162 ± 253	143 ± 251	185 ± 270
CLA + CK14	941 ± 701	538 ± 822	764 ± 760	805 ± 773	878 ± 814
CLA + c-myc	195 ± 160	102 ± 154	117 ± 148	129 ± 145	131 ± 146
CLA + Collagen IV	61 ± 81	24 ± 43	35 ± 41	54 ± 68	34 ± 41
CLA + FXIIIA	2 ± 4	1 ± 4	1 ± 4	1 ± 4	7 ± 13
CLA + HLA-DR	626 ± 440	300 ± 475	433 ± 487	455 ± 511	483 ± 542
CLA + IL-22R	203 ± 229	157 ± 253	163 ± 249	162 ± 250	161 ± 250
CLA + IL-23R	43 ± 65	25 ± 66	28 ± 65	35 ± 68	36 ± 65
CLA + Ki67	42 ± 49	25 ± 51	34 ± 49	37 ± 50	35 ± 48
CLA + PI	396 ± 277	226 ± 316	314 ± 276	353 ± 311	417 ± 365
CLA + Podoplanin	49 ± 72	22 ± 65	24 ± 64	32 ± 66	25 ± 64
CLA + SNA1	182 ± 235	54 ± 109	100 ± 135	102 ± 105	149 ± 202
CLA + STAT3	163 ± 288	102 ± 294	103 ± 293	114 ± 292	117 ± 290
CLA + TIA1	36 ± 46	19 ± 40	25 ± 39	32 ± 46	28 ± 40
CLA + Vimentin	616 ± 532	313 ± 560	476 ± 536	468 ± 556	517 ± 544

Tabelle 218: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	4 ± 7	719 ± 2149	72 ± 201	2 ± 5	3 ± 5
c-myc + BCL2	3634 ± 4155	1972 ± 3426	1924 ± 3413	1814 ± 3475	1987 ± 3387
c-myc + CCR6	127 ± 142	332 ± 449	96 ± 165	76 ± 81	302 ± 469
c-myc + CD11a	194 ± 345	54 ± 99	121 ± 139	142 ± 181	69 ± 99
c-myc + CD11b	166 ± 295	106 ± 305	117 ± 301	160 ± 324	159 ± 304
c-myc + CD120a	72 ± 52	114 ± 70	57 ± 60	83 ± 66	72 ± 52
c-myc + CD120b	40 ± 62	13 ± 21	17 ± 24	13 ± 21	19 ± 24
c-myc + CD138	9839 ± 5541	9486 ± 5524	5242 ± 4296	5455 ± 4214	5722 ± 4215
c-myc + CD15	70 ± 69	40 ± 41	25 ± 38	68 ± 115	49 ± 64
c-myc + CD1a	241 ± 205	518 ± 483	191 ± 234	260 ± 282	275 ± 216
c-myc + CD2	154 ± 173	51 ± 74	94 ± 72	68 ± 70	74 ± 65
c-myc + CD207	318 ± 307	708 ± 697	330 ± 351	315 ± 331	337 ± 309
c-myc + CD24	34 ± 46	12 ± 21	12 ± 21	28 ± 49	14 ± 22
c-myc + CD28	52 ± 71	11 ± 19	23 ± 31	19 ± 20	20 ± 26
c-myc + CD29	5700 ± 4284	3841 ± 3278	3795 ± 3104	3673 ± 3549	4076 ± 3259
c-myc + CD3	119 ± 160	38 ± 61	97 ± 118	91 ± 124	119 ± 169
c-myc + CD31	21 ± 39	15 ± 25	71 ± 176	11 ± 16	7 ± 16
c-myc + CD4	86 ± 154	63 ± 150	83 ± 146	88 ± 153	78 ± 147
c-myc + CD44	4442 ± 3156	4566 ± 2181	3213 ± 2442	3607 ± 2555	3814 ± 2518
c-myc + CD45	115 ± 149	28 ± 41	81 ± 114	73 ± 110	42 ± 44
c-myc + CD45RA	73 ± 121	34 ± 91	46 ± 90	46 ± 92	39 ± 90
c-myc + CD45RO	52 ± 100	10 ± 26	47 ± 81	35 ± 62	46 ± 70
c-myc + CD52	45 ± 99	16 ± 38	12 ± 28	7 ± 9	6 ± 7
c-myc + CD54	281 ± 399	98 ± 262	101 ± 261	137 ± 270	125 ± 260
c-myc + CD56	30 ± 34	162 ± 397	95 ± 172	26 ± 42	35 ± 38
c-myc + CD58	4235 ± 3653	3164 ± 2678	2506 ± 2948	2988 ± 2686	3057 ± 2551
c-myc + CD62E	20 ± 37	12 ± 26	6 ± 8	9 ± 18	4 ± 5
c-myc + CD62P	16 ± 40	10 ± 28	1 ± 2	8 ± 22	1 ± 2
c-myc + CD68	554 ± 516	698 ± 555	557 ± 530	482 ± 554	526 ± 541
c-myc + CD7	118 ± 198	26 ± 60	93 ± 101	87 ± 114	44 ± 62
c-myc + CD8a	103 ± 125	54 ± 118	87 ± 117	78 ± 127	81 ± 121
c-myc + CK14	17587 ± 8166	13091 ± 5817	10265 ± 5434	12122 ± 5631	12706 ± 5191
c-myc + CLA	195 ± 160	102 ± 154	117 ± 148	129 ± 145	131 ± 146
c-myc + Collagen IV	4672 ± 6054	2807 ± 4711	3664 ± 4512	4473 ± 5242	3608 ± 4557
c-myc + FXIIIA	32 ± 45	27 ± 43	41 ± 65	24 ± 44	39 ± 53
c-myc + HLA-DR	2954 ± 2780	2455 ± 1322	1428 ± 1326	1431 ± 1313	1569 ± 1273
c-myc + IL-22R	4638 ± 3632	3717 ± 3227	2734 ± 3735	3304 ± 3557	3271 ± 3597
c-myc + IL-23R	2915 ± 2158	2452 ± 2749	1516 ± 1967	2366 ± 1517	2283 ± 1831
c-myc + Ki67	598 ± 950	215 ± 228	135 ± 142	127 ± 159	183 ± 241
c-myc + PI	3613 ± 2986	3443 ± 3029	1888 ± 1364	1820 ± 1542	2040 ± 1295
c-myc + Podoplanin	966 ± 1589	530 ± 1020	337 ± 596	628 ± 1367	214 ± 512
c-myc + SNA1	6553 ± 6339	2528 ± 2597	3871 ± 2779	3536 ± 3224	3548 ± 2738
c-myc + STAT3	7186 ± 3976	6246 ± 3963	3708 ± 3968	4394 ± 3114	4715 ± 3635
c-myc + TIA1	43 ± 85	23 ± 42	43 ± 67	18 ± 31	12 ± 26
c-myc + Vimentin	1745 ± 1385	1220 ± 1380	1115 ± 1289	1206 ± 1337	1272 ± 1308

Tabelle 219: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	8 ± 17	55 ± 157	6 ± 10	10 ± 25	2 ± 6
Collagen IV + BCL2	231 ± 265	130 ± 145	228 ± 164	225 ± 265	200 ± 123
Collagen IV + CCR6	10 ± 16	6 ± 11	7 ± 7	14 ± 19	10 ± 14
Collagen IV + CD11a	138 ± 321	29 ± 71	92 ± 122	88 ± 122	38 ± 70
Collagen IV + CD11b	113 ± 249	87 ± 253	98 ± 249	101 ± 250	102 ± 250
Collagen IV + CD120a	13 ± 24	5 ± 7	5 ± 6	17 ± 35	15 ± 21
Collagen IV + CD120b	35 ± 72	7 ± 20	12 ± 21	8 ± 20	10 ± 20
Collagen IV + CD138	664 ± 1573	236 ± 316	386 ± 417	243 ± 300	209 ± 241
Collagen IV + CD15	32 ± 55	6 ± 14	7 ± 14	22 ± 37	8 ± 14
Collagen IV + CD1a	9 ± 19	5 ± 10	8 ± 19	3 ± 7	5 ± 8
Collagen IV + CD2	65 ± 114	24 ± 43	72 ± 81	36 ± 40	39 ± 40
Collagen IV + CD207	3 ± 5	2 ± 2	6 ± 8	7 ± 10	4 ± 10
Collagen IV + CD24	13 ± 21	6 ± 18	8 ± 18	12 ± 20	7 ± 18
Collagen IV + CD28	33 ± 72	5 ± 9	16 ± 27	10 ± 10	10 ± 16
Collagen IV + CD29	2277 ± 3246	1273 ± 2126	1705 ± 2056	1860 ± 2248	1559 ± 2060
Collagen IV + CD3	79 ± 149	21 ± 48	72 ± 97	58 ± 72	54 ± 97
Collagen IV + CD31	30 ± 39	12 ± 19	16 ± 18	89 ± 187	14 ± 19
Collagen IV + CD4	67 ± 122	43 ± 110	63 ± 107	56 ± 108	51 ± 108
Collagen IV + CD44	1134 ± 1948	444 ± 810	807 ± 827	851 ± 1032	703 ± 866
Collagen IV + CD45	44 ± 67	9 ± 22	60 ± 102	33 ± 46	15 ± 24
Collagen IV + CD45RA	56 ± 97	25 ± 66	34 ± 66	36 ± 64	27 ± 65
Collagen IV + CD45RO	35 ± 82	7 ± 22	44 ± 79	17 ± 25	23 ± 44
Collagen IV + CD52	5 ± 7	2 ± 4	10 ± 23	5 ± 7	3 ± 4
Collagen IV + CD54	209 ± 324	80 ± 217	94 ± 213	161 ± 285	91 ± 214
Collagen IV + CD56	21 ± 30	37 ± 59	30 ± 34	24 ± 40	26 ± 29
Collagen IV + CD58	847 ± 1847	212 ± 591	236 ± 587	425 ± 817	338 ± 628
Collagen IV + CD62E	3 ± 8	0 ± 0	0 ± 1	0 ± 0	0 ± 0
Collagen IV + CD62P	1 ± 2	1 ± 2	1 ± 2	16 ± 45	1 ± 2
Collagen IV + CD68	320 ± 494	415 ± 450	390 ± 469	362 ± 473	387 ± 484
Collagen IV + CD7	82 ± 180	18 ± 49	90 ± 126	72 ± 105	24 ± 50
Collagen IV + CD8a	62 ± 94	36 ± 84	62 ± 85	49 ± 85	51 ± 84
Collagen IV + CK14	3747 ± 4079	2757 ± 3414	3724 ± 3255	4504 ± 4137	3588 ± 3200
Collagen IV + CLA	61 ± 81	24 ± 43	35 ± 41	54 ± 68	34 ± 41
Collagen IV + c-myc	4672 ± 6054	2807 ± 4711	3664 ± 4512	4473 ± 5242	3608 ± 4557
Collagen IV + FXIIIA	16 ± 39	16 ± 39	17 ± 39	19 ± 38	31 ± 53
Collagen IV + HLA-DR	1192 ± 2095	469 ± 1035	595 ± 1020	609 ± 1035	538 ± 1026
Collagen IV + IL-22R	48 ± 75	31 ± 63	34 ± 62	35 ± 61	33 ± 62
Collagen IV + IL-23R	13 ± 26	21 ± 49	5 ± 9	21 ± 48	6 ± 9
Collagen IV + Ki67	64 ± 113	19 ± 43	37 ± 52	38 ± 53	30 ± 44
Collagen IV + PI	539 ± 686	318 ± 354	472 ± 408	500 ± 512	453 ± 382
Collagen IV + Podoplanin	436 ± 923	123 ± 267	119 ± 268	352 ± 770	107 ± 271
Collagen IV + SNA1	4024 ± 5695	2020 ± 2250	3101 ± 2464	3166 ± 2844	2475 ± 2086
Collagen IV + STAT3	12 ± 33	97 ± 274	35 ± 105	41 ± 123	0 ± 1
Collagen IV + TIA1	32 ± 73	8 ± 17	18 ± 23	13 ± 19	8 ± 17
Collagen IV + Vimentin	787 ± 1032	535 ± 858	646 ± 827	826 ± 918	678 ± 857

Tabelle 220: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	1 ± 2	4 ± 8	18 ± 50	1 ± 2	2 ± 3
FXIIIA + BCL2	9 ± 11	8 ± 10	8 ± 8	5 ± 9	16 ± 22
FXIIIA + CCR6	2 ± 4	6 ± 8	10 ± 31	0 ± 1	1 ± 1
FXIIIA + CD11a	4 ± 12	4 ± 12	4 ± 12	4 ± 12	4 ± 12
FXIIIA + CD11b	8 ± 22	8 ± 23	9 ± 22	8 ± 23	9 ± 22
FXIIIA + CD120a	0 ± 1	1 ± 2	1 ± 1	1 ± 2	1 ± 1
FXIIIA + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD138	8 ± 10	11 ± 10	25 ± 54	4 ± 7	28 ± 65
FXIIIA + CD15	0 ± 1	1 ± 2	1 ± 2	0 ± 1	6 ± 18
FXIIIA + CD1a	0 ± 0	1 ± 2	0 ± 0	0 ± 0	1 ± 2
FXIIIA + CD2	1 ± 2	1 ± 2	1 ± 2	1 ± 2	5 ± 11
FXIIIA + CD207	0 ± 0	1 ± 2	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 3	1 ± 3	2 ± 3	1 ± 3	1 ± 3
FXIIIA + CD28	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
FXIIIA + CD29	18 ± 38	18 ± 38	36 ± 62	15 ± 39	22 ± 38
FXIIIA + CD3	2 ± 5	1 ± 3	1 ± 3	3 ± 6	2 ± 3
FXIIIA + CD31	1 ± 3	2 ± 4	19 ± 52	1 ± 3	1 ± 3
FXIIIA + CD4	4 ± 12	4 ± 12	4 ± 12	5 ± 12	5 ± 12
FXIIIA + CD44	8 ± 13	6 ± 12	7 ± 11	7 ± 12	26 ± 58
FXIIIA + CD45	2 ± 6	2 ± 6	3 ± 6	2 ± 6	2 ± 6
FXIIIA + CD45RA	3 ± 10	3 ± 10	4 ± 10	3 ± 10	3 ± 10
FXIIIA + CD45RO	2 ± 7	2 ± 7	3 ± 7	2 ± 7	3 ± 7
FXIIIA + CD52	0 ± 1	1 ± 3	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD54	9 ± 25	10 ± 25	9 ± 25	10 ± 25	9 ± 25
FXIIIA + CD56	1 ± 2	3 ± 8	17 ± 50	0 ± 0	2 ± 3
FXIIIA + CD58	3 ± 7	4 ± 7	9 ± 19	3 ± 7	4 ± 7
FXIIIA + CD62E	3 ± 9	0 ± 1	0 ± 1	0 ± 1	2 ± 4
FXIIIA + CD62P	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD68	6 ± 13	7 ± 13	7 ± 13	6 ± 13	24 ± 42
FXIIIA + CD7	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD8a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + CK14	23 ± 30	20 ± 28	37 ± 53	19 ± 28	80 ± 124
FXIIIA + CLA	2 ± 4	1 ± 4	1 ± 4	1 ± 4	7 ± 13
FXIIIA + c-myc	32 ± 45	27 ± 43	41 ± 65	24 ± 44	39 ± 53
FXIIIA + Collagen IV	16 ± 39	16 ± 39	17 ± 39	19 ± 38	31 ± 53
FXIIIA + HLA-DR	11 ± 23	10 ± 23	11 ± 23	10 ± 23	11 ± 23
FXIIIA + IL-22R	3 ± 4	5 ± 7	2 ± 4	2 ± 4	9 ± 17
FXIIIA + IL-23R	7 ± 11	4 ± 8	4 ± 8	4 ± 8	13 ± 19
FXIIIA + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	6 ± 18
FXIIIA + PI	7 ± 6	4 ± 5	16 ± 33	5 ± 5	34 ± 59
FXIIIA + Podoplanin	6 ± 14	8 ± 16	22 ± 51	7 ± 15	5 ± 14
FXIIIA + SNA1	22 ± 46	18 ± 47	21 ± 46	21 ± 46	46 ± 64
FXIIIA + STAT3	5 ± 9	9 ± 10	21 ± 55	2 ± 4	16 ± 27
FXIIIA + TIA1	0 ± 1	2 ± 4	9 ± 26	0 ± 0	0 ± 0
FXIIIA + Vimentin	16 ± 28	12 ± 26	14 ± 25	12 ± 26	33 ± 62

Tabelle 221: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	7 ± 16	41 ± 117	7 ± 12	2 ± 5	2 ± 5
HLA-DR + BCL2	1217 ± 2167	354 ± 466	557 ± 709	334 ± 479	399 ± 464
HLA-DR + CCR6	104 ± 119	109 ± 144	47 ± 48	75 ± 75	79 ± 72
HLA-DR + CD11a	587 ± 998	231 ± 499	383 ± 496	400 ± 555	277 ± 492
HLA-DR + CD11b	294 ± 584	218 ± 596	237 ± 589	224 ± 594	271 ± 583
HLA-DR + CD120a	254 ± 106	285 ± 184	197 ± 121	264 ± 79	243 ± 119
HLA-DR + CD120b	72 ± 129	14 ± 35	22 ± 36	19 ± 34	20 ± 36
HLA-DR + CD138	12014 ± 17703	4556 ± 4685	5290 ± 6519	4257 ± 4952	5220 ± 6020
HLA-DR + CD15	53 ± 64	18 ± 21	13 ± 21	19 ± 20	21 ± 20
HLA-DR + CD1a	632 ± 303	654 ± 424	415 ± 308	650 ± 434	1020 ± 1076
HLA-DR + CD2	536 ± 798	217 ± 456	328 ± 447	269 ± 438	338 ± 451
HLA-DR + CD207	860 ± 293	897 ± 488	751 ± 485	810 ± 303	1001 ± 455
HLA-DR + CD24	74 ± 140	50 ± 138	52 ± 137	55 ± 137	76 ± 143
HLA-DR + CD28	160 ± 282	46 ± 90	65 ± 88	65 ± 85	68 ± 98
HLA-DR + CD29	5904 ± 8809	2416 ± 2576	2554 ± 2836	2055 ± 2575	2671 ± 2728
HLA-DR + CD3	524 ± 852	194 ± 435	351 ± 482	308 ± 439	361 ± 527
HLA-DR + CD31	23 ± 42	6 ± 8	10 ± 9	11 ± 17	5 ± 9
HLA-DR + CD4	179 ± 289	91 ± 188	119 ± 179	116 ± 186	112 ± 184
HLA-DR + CD44	10150 ± 14671	4843 ± 6433	5501 ± 6933	5459 ± 6557	6236 ± 7438
HLA-DR + CD45	388 ± 489	121 ± 210	257 ± 264	226 ± 250	200 ± 230
HLA-DR + CD45RA	155 ± 259	87 ± 231	100 ± 228	92 ± 229	94 ± 228
HLA-DR + CD45RO	279 ± 577	82 ± 233	188 ± 284	179 ± 269	242 ± 400
HLA-DR + CD52	36 ± 50	17 ± 29	21 ± 33	16 ± 30	25 ± 37
HLA-DR + CD54	1320 ± 2471	389 ± 1137	422 ± 1126	467 ± 1118	449 ± 1124
HLA-DR + CD56	14 ± 23	33 ± 51	20 ± 26	14 ± 22	15 ± 22
HLA-DR + CD58	6421 ± 12253	2127 ± 3492	1879 ± 3570	2104 ± 3465	3372 ± 4486
HLA-DR + CD62E	1 ± 3	3 ± 6	2 ± 4	1 ± 3	1 ± 3
HLA-DR + CD62P	4 ± 8	4 ± 6	2 ± 6	4 ± 7	2 ± 6
HLA-DR + CD68	606 ± 647	767 ± 596	539 ± 676	564 ± 668	566 ± 661
HLA-DR + CD7	371 ± 663	131 ± 346	277 ± 392	304 ± 463	189 ± 342
HLA-DR + CD8a	252 ± 397	135 ± 359	196 ± 358	167 ± 351	216 ± 377
HLA-DR + CK14	15893 ± 19537	8020 ± 8962	8738 ± 10568	7923 ± 9288	9166 ± 10126
HLA-DR + CLA	626 ± 440	300 ± 475	433 ± 487	455 ± 511	483 ± 542
HLA-DR + c-myc	2954 ± 2780	2455 ± 1322	1428 ± 1326	1431 ± 1313	1569 ± 1273
HLA-DR + Collagen IV	1192 ± 2095	469 ± 1035	595 ± 1020	609 ± 1035	538 ± 1026
HLA-DR + FXIIIA	11 ± 23	10 ± 23	11 ± 23	10 ± 23	11 ± 23
HLA-DR + IL-22R	2601 ± 1894	1978 ± 1793	1681 ± 1968	1754 ± 1926	1690 ± 1937
HLA-DR + IL-23R	665 ± 1230	610 ± 1166	187 ± 228	288 ± 220	272 ± 212
HLA-DR + Ki67	584 ± 775	357 ± 655	445 ± 702	377 ± 666	345 ± 661
HLA-DR + PI	3561 ± 3773	2296 ± 2103	2213 ± 2321	2173 ± 2189	2978 ± 3128
HLA-DR + Podoplanin	2671 ± 5402	582 ± 1385	541 ± 1391	622 ± 1398	525 ± 1396
HLA-DR + SNA1	4368 ± 10057	776 ± 1219	1092 ± 1435	800 ± 1170	1115 ± 1498
HLA-DR + STAT3	2318 ± 3533	1274 ± 805	633 ± 667	759 ± 592	824 ± 586
HLA-DR + TIA1	75 ± 158	17 ± 46	25 ± 45	20 ± 46	23 ± 48
HLA-DR + Vimentin	3040 ± 3061	1908 ± 2372	2033 ± 2522	1980 ± 2419	2198 ± 2461

Tabelle 222: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	1 ± 1	2 ± 5	1 ± 1	1 ± 1	1 ± 1
IL-22R + BCL2	1426 ± 2496	1209 ± 2580	1226 ± 2573	1176 ± 2596	1256 ± 2565
IL-22R + CCR6	75 ± 121	144 ± 247	25 ± 23	52 ± 70	142 ± 346
IL-22R + CD11a	76 ± 103	53 ± 103	57 ± 101	56 ± 101	55 ± 101
IL-22R + CD11b	33 ± 86	31 ± 86	32 ± 86	31 ± 86	32 ± 86
IL-22R + CD120a	138 ± 103	159 ± 133	116 ± 115	142 ± 119	151 ± 112
IL-22R + CD120b	5 ± 7	6 ± 6	6 ± 6	4 ± 6	4 ± 6
IL-22R + CD138	10673 ± 5804	6538 ± 5726	7067 ± 5681	6740 ± 5833	6525 ± 5813
IL-22R + CD15	25 ± 37	30 ± 44	20 ± 38	20 ± 38	41 ± 63
IL-22R + CD1a	326 ± 232	398 ± 286	251 ± 285	386 ± 325	333 ± 253
IL-22R + CD2	96 ± 104	55 ± 98	63 ± 94	59 ± 96	67 ± 93
IL-22R + CD207	478 ± 392	547 ± 445	387 ± 436	456 ± 431	446 ± 413
IL-22R + CD24	18 ± 39	14 ± 39	15 ± 39	15 ± 39	14 ± 39
IL-22R + CD28	24 ± 30	12 ± 23	14 ± 23	13 ± 23	12 ± 23
IL-22R + CD29	2232 ± 2644	2018 ± 2756	1953 ± 2799	1900 ± 2825	1981 ± 2770
IL-22R + CD3	63 ± 83	39 ± 75	50 ± 74	41 ± 74	44 ± 73
IL-22R + CD31	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	22 ± 33	17 ± 33	17 ± 33	18 ± 32	18 ± 32
IL-22R + CD44	4557 ± 3310	3871 ± 3614	4183 ± 3628	3978 ± 3695	3872 ± 3658
IL-22R + CD45	77 ± 81	42 ± 62	44 ± 60	44 ± 60	70 ± 99
IL-22R + CD45RA	17 ± 43	15 ± 43	15 ± 43	15 ± 43	15 ± 43
IL-22R + CD45RO	27 ± 44	11 ± 27	17 ± 27	13 ± 26	17 ± 27
IL-22R + CD52	26 ± 57	15 ± 37	2 ± 4	2 ± 4	4 ± 4
IL-22R + CD54	108 ± 226	76 ± 222	77 ± 222	77 ± 222	78 ± 222
IL-22R + CD56	6 ± 11	6 ± 11	5 ± 11	9 ± 14	5 ± 11
IL-22R + CD58	4143 ± 3461	3076 ± 3635	2963 ± 3718	3085 ± 3626	3066 ± 3633
IL-22R + CD62E	2 ± 5	8 ± 15	3 ± 5	2 ± 5	3 ± 6
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	249 ± 355	256 ± 348	226 ± 365	241 ± 356	265 ± 349
IL-22R + CD7	48 ± 88	31 ± 82	38 ± 80	40 ± 79	38 ± 80
IL-22R + CD8a	49 ± 88	34 ± 89	36 ± 89	36 ± 89	38 ± 88
IL-22R + CK14	13263 ± 7970	8501 ± 8962	9383 ± 8698	8985 ± 8782	8782 ± 8796
IL-22R + CLA	203 ± 229	157 ± 253	163 ± 249	162 ± 250	161 ± 250
IL-22R + c-myc	4638 ± 3632	3717 ± 3227	2734 ± 3735	3304 ± 3557	3271 ± 3597
IL-22R + Collagen IV	48 ± 75	31 ± 63	34 ± 62	35 ± 61	33 ± 62
IL-22R + FXIIIA	3 ± 4	5 ± 7	2 ± 4	2 ± 4	9 ± 17
IL-22R + HLA-DR	2601 ± 1894	1978 ± 1793	1681 ± 1968	1754 ± 1926	1690 ± 1937
IL-22R + IL-23R	1393 ± 1141	1123 ± 1239	892 ± 1262	1266 ± 1181	1102 ± 1239
IL-22R + Ki67	321 ± 254	255 ± 294	276 ± 287	247 ± 300	286 ± 296
IL-22R + PI	1825 ± 1580	1653 ± 1717	1567 ± 1779	1626 ± 1732	1759 ± 1633
IL-22R + Podoplanin	302 ± 521	152 ± 434	162 ± 431	177 ± 432	152 ± 434
IL-22R + SNA1	263 ± 457	131 ± 163	126 ± 159	119 ± 157	125 ± 153
IL-22R + STAT3	5097 ± 3042	3201 ± 3122	2662 ± 3473	3195 ± 3210	3206 ± 3271
IL-22R + TIA1	6 ± 8	4 ± 8	4 ± 8	4 ± 8	4 ± 8
IL-22R + Vimentin	652 ± 498	510 ± 501	487 ± 517	538 ± 503	536 ± 501

Tabelle 223: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-23R + BCL2	1103 ± 1108	790 ± 1024	505 ± 783	557 ± 763	585 ± 737
IL-23R + CCR6	53 ± 77	42 ± 79	35 ± 80	66 ± 86	155 ± 183
IL-23R + CD11a	30 ± 70	6 ± 10	6 ± 9	12 ± 19	6 ± 9
IL-23R + CD11b	49 ± 123	8 ± 23	8 ± 23	120 ± 333	12 ± 23
IL-23R + CD120a	68 ± 59	138 ± 242	64 ± 60	97 ± 73	72 ± 65
IL-23R + CD120b	4 ± 10	1 ± 2	2 ± 3	2 ± 4	1 ± 2
IL-23R + CD138	3575 ± 3647	3127 ± 4015	1749 ± 2239	2688 ± 2206	2340 ± 2015
IL-23R + CD15	25 ± 34	10 ± 15	10 ± 15	79 ± 203	32 ± 61
IL-23R + CD1a	187 ± 207	290 ± 489	131 ± 213	183 ± 203	195 ± 202
IL-23R + CD2	41 ± 76	15 ± 30	16 ± 29	24 ± 31	22 ± 27
IL-23R + CD207	174 ± 203	192 ± 236	134 ± 204	182 ± 195	175 ± 202
IL-23R + CD24	19 ± 48	3 ± 5	3 ± 5	45 ± 125	3 ± 5
IL-23R + CD28	13 ± 33	1 ± 2	2 ± 3	2 ± 2	2 ± 2
IL-23R + CD29	601 ± 947	1094 ± 1804	507 ± 958	559 ± 935	534 ± 944
IL-23R + CD3	26 ± 58	9 ± 13	7 ± 12	16 ± 28	10 ± 12
IL-23R + CD31	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-23R + CD4	16 ± 37	3 ± 8	3 ± 8	8 ± 15	4 ± 8
IL-23R + CD44	912 ± 1054	1618 ± 2989	522 ± 794	757 ± 716	707 ± 742
IL-23R + CD45	39 ± 70	12 ± 14	13 ± 13	22 ± 23	33 ± 55
IL-23R + CD45RA	3 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-23R + CD45RO	49 ± 125	6 ± 18	12 ± 18	65 ± 174	29 ± 42
IL-23R + CD52	36 ± 99	1 ± 2	1 ± 2	1 ± 2	2 ± 2
IL-23R + CD54	84 ± 189	23 ± 60	22 ± 60	31 ± 65	27 ± 60
IL-23R + CD56	0 ± 0	1 ± 2	0 ± 0	0 ± 1	0 ± 0
IL-23R + CD58	1670 ± 2127	1560 ± 2139	941 ± 1511	1025 ± 1459	1016 ± 1466
IL-23R + CD62E	7 ± 10	9 ± 18	3 ± 5	18 ± 46	4 ± 5
IL-23R + CD62P	16 ± 40	2 ± 3	1 ± 2	13 ± 36	1 ± 2
IL-23R + CD68	87 ± 96	120 ± 119	84 ± 98	115 ± 85	102 ± 94
IL-23R + CD7	27 ± 67	5 ± 15	6 ± 14	10 ± 16	9 ± 16
IL-23R + CD8a	9 ± 15	4 ± 9	4 ± 9	4 ± 9	6 ± 9
IL-23R + CK14	3770 ± 4190	3207 ± 4873	1530 ± 1882	3511 ± 2822	2747 ± 2126
IL-23R + CLA	43 ± 65	25 ± 66	28 ± 65	35 ± 68	36 ± 65
IL-23R + c-myc	2915 ± 2158	2452 ± 2749	1516 ± 1967	2366 ± 1517	2283 ± 1831
IL-23R + Collagen IV	13 ± 26	21 ± 49	5 ± 9	21 ± 48	6 ± 9
IL-23R + FXIIIA	7 ± 11	4 ± 8	4 ± 8	4 ± 8	13 ± 19
IL-23R + HLA-DR	665 ± 1230	610 ± 1166	187 ± 228	288 ± 220	272 ± 212
IL-23R + IL-22R	1393 ± 1141	1123 ± 1239	892 ± 1262	1266 ± 1181	1102 ± 1239
IL-23R + Ki67	124 ± 154	94 ± 145	40 ± 42	48 ± 38	51 ± 44
IL-23R + PI	763 ± 852	1012 ± 1983	330 ± 480	544 ± 482	521 ± 450
IL-23R + Podoplanin	42 ± 119	2 ± 7	3 ± 7	14 ± 34	3 ± 7
IL-23R + SNA1	199 ± 512	111 ± 240	29 ± 36	71 ± 115	60 ± 62
IL-23R + STAT3	3588 ± 3445	2757 ± 3696	1471 ± 1964	3210 ± 2764	2611 ± 1967
IL-23R + TIA1	9 ± 26	0 ± 0	0 ± 1	6 ± 17	1 ± 1
IL-23R + Vimentin	232 ± 273	266 ± 421	131 ± 179	248 ± 221	198 ± 180

Tabelle 224: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 1	2 ± 7	0 ± 0	0 ± 0	0 ± 0
Ki67 + BCL2	1541 ± 2249	204 ± 221	1307 ± 2106	234 ± 283	203 ± 223
Ki67 + CCR6	4 ± 8	3 ± 4	4 ± 5	7 ± 12	18 ± 47
Ki67 + CD11a	14 ± 27	11 ± 27	16 ± 26	14 ± 27	11 ± 27
Ki67 + CD11b	5 ± 16	5 ± 16	5 ± 16	6 ± 16	6 ± 16
Ki67 + CD120a	18 ± 19	18 ± 20	17 ± 20	19 ± 20	18 ± 20
Ki67 + CD120b	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + CD138	2449 ± 2624	755 ± 901	1661 ± 1611	779 ± 923	1050 ± 1315
Ki67 + CD15	1 ± 3	0 ± 1	0 ± 0	0 ± 0	0 ± 1
Ki67 + CD1a	27 ± 45	21 ± 46	30 ± 49	23 ± 46	33 ± 54
Ki67 + CD2	20 ± 29	13 ± 29	23 ± 29	16 ± 28	19 ± 27
Ki67 + CD207	50 ± 38	42 ± 33	50 ± 31	41 ± 37	52 ± 68
Ki67 + CD24	13 ± 34	12 ± 34	12 ± 34	16 ± 35	18 ± 38
Ki67 + CD28	3 ± 6	3 ± 6	3 ± 6	3 ± 6	2 ± 6
Ki67 + CD29	897 ± 1147	337 ± 563	540 ± 594	402 ± 546	427 ± 544
Ki67 + CD3	24 ± 44	17 ± 42	27 ± 43	19 ± 42	19 ± 42
Ki67 + CD31	0 ± 1	0 ± 1	1 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	4 ± 11	4 ± 11	5 ± 11	4 ± 11	4 ± 11
Ki67 + CD44	1093 ± 1142	507 ± 735	1140 ± 1138	701 ± 738	857 ± 1266
Ki67 + CD45	8 ± 11	4 ± 11	9 ± 11	5 ± 11	13 ± 26
Ki67 + CD45RA	8 ± 20	7 ± 20	8 ± 20	7 ± 20	8 ± 20
Ki67 + CD45RO	5 ± 15	5 ± 15	8 ± 15	7 ± 15	8 ± 15
Ki67 + CD52	3 ± 5	1 ± 2	1 ± 1	1 ± 1	1 ± 1
Ki67 + CD54	52 ± 138	47 ± 140	49 ± 139	47 ± 139	48 ± 139
Ki67 + CD56	0 ± 0	2 ± 4	0 ± 1	0 ± 0	1 ± 3
Ki67 + CD58	707 ± 1351	203 ± 448	242 ± 445	192 ± 452	207 ± 445
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	76 ± 101	96 ± 101	77 ± 102	126 ± 150	96 ± 114
Ki67 + CD7	18 ± 36	13 ± 35	25 ± 36	23 ± 40	14 ± 35
Ki67 + CD8a	16 ± 24	10 ± 23	13 ± 23	11 ± 23	12 ± 23
Ki67 + CK14	4920 ± 3711	2362 ± 3458	4482 ± 4385	3256 ± 3390	3073 ± 3649
Ki67 + CLA	42 ± 49	25 ± 51	34 ± 49	37 ± 50	35 ± 48
Ki67 + c-myc	598 ± 950	215 ± 228	135 ± 142	127 ± 159	183 ± 241
Ki67 + Collagen IV	64 ± 113	19 ± 43	37 ± 52	38 ± 53	30 ± 44
Ki67 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	6 ± 18
Ki67 + HLA-DR	584 ± 775	357 ± 655	445 ± 702	377 ± 666	345 ± 661
Ki67 + IL-22R	321 ± 254	255 ± 294	276 ± 287	247 ± 300	286 ± 296
Ki67 + IL-23R	124 ± 154	94 ± 145	40 ± 42	48 ± 38	51 ± 44
Ki67 + PI	5207 ± 4058	2523 ± 3788	4564 ± 4604	3312 ± 3716	3106 ± 3954
Ki67 + Podoplanin	186 ± 360	35 ± 78	35 ± 79	30 ± 78	28 ± 78
Ki67 + SNA1	266 ± 627	26 ± 54	73 ± 90	43 ± 66	66 ± 82
Ki67 + STAT3	447 ± 644	131 ± 151	102 ± 154	97 ± 153	114 ± 154
Ki67 + TIA1	2 ± 3	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Ki67 + Vimentin	291 ± 320	192 ± 332	259 ± 336	286 ± 341	238 ± 362

Tabelle 225: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	5 ± 9	330 ± 983	41 ± 109	3 ± 4	4 ± 6
PI + BCL2	6639 ± 8932	1626 ± 1669	4197 ± 4076	1570 ± 1596	2069 ± 1472
PI + CCR6	64 ± 68	99 ± 135	67 ± 83	82 ± 100	145 ± 166
PI + CD11a	333 ± 457	143 ± 262	327 ± 306	258 ± 302	188 ± 253
PI + CD11b	89 ± 145	65 ± 152	73 ± 149	100 ± 165	106 ± 159
PI + CD120a	109 ± 51	134 ± 69	112 ± 60	128 ± 57	140 ± 97
PI + CD120b	37 ± 50	9 ± 20	19 ± 25	12 ± 20	15 ± 21
PI + CD138	12831 ± 10903	5898 ± 2998	8624 ± 5787	5751 ± 3031	9521 ± 8039
PI + CD15	19 ± 17	14 ± 17	9 ± 16	23 ± 36	13 ± 16
PI + CD1a	181 ± 91	207 ± 164	160 ± 152	219 ± 124	466 ± 527
PI + CD2	496 ± 525	192 ± 315	450 ± 391	274 ± 282	399 ± 314
PI + CD207	345 ± 144	389 ± 302	318 ± 111	360 ± 125	526 ± 258
PI + CD24	31 ± 58	15 ± 36	18 ± 36	28 ± 40	54 ± 108
PI + CD28	99 ± 156	26 ± 50	59 ± 78	38 ± 47	45 ± 66
PI + CD29	6242 ± 5509	3415 ± 3649	4463 ± 4096	3783 ± 3767	4934 ± 3940
PI + CD3	421 ± 556	171 ± 350	394 ± 480	302 ± 371	386 ± 536
PI + CD31	25 ± 46	10 ± 12	43 ± 104	32 ± 66	6 ± 9
PI + CD4	94 ± 144	53 ± 108	82 ± 108	62 ± 105	67 ± 104
PI + CD44	5957 ± 3880	3334 ± 2616	5637 ± 3984	4940 ± 2487	6612 ± 5513
PI + CD45	226 ± 246	54 ± 80	217 ± 257	123 ± 117	110 ± 118
PI + CD45RA	106 ± 157	66 ± 149	98 ± 150	75 ± 145	76 ± 145
PI + CD45RO	150 ± 273	43 ± 117	167 ± 201	147 ± 189	191 ± 284
PI + CD52	29 ± 35	9 ± 9	18 ± 33	9 ± 10	15 ± 16
PI + CD54	371 ± 543	143 ± 413	165 ± 408	192 ± 411	191 ± 410
PI + CD56	13 ± 15	103 ± 194	52 ± 103	12 ± 16	19 ± 23
PI + CD58	4316 ± 6633	1744 ± 2586	1941 ± 2612	2091 ± 2730	3247 ± 3752
PI + CD62E	15 ± 29	4 ± 10	5 ± 11	29 ± 75	4 ± 11
PI + CD62P	10 ± 20	10 ± 21	7 ± 19	39 ± 97	14 ± 27
PI + CD68	1168 ± 1114	1434 ± 1010	1143 ± 1114	1214 ± 1119	1289 ± 1143
PI + CD7	251 ± 364	104 ± 243	330 ± 357	314 ± 404	185 ± 262
PI + CD8a	284 ± 343	144 ± 329	234 ± 313	184 ± 317	265 ± 372
PI + CK14	26477 ± 11176	16921 ± 9278	22159 ± 10931	20569 ± 8839	25378 ± 12719
PI + CLA	396 ± 277	226 ± 316	314 ± 276	353 ± 311	417 ± 365
PI + c-myc	3613 ± 2986	3443 ± 3029	1888 ± 1364	1820 ± 1542	2040 ± 1295
PI + Collagen IV	539 ± 686	318 ± 354	472 ± 408	500 ± 512	453 ± 382
PI + FXIIIA	7 ± 6	4 ± 5	16 ± 33	5 ± 5	34 ± 59
PI + HLA-DR	3561 ± 3773	2296 ± 2103	2213 ± 2321	2173 ± 2189	2978 ± 3128
PI + IL-22R	1825 ± 1580	1653 ± 1717	1567 ± 1779	1626 ± 1732	1759 ± 1633
PI + IL-23R	763 ± 852	1012 ± 1983	330 ± 480	544 ± 482	521 ± 450
PI + Ki67	5207 ± 4058	2523 ± 3788	4564 ± 4604	3312 ± 3716	3106 ± 3954
PI + Podoplanin	1504 ± 1840	561 ± 835	432 ± 721	773 ± 1594	289 ± 705
PI + SNA1	1821 ± 3442	342 ± 324	698 ± 779	428 ± 399	765 ± 961
PI + STAT3	3147 ± 3766	2401 ± 2585	1449 ± 2321	1765 ± 2480	1911 ± 2127
PI + TIA1	41 ± 56	20 ± 32	48 ± 47	23 ± 31	25 ± 34
PI + Vimentin	3062 ± 1766	1858 ± 1430	2227 ± 1438	2393 ± 1431	2602 ± 1581

Tabelle 226: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	3 ± 8	290 ± 857	56 ± 159	3 ± 8	3 ± 8
Podoplanin + BCL2	527 ± 1085	50 ± 105	45 ± 74	43 ± 69	17 ± 32
Podoplanin + CCR6	37 ± 62	84 ± 199	57 ± 148	17 ± 38	4 ± 6
Podoplanin + CD11a	91 ± 221	12 ± 35	18 ± 36	28 ± 54	13 ± 34
Podoplanin + CD11b	22 ± 36	12 ± 36	13 ± 36	13 ± 36	14 ± 36
Podoplanin + CD120a	9 ± 16	5 ± 13	6 ± 13	6 ± 13	5 ± 13
Podoplanin + CD120b	7 ± 18	1 ± 2	1 ± 2	3 ± 8	1 ± 2
Podoplanin + CD138	3860 ± 8215	816 ± 1385	728 ± 1224	988 ± 1894	466 ± 1187
Podoplanin + CD15	4 ± 7	3 ± 8	0 ± 0	1 ± 2	0 ± 0
Podoplanin + CD1a	28 ± 61	7 ± 20	7 ± 20	10 ± 21	8 ± 20
Podoplanin + CD2	98 ± 207	14 ± 43	21 ± 44	27 ± 53	15 ± 43
Podoplanin + CD207	9 ± 16	4 ± 5	4 ± 5	23 ± 61	3 ± 5
Podoplanin + CD24	49 ± 143	48 ± 143	48 ± 143	49 ± 143	50 ± 142
Podoplanin + CD28	30 ± 76	2 ± 6	4 ± 7	4 ± 7	2 ± 6
Podoplanin + CD29	4150 ± 7847	1059 ± 1846	957 ± 1816	1751 ± 3579	720 ± 1808
Podoplanin + CD3	120 ± 249	23 ± 70	37 ± 75	85 ± 186	26 ± 69
Podoplanin + CD31	0 ± 0	6 ± 17	47 ± 141	0 ± 0	0 ± 0
Podoplanin + CD4	23 ± 43	12 ± 34	13 ± 34	20 ± 40	13 ± 34
Podoplanin + CD44	4661 ± 8563	766 ± 2243	1038 ± 2257	2164 ± 4367	842 ± 2226
Podoplanin + CD45	40 ± 74	5 ± 14	11 ± 22	17 ± 37	6 ± 14
Podoplanin + CD45RA	27 ± 52	10 ± 29	14 ± 30	11 ± 29	10 ± 29
Podoplanin + CD45RO	29 ± 55	10 ± 28	13 ± 29	16 ± 32	10 ± 28
Podoplanin + CD52	5 ± 9	4 ± 8	2 ± 4	3 ± 6	1 ± 4
Podoplanin + CD54	538 ± 1070	127 ± 379	127 ± 379	139 ± 376	136 ± 377
Podoplanin + CD56	2 ± 4	161 ± 321	46 ± 135	2 ± 5	1 ± 3
Podoplanin + CD58	2807 ± 6374	435 ± 1270	455 ± 1263	1052 ± 2133	506 ± 1263
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	5 ± 15	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	51 ± 77	95 ± 155	38 ± 76	29 ± 77	29 ± 77
Podoplanin + CD7	81 ± 189	10 ± 29	18 ± 34	75 ± 180	11 ± 29
Podoplanin + CD8a	69 ± 112	22 ± 65	23 ± 64	35 ± 72	23 ± 65
Podoplanin + CK14	5760 ± 9180	1693 ± 3110	1514 ± 3076	2909 ± 5817	1177 ± 3104
Podoplanin + CLA	49 ± 72	22 ± 65	24 ± 64	32 ± 66	25 ± 64
Podoplanin + c-myc	966 ± 1589	530 ± 1020	337 ± 596	628 ± 1367	214 ± 512
Podoplanin + Collagen IV	436 ± 923	123 ± 267	119 ± 268	352 ± 770	107 ± 271
Podoplanin + FXIIIA	6 ± 14	8 ± 16	22 ± 51	7 ± 15	5 ± 14
Podoplanin + HLA-DR	2671 ± 5402	582 ± 1385	541 ± 1391	622 ± 1398	525 ± 1396
Podoplanin + IL-22R	302 ± 521	152 ± 434	162 ± 431	177 ± 432	152 ± 434
Podoplanin + IL-23R	42 ± 119	2 ± 7	3 ± 7	14 ± 34	3 ± 7
Podoplanin + Ki67	186 ± 360	35 ± 78	35 ± 79	30 ± 78	28 ± 78
Podoplanin + PI	1504 ± 1840	561 ± 835	432 ± 721	773 ± 1594	289 ± 705
Podoplanin + SNA1	2303 ± 6244	157 ± 318	156 ± 329	398 ± 876	147 ± 325
Podoplanin + STAT3	114 ± 313	356 ± 929	136 ± 409	168 ± 504	0 ± 0
Podoplanin + TIA1	18 ± 42	14 ± 34	26 ± 70	4 ± 7	3 ± 7
Podoplanin + Vimentin	604 ± 842	258 ± 460	205 ± 452	315 ± 593	173 ± 459

Tabelle 227: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	8 ± 17	39 ± 108	6 ± 12	11 ± 27	2 ± 6
SNA1 + BCL2	813 ± 1836	108 ± 79	310 ± 378	112 ± 75	158 ± 87
SNA1 + CCR6	60 ± 106	19 ± 22	19 ± 26	33 ± 33	44 ± 62
SNA1 + CD11a	374 ± 869	67 ± 174	191 ± 221	139 ± 192	101 ± 183
SNA1 + CD11b	223 ± 387	121 ± 340	146 ± 333	180 ± 357	158 ± 333
SNA1 + CD120a	52 ± 61	47 ± 40	32 ± 23	59 ± 44	48 ± 26
SNA1 + CD120b	70 ± 132	11 ± 30	25 ± 37	14 ± 30	17 ± 31
SNA1 + CD138	5085 ± 13166	554 ± 701	1141 ± 1581	474 ± 712	966 ± 1387
SNA1 + CD15	75 ± 136	11 ± 13	11 ± 13	58 ± 131	15 ± 13
SNA1 + CD1a	81 ± 116	76 ± 89	56 ± 70	61 ± 67	202 ± 342
SNA1 + CD2	341 ± 731	72 ± 165	164 ± 179	107 ± 161	165 ± 210
SNA1 + CD207	60 ± 63	67 ± 54	63 ± 82	63 ± 45	125 ± 168
SNA1 + CD24	41 ± 63	12 ± 35	17 ± 35	40 ± 78	42 ± 84
SNA1 + CD28	117 ± 267	14 ± 35	34 ± 46	25 ± 34	31 ± 52
SNA1 + CD29	6539 ± 12869	1483 ± 1808	2534 ± 2481	1871 ± 1981	2239 ± 2128
SNA1 + CD3	341 ± 766	47 ± 120	161 ± 214	115 ± 171	151 ± 256
SNA1 + CD31	37 ± 57	13 ± 19	17 ± 18	79 ± 157	15 ± 19
SNA1 + CD4	125 ± 236	49 ± 119	88 ± 118	71 ± 120	64 ± 117
SNA1 + CD44	5223 ± 12544	817 ± 1343	1752 ± 1963	1250 ± 1573	1682 ± 1941
SNA1 + CD45	205 ± 385	39 ± 87	144 ± 180	77 ± 101	77 ± 108
SNA1 + CD45RA	98 ± 182	27 ± 61	42 ± 65	38 ± 60	28 ± 61
SNA1 + CD45RO	219 ± 527	39 ± 116	126 ± 176	99 ± 163	169 ± 301
SNA1 + CD52	24 ± 42	7 ± 18	16 ± 28	11 ± 18	20 ± 32
SNA1 + CD54	890 ± 2060	119 ± 325	155 ± 318	195 ± 358	148 ± 318
SNA1 + CD56	21 ± 26	31 ± 42	28 ± 44	14 ± 25	20 ± 25
SNA1 + CD58	2938 ± 7743	328 ± 767	330 ± 766	451 ± 848	723 ± 1104
SNA1 + CD62E	16 ± 44	1 ± 1	3 ± 8	3 ± 9	0 ± 1
SNA1 + CD62P	6 ± 10	2 ± 2	2 ± 2	18 ± 49	2 ± 3
SNA1 + CD68	413 ± 435	490 ± 418	407 ± 431	390 ± 445	421 ± 448
SNA1 + CD7	258 ± 594	30 ± 82	174 ± 214	96 ± 113	63 ± 97
SNA1 + CD8a	145 ± 252	47 ± 109	93 ± 114	63 ± 106	93 ± 135
SNA1 + CK14	9725 ± 14778	3131 ± 2373	5175 ± 3605	4245 ± 2995	4497 ± 2652
SNA1 + CLA	182 ± 235	54 ± 109	100 ± 135	102 ± 105	149 ± 202
SNA1 + c-myc	6553 ± 6339	2528 ± 2597	3871 ± 2779	3536 ± 3224	3548 ± 2738
SNA1 + Collagen IV	4024 ± 5695	2020 ± 2250	3101 ± 2464	3166 ± 2844	2475 ± 2086
SNA1 + FXIIIA	22 ± 46	18 ± 47	21 ± 46	21 ± 46	46 ± 64
SNA1 + HLA-DR	4368 ± 10057	776 ± 1219	1092 ± 1435	800 ± 1170	1115 ± 1498
SNA1 + IL-22R	263 ± 457	131 ± 163	126 ± 159	119 ± 157	125 ± 153
SNA1 + IL-23R	199 ± 512	111 ± 240	29 ± 36	71 ± 115	60 ± 62
SNA1 + Ki67	266 ± 627	26 ± 54	73 ± 90	43 ± 66	66 ± 82
SNA1 + PI	1821 ± 3442	342 ± 324	698 ± 779	428 ± 399	765 ± 961
SNA1 + Podoplanin	2303 ± 6244	157 ± 318	156 ± 329	398 ± 876	147 ± 325
SNA1 + STAT3	253 ± 584	144 ± 239	22 ± 25	79 ± 189	34 ± 31
SNA1 + TIA1	73 ± 193	7 ± 17	18 ± 23	20 ± 34	12 ± 21
SNA1 + Vimentin	1690 ± 2254	678 ± 863	929 ± 951	864 ± 879	936 ± 948

Tabelle 228: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	1 ± 1	700 ± 2099	68 ± 202	0 ± 1	3 ± 7
STAT3 + BCL2	2547 ± 3241	1326 ± 1854	1078 ± 1873	1073 ± 1873	1309 ± 1818
STAT3 + CCR6	92 ± 118	244 ± 318	88 ± 166	74 ± 85	266 ± 425
STAT3 + CD11a	66 ± 142	7 ± 11	8 ± 11	13 ± 14	10 ± 11
STAT3 + CD11b	67 ± 182	6 ± 13	6 ± 13	362 ± 1065	10 ± 14
STAT3 + CD120a	77 ± 92	112 ± 144	63 ± 99	76 ± 95	79 ± 99
STAT3 + CD120b	10 ± 17	4 ± 4	2 ± 4	2 ± 4	2 ± 4
STAT3 + CD138	14645 ± 12492	8300 ± 5562	5892 ± 6305	8086 ± 6312	8191 ± 5605
STAT3 + CD15	30 ± 38	17 ± 16	11 ± 17	146 ± 400	32 ± 59
STAT3 + CD1a	409 ± 357	480 ± 454	251 ± 359	374 ± 321	427 ± 380
STAT3 + CD2	102 ± 186	12 ± 24	13 ± 23	31 ± 45	44 ± 59
STAT3 + CD207	470 ± 507	471 ± 490	345 ± 465	413 ± 423	396 ± 417
STAT3 + CD24	26 ± 65	3 ± 6	3 ± 6	86 ± 246	3 ± 6
STAT3 + CD28	30 ± 65	1 ± 2	1 ± 2	2 ± 2	1 ± 2
STAT3 + CD29	1757 ± 2619	2489 ± 2835	1653 ± 2750	1589 ± 2705	1492 ± 2714
STAT3 + CD3	66 ± 128	8 ± 12	6 ± 11	23 ± 46	10 ± 11
STAT3 + CD31	0 ± 0	8 ± 23	60 ± 180	0 ± 1	0 ± 0
STAT3 + CD4	18 ± 48	2 ± 3	2 ± 3	3 ± 5	4 ± 6
STAT3 + CD44	3549 ± 3471	2864 ± 2480	1691 ± 1630	2567 ± 1863	2762 ± 1894
STAT3 + CD45	79 ± 135	11 ± 16	10 ± 16	20 ± 18	45 ± 103
STAT3 + CD45RA	11 ± 26	1 ± 3	5 ± 11	2 ± 3	1 ± 3
STAT3 + CD45RO	78 ± 207	3 ± 6	3 ± 7	78 ± 210	17 ± 28
STAT3 + CD52	41 ± 102	6 ± 11	1 ± 2	2 ± 2	3 ± 3
STAT3 + CD54	81 ± 204	16 ± 30	11 ± 30	19 ± 33	12 ± 30
STAT3 + CD56	2 ± 3	161 ± 401	61 ± 178	4 ± 6	5 ± 9
STAT3 + CD58	5905 ± 8312	3309 ± 4486	2616 ± 4553	3172 ± 4349	2838 ± 4427
STAT3 + CD62E	9 ± 9	12 ± 21	6 ± 8	54 ± 150	6 ± 7
STAT3 + CD62P	19 ± 40	13 ± 28	3 ± 10	34 ± 92	3 ± 10
STAT3 + CD68	148 ± 278	218 ± 288	162 ± 287	148 ± 276	170 ± 276
STAT3 + CD7	72 ± 186	5 ± 12	6 ± 12	27 ± 55	11 ± 13
STAT3 + CD8a	31 ± 47	4 ± 8	4 ± 8	6 ± 10	8 ± 9
STAT3 + CK14	15396 ± 13486	8462 ± 5967	6156 ± 6383	13301 ± 17382	9675 ± 6081
STAT3 + CLA	163 ± 288	102 ± 294	103 ± 293	114 ± 292	117 ± 290
STAT3 + c-myc	7186 ± 3976	6246 ± 3963	3708 ± 3968	4394 ± 3114	4715 ± 3635
STAT3 + Collagen IV	12 ± 33	97 ± 274	35 ± 105	41 ± 123	0 ± 1
STAT3 + FXIIIA	5 ± 9	9 ± 10	21 ± 55	2 ± 4	16 ± 27
STAT3 + HLA-DR	2318 ± 3533	1274 ± 805	633 ± 667	759 ± 592	824 ± 586
STAT3 + IL-22R	5097 ± 3042	3201 ± 3122	2662 ± 3473	3195 ± 3210	3206 ± 3271
STAT3 + IL-23R	3588 ± 3445	2757 ± 3696	1471 ± 1964	3210 ± 2764	2611 ± 1967
STAT3 + Ki67	447 ± 644	131 ± 151	102 ± 154	97 ± 153	114 ± 154
STAT3 + PI	3147 ± 3766	2401 ± 2585	1449 ± 2321	1765 ± 2480	1911 ± 2127
STAT3 + Podoplanin	114 ± 313	356 ± 929	136 ± 409	168 ± 504	0 ± 0
STAT3 + SNA1	253 ± 584	144 ± 239	22 ± 25	79 ± 189	34 ± 31
STAT3 + TIA1	13 ± 34	14 ± 36	24 ± 69	17 ± 45	3 ± 3
STAT3 + Vimentin	434 ± 367	380 ± 382	257 ± 339	304 ± 261	305 ± 288

Tabelle 229: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	0 ± 0	12 ± 36	15 ± 45	0 ± 0	0 ± 0
TIA1 + BCL2	15 ± 22	8 ± 15	14 ± 14	8 ± 15	13 ± 15
TIA1 + CCR6	9 ± 16	13 ± 31	22 ± 54	3 ± 4	3 ± 5
TIA1 + CD11a	59 ± 106	18 ± 44	34 ± 45	24 ± 42	22 ± 43
TIA1 + CD11b	33 ± 72	10 ± 30	11 ± 30	39 ± 87	11 ± 30
TIA1 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + CD120b	4 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
TIA1 + CD138	39 ± 67	23 ± 40	47 ± 68	17 ± 24	16 ± 24
TIA1 + CD15	19 ± 48	3 ± 6	3 ± 7	27 ± 74	3 ± 6
TIA1 + CD1a	0 ± 0	0 ± 0	1 ± 3	0 ± 0	3 ± 6
TIA1 + CD2	64 ± 85	28 ± 64	54 ± 69	34 ± 62	38 ± 61
TIA1 + CD207	0 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 4
TIA1 + CD24	4 ± 11	0 ± 1	1 ± 3	17 ± 49	0 ± 1
TIA1 + CD28	7 ± 14	1 ± 2	3 ± 7	1 ± 2	1 ± 2
TIA1 + CD29	53 ± 96	25 ± 41	49 ± 64	21 ± 31	19 ± 30
TIA1 + CD3	49 ± 69	22 ± 50	34 ± 48	30 ± 50	31 ± 50
TIA1 + CD31	0 ± 0	1 ± 4	14 ± 41	0 ± 1	0 ± 0
TIA1 + CD4	4 ± 7	1 ± 4	4 ± 7	1 ± 4	2 ± 4
TIA1 + CD44	67 ± 129	18 ± 52	40 ± 56	32 ± 55	27 ± 53
TIA1 + CD45	25 ± 41	5 ± 13	17 ± 20	8 ± 13	9 ± 14
TIA1 + CD45RA	27 ± 44	13 ± 26	18 ± 24	15 ± 25	14 ± 25
TIA1 + CD45RO	20 ± 49	2 ± 7	7 ± 11	6 ± 11	4 ± 8
TIA1 + CD52	8 ± 12	2 ± 4	5 ± 7	3 ± 4	3 ± 5
TIA1 + CD54	17 ± 34	5 ± 16	8 ± 17	6 ± 16	6 ± 16
TIA1 + CD56	7 ± 12	11 ± 23	18 ± 41	3 ± 10	4 ± 10
TIA1 + CD58	46 ± 90	18 ± 42	29 ± 45	16 ± 41	22 ± 42
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
TIA1 + CD62P	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	20 ± 39	19 ± 39	25 ± 38	19 ± 39	23 ± 38
TIA1 + CD7	57 ± 100	20 ± 50	44 ± 59	31 ± 50	28 ± 49
TIA1 + CD8a	51 ± 71	29 ± 67	45 ± 64	34 ± 65	37 ± 65
TIA1 + CK14	86 ± 117	49 ± 81	91 ± 93	61 ± 85	52 ± 75
TIA1 + CLA	36 ± 46	19 ± 40	25 ± 39	32 ± 46	28 ± 40
TIA1 + c-myc	43 ± 85	23 ± 42	43 ± 67	18 ± 31	12 ± 26
TIA1 + Collagen IV	32 ± 73	8 ± 17	18 ± 23	13 ± 19	8 ± 17
TIA1 + FXIIIA	0 ± 1	2 ± 4	9 ± 26	0 ± 0	0 ± 0
TIA1 + HLA-DR	75 ± 158	17 ± 46	25 ± 45	20 ± 46	23 ± 48
TIA1 + IL-22R	6 ± 8	4 ± 8	4 ± 8	4 ± 8	4 ± 8
TIA1 + IL-23R	9 ± 26	0 ± 0	0 ± 1	6 ± 17	1 ± 1
TIA1 + Ki67	2 ± 3	1 ± 1	1 ± 1	1 ± 1	1 ± 1
TIA1 + PI	41 ± 56	20 ± 32	48 ± 47	23 ± 31	25 ± 34
TIA1 + Podoplanin	18 ± 42	14 ± 34	26 ± 70	4 ± 7	3 ± 7
TIA1 + SNA1	73 ± 193	7 ± 17	18 ± 23	20 ± 34	12 ± 21
TIA1 + STAT3	13 ± 34	14 ± 36	24 ± 69	17 ± 45	3 ± 3
TIA1 + Vimentin	70 ± 108	35 ± 82	55 ± 82	39 ± 81	44 ± 80

Tabelle 230: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Responder identifizierten n=4 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	9 ± 17	79 ± 228	15 ± 25	14 ± 33	4 ± 6
Vimentin + BCL2	1153 ± 918	447 ± 305	810 ± 547	592 ± 307	760 ± 319
Vimentin + CCR6	135 ± 167	65 ± 68	68 ± 64	146 ± 157	168 ± 198
Vimentin + CD11a	391 ± 599	202 ± 481	338 ± 461	315 ± 494	238 ± 471
Vimentin + CD11b	235 ± 573	206 ± 583	225 ± 576	216 ± 579	279 ± 575
Vimentin + CD120a	206 ± 121	209 ± 120	202 ± 116	227 ± 114	192 ± 104
Vimentin + CD120b	35 ± 60	15 ± 44	22 ± 43	20 ± 43	24 ± 44
Vimentin + CD138	3462 ± 3213	1513 ± 1584	2214 ± 1822	1789 ± 1540	2039 ± 1822
Vimentin + CD15	46 ± 77	29 ± 64	27 ± 65	32 ± 64	43 ± 65
Vimentin + CD1a	435 ± 253	376 ± 282	358 ± 305	495 ± 290	749 ± 622
Vimentin + CD2	616 ± 794	289 ± 648	547 ± 646	381 ± 617	482 ± 608
Vimentin + CD207	580 ± 236	511 ± 112	572 ± 197	561 ± 187	762 ± 359
Vimentin + CD24	23 ± 60	21 ± 61	21 ± 61	24 ± 60	30 ± 61
Vimentin + CD28	115 ± 189	47 ± 109	63 ± 106	57 ± 106	60 ± 108
Vimentin + CD29	3062 ± 2269	1808 ± 1857	2204 ± 1858	2190 ± 1778	2252 ± 1838
Vimentin + CD3	454 ± 652	217 ± 523	347 ± 519	336 ± 516	368 ± 536
Vimentin + CD31	24 ± 41	7 ± 15	14 ± 19	90 ± 239	6 ± 16
Vimentin + CD4	148 ± 253	90 ± 218	109 ± 211	107 ± 215	107 ± 214
Vimentin + CD44	2843 ± 2665	1776 ± 2533	2449 ± 2454	2474 ± 2387	2775 ± 2705
Vimentin + CD45	283 ± 311	101 ± 185	234 ± 219	175 ± 202	203 ± 275
Vimentin + CD45RA	124 ± 237	86 ± 237	99 ± 233	91 ± 235	90 ± 235
Vimentin + CD45RO	226 ± 408	96 ± 279	232 ± 315	187 ± 291	267 ± 374
Vimentin + CD52	30 ± 42	11 ± 25	15 ± 26	14 ± 25	25 ± 32
Vimentin + CD54	596 ± 1041	314 ± 929	376 ± 918	441 ± 936	392 ± 914
Vimentin + CD56	22 ± 28	49 ± 87	29 ± 29	17 ± 24	20 ± 19
Vimentin + CD58	1513 ± 2287	780 ± 1456	819 ± 1462	911 ± 1438	1256 ± 1536
Vimentin + CD62E	6 ± 15	0 ± 1	3 ± 10	0 ± 0	0 ± 0
Vimentin + CD62P	2 ± 3	3 ± 5	2 ± 3	33 ± 97	1 ± 2
Vimentin + CD68	1640 ± 1288	1691 ± 1169	1529 ± 1273	1655 ± 1326	1653 ± 1395
Vimentin + CD7	293 ± 456	153 ± 402	333 ± 422	302 ± 427	230 ± 387
Vimentin + CD8a	239 ± 404	147 ± 406	205 ± 397	179 ± 397	231 ± 398
Vimentin + CK14	6861 ± 4994	4291 ± 4361	5288 ± 4293	5681 ± 4133	5798 ± 4377
Vimentin + CLA	616 ± 532	313 ± 560	476 ± 536	468 ± 556	517 ± 544
Vimentin + c-myc	1745 ± 1385	1220 ± 1380	1115 ± 1289	1206 ± 1337	1272 ± 1308
Vimentin + Collagen IV	787 ± 1032	535 ± 858	646 ± 827	826 ± 918	678 ± 857
Vimentin + FXIIIA	16 ± 28	12 ± 26	14 ± 25	12 ± 26	33 ± 62
Vimentin + HLA-DR	3040 ± 3061	1908 ± 2372	2033 ± 2522	1980 ± 2419	2198 ± 2461
Vimentin + IL-22R	652 ± 498	510 ± 501	487 ± 517	538 ± 503	536 ± 501
Vimentin + IL-23R	232 ± 273	266 ± 421	131 ± 179	248 ± 221	198 ± 180
Vimentin + Ki67	291 ± 320	192 ± 332	259 ± 336	286 ± 341	238 ± 362
Vimentin + PI	3062 ± 1766	1858 ± 1430	2227 ± 1438	2393 ± 1431	2602 ± 1581
Vimentin + Podoplanin	604 ± 842	258 ± 460	205 ± 452	315 ± 593	173 ± 459
Vimentin + SNA1	1690 ± 2254	678 ± 863	929 ± 951	864 ± 879	936 ± 948
Vimentin + STAT3	434 ± 367	380 ± 382	257 ± 339	304 ± 261	305 ± 288
Vimentin + TIA1	70 ± 108	35 ± 82	55 ± 82	39 ± 81	44 ± 80

1.1.6 Duale Koexpression der Epidermis für die Non-Responder

Tabelle 231: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Aktin + CCR6	1 ± 3	1 ± 3	26 ± 65	1 ± 2	1 ± 3
Aktin + CD11a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD138	4 ± 6	3 ± 5	78 ± 197	3 ± 5	3 ± 5
Aktin + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD207	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD29	12 ± 12	7 ± 12	81 ± 193	7 ± 12	7 ± 12
Aktin + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD31	4 ± 6	2 ± 5	2 ± 5	2 ± 5	2 ± 5
Aktin + CD4	1 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Aktin + CD44	2 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
Aktin + CD45	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD45RA	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
Aktin + CD45RO	0 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
Aktin + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD54	5 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
Aktin + CD56	2 ± 4	0 ± 1	68 ± 178	0 ± 1	0 ± 1
Aktin + CD58	4 ± 7	2 ± 6	2 ± 6	2 ± 6	2 ± 6
Aktin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD62P	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Aktin + CD68	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
Aktin + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CK14	7 ± 12	6 ± 12	79 ± 192	6 ± 12	6 ± 12
Aktin + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + c-myc	5 ± 7	2 ± 5	79 ± 201	3 ± 5	2 ± 5
Aktin + Collagen IV	5 ± 8	3 ± 7	6 ± 11	3 ± 7	3 ± 7
Aktin + FXIIIA	2 ± 2	1 ± 2	16 ± 38	1 ± 2	1 ± 2
Aktin + HLA-DR	4 ± 5	2 ± 5	10 ± 21	2 ± 5	2 ± 5
Aktin + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Aktin + IL-23R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Aktin + Ki67	0 ± 0	0 ± 0	1 ± 1	0 ± 1	0 ± 0
Aktin + PI	4 ± 5	2 ± 4	57 ± 143	2 ± 4	2 ± 4
Aktin + Podoplanin	3 ± 9	3 ± 9	46 ± 112	4 ± 9	3 ± 9
Aktin + SNA1	7 ± 9	3 ± 7	4 ± 7	3 ± 7	3 ± 7
Aktin + STAT3	1 ± 3	0 ± 1	76 ± 201	0 ± 1	0 ± 1
Aktin + TIA1	0 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
Aktin + Vimentin	5 ± 6	4 ± 6	9 ± 13	4 ± 6	4 ± 6

Tabelle 232: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
BCL2 + CCR6	74 ± 128	182 ± 422	25 ± 28	68 ± 76	28 ± 27
BCL2 + CD11a	156 ± 240	39 ± 44	39 ± 45	61 ± 48	44 ± 42
BCL2 + CD11b	14 ± 17	11 ± 19	11 ± 19	11 ± 18	11 ± 19
BCL2 + CD120a	51 ± 45	96 ± 171	27 ± 37	28 ± 36	28 ± 36
BCL2 + CD120b	11 ± 17	14 ± 27	3 ± 6	10 ± 17	4 ± 6
BCL2 + CD138	3264 ± 3104	3826 ± 4669	2048 ± 3240	2151 ± 3187	2110 ± 3201
BCL2 + CD15	33 ± 50	59 ± 73	33 ± 50	48 ± 55	33 ± 50
BCL2 + CD1a	84 ± 88	302 ± 617	43 ± 77	46 ± 75	47 ± 75
BCL2 + CD2	195 ± 317	58 ± 58	58 ± 58	95 ± 61	67 ± 50
BCL2 + CD207	135 ± 185	474 ± 961	100 ± 195	105 ± 192	102 ± 194
BCL2 + CD24	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
BCL2 + CD28	71 ± 146	11 ± 15	9 ± 16	13 ± 16	9 ± 16
BCL2 + CD29	2241 ± 1724	1612 ± 1447	1134 ± 1303	1197 ± 1256	1179 ± 1266
BCL2 + CD3	120 ± 174	34 ± 38	33 ± 38	76 ± 74	40 ± 34
BCL2 + CD31	4 ± 6	1 ± 3	1 ± 3	1 ± 3	1 ± 3
BCL2 + CD4	81 ± 150	15 ± 21	14 ± 22	41 ± 57	14 ± 22
BCL2 + CD44	1731 ± 2144	1533 ± 2188	1220 ± 2262	1291 ± 2225	1242 ± 2250
BCL2 + CD45	136 ± 266	22 ± 32	20 ± 33	39 ± 47	20 ± 33
BCL2 + CD45RA	42 ± 51	21 ± 26	21 ± 26	24 ± 24	22 ± 25
BCL2 + CD45RO	92 ± 213	5 ± 9	4 ± 9	13 ± 20	4 ± 9
BCL2 + CD52	19 ± 34	5 ± 4	4 ± 4	20 ± 38	4 ± 4
BCL2 + CD54	203 ± 511	9 ± 21	9 ± 21	40 ± 82	9 ± 21
BCL2 + CD56	9 ± 18	1 ± 1	2 ± 3	2 ± 4	1 ± 2
BCL2 + CD58	1247 ± 1548	2359 ± 3235	983 ± 1648	1029 ± 1619	1013 ± 1628
BCL2 + CD62E	12 ± 16	8 ± 14	8 ± 14	8 ± 14	8 ± 14
BCL2 + CD62P	11 ± 25	11 ± 25	10 ± 25	10 ± 25	10 ± 25
BCL2 + CD68	675 ± 509	591 ± 466	500 ± 444	520 ± 444	558 ± 409
BCL2 + CD7	126 ± 239	17 ± 12	18 ± 12	43 ± 63	20 ± 9
BCL2 + CD8a	64 ± 70	22 ± 31	21 ± 32	29 ± 29	24 ± 30
BCL2 + CK14	4960 ± 3992	4548 ± 4691	3036 ± 3940	3111 ± 3879	3133 ± 3869
BCL2 + CLA	113 ± 118	77 ± 81	49 ± 65	67 ± 57	58 ± 61
BCL2 + c-myc	3152 ± 3740	4246 ± 6026	2257 ± 3871	2255 ± 3869	2307 ± 3851
BCL2 + Collagen IV	282 ± 179	166 ± 149	159 ± 153	197 ± 152	163 ± 151
BCL2 + FXIIIA	17 ± 26	7 ± 10	7 ± 10	11 ± 12	7 ± 10
BCL2 + HLA-DR	703 ± 641	383 ± 509	334 ± 534	468 ± 526	356 ± 521
BCL2 + IL-22R	1577 ± 2861	2712 ± 3609	1521 ± 2892	1535 ± 2885	1574 ± 2865
BCL2 + IL-23R	1061 ± 935	785 ± 799	698 ± 819	763 ± 783	662 ± 832
BCL2 + Ki67	515 ± 462	345 ± 378	202 ± 264	217 ± 254	207 ± 260
BCL2 + PI	3644 ± 3050	3013 ± 3372	1627 ± 1797	1742 ± 1728	1789 ± 1685
BCL2 + Podoplanin	138 ± 314	17 ± 36	16 ± 36	64 ± 126	16 ± 35
BCL2 + SNA1	641 ± 870	123 ± 76	113 ± 85	146 ± 96	110 ± 90
BCL2 + STAT3	2071 ± 2014	3385 ± 4816	1398 ± 2038	1385 ± 2047	1349 ± 2067
BCL2 + TIA1	17 ± 18	21 ± 30	10 ± 16	13 ± 16	11 ± 16
BCL2 + Vimentin	1190 ± 1135	537 ± 313	481 ± 279	622 ± 258	483 ± 269

Tabelle 233: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	1 ± 3	1 ± 3	26 ± 65	1 ± 2	1 ± 3
CCR6 + BCL2	74 ± 128	182 ± 422	25 ± 28	68 ± 76	28 ± 27
CCR6 + CD11a	81 ± 158	18 ± 43	19 ± 42	42 ± 60	22 ± 41
CCR6 + CD11b	8 ± 15	6 ± 16	6 ± 16	6 ± 15	6 ± 16
CCR6 + CD120a	6 ± 8	9 ± 15	5 ± 4	13 ± 19	20 ± 42
CCR6 + CD120b	9 ± 19	3 ± 6	2 ± 4	8 ± 16	2 ± 4
CCR6 + CD138	163 ± 170	221 ± 387	150 ± 203	205 ± 252	260 ± 461
CCR6 + CD15	4 ± 9	4 ± 9	4 ± 9	11 ± 20	5 ± 10
CCR6 + CD1a	16 ± 21	29 ± 59	10 ± 11	25 ± 35	25 ± 46
CCR6 + CD2	89 ± 168	23 ± 47	25 ± 46	65 ± 86	29 ± 45
CCR6 + CD207	18 ± 28	28 ± 55	12 ± 13	42 ± 59	24 ± 38
CCR6 + CD24	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CCR6 + CD28	49 ± 106	7 ± 19	7 ± 19	14 ± 23	8 ± 19
CCR6 + CD29	97 ± 155	69 ± 101	67 ± 91	111 ± 151	58 ± 72
CCR6 + CD3	80 ± 148	22 ± 51	23 ± 50	83 ± 124	26 ± 49
CCR6 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD4	49 ± 100	9 ± 22	10 ± 22	39 ± 66	11 ± 22
CCR6 + CD44	126 ± 193	59 ± 58	68 ± 64	214 ± 281	125 ± 155
CCR6 + CD45	80 ± 172	12 ± 30	14 ± 30	43 ± 76	18 ± 31
CCR6 + CD45RA	10 ± 16	4 ± 8	5 ± 7	9 ± 11	4 ± 7
CCR6 + CD45RO	66 ± 139	12 ± 30	13 ± 30	29 ± 44	12 ± 30
CCR6 + CD52	26 ± 54	5 ± 11	5 ± 11	35 ± 73	6 ± 11
CCR6 + CD54	52 ± 115	8 ± 21	8 ± 21	35 ± 70	8 ± 21
CCR6 + CD56	2 ± 2	1 ± 2	28 ± 71	2 ± 2	1 ± 2
CCR6 + CD58	54 ± 39	138 ± 277	36 ± 28	99 ± 148	76 ± 111
CCR6 + CD62E	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CCR6 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD68	63 ± 88	32 ± 51	36 ± 49	63 ± 74	57 ± 66
CCR6 + CD7	59 ± 119	12 ± 21	13 ± 21	50 ± 91	14 ± 20
CCR6 + CD8a	28 ± 48	12 ± 29	12 ± 29	20 ± 29	13 ± 28
CCR6 + CK14	223 ± 248	193 ± 270	170 ± 153	347 ± 416	290 ± 389
CCR6 + CLA	41 ± 64	17 ± 30	17 ± 30	35 ± 37	34 ± 45
CCR6 + c-myc	115 ± 118	213 ± 418	138 ± 181	131 ± 137	160 ± 195
CCR6 + Collagen IV	7 ± 8	3 ± 6	6 ± 6	20 ± 40	6 ± 7
CCR6 + FXIIIA	4 ± 8	0 ± 1	10 ± 25	5 ± 10	0 ± 1
CCR6 + HLA-DR	113 ± 189	34 ± 56	48 ± 57	183 ± 284	68 ± 82
CCR6 + IL-22R	43 ± 31	157 ± 330	35 ± 23	81 ± 134	170 ± 293
CCR6 + IL-23R	82 ± 99	52 ± 86	53 ± 86	127 ± 194	159 ± 302
CCR6 + Ki67	9 ± 13	3 ± 5	2 ± 3	3 ± 5	4 ± 7
CCR6 + PI	102 ± 184	86 ± 158	66 ± 82	98 ± 134	84 ± 98
CCR6 + Podoplanin	11 ± 16	4 ± 7	37 ± 84	78 ± 194	4 ± 7
CCR6 + SNA1	78 ± 144	14 ± 26	16 ± 25	51 ± 81	18 ± 26
CCR6 + STAT3	106 ± 114	208 ± 411	115 ± 174	116 ± 162	174 ± 339
CCR6 + TIA1	7 ± 12	4 ± 5	4 ± 5	5 ± 5	3 ± 5
CCR6 + Vimentin	151 ± 259	49 ± 69	63 ± 65	189 ± 234	87 ± 102

Tabelle 234: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + BCL2	156 ± 240	39 ± 44	39 ± 45	61 ± 48	44 ± 42
CD11a + CCR6	81 ± 158	18 ± 43	19 ± 42	42 ± 60	22 ± 41
CD11a + CD11b	196 ± 241	71 ± 183	71 ± 183	88 ± 181	71 ± 183
CD11a + CD120a	38 ± 42	25 ± 45	26 ± 44	45 ± 59	27 ± 44
CD11a + CD120b	49 ± 73	15 ± 38	15 ± 38	40 ± 71	17 ± 37
CD11a + CD138	749 ± 1294	139 ± 290	144 ± 287	173 ± 279	150 ± 285
CD11a + CD15	5 ± 10	1 ± 1	1 ± 1	11 ± 25	1 ± 1
CD11a + CD1a	77 ± 98	44 ± 78	44 ± 78	50 ± 75	48 ± 76
CD11a + CD2	1009 ± 1673	256 ± 425	264 ± 420	412 ± 494	289 ± 406
CD11a + CD207	91 ± 129	58 ± 116	60 ± 116	64 ± 114	62 ± 115
CD11a + CD24	7 ± 10	6 ± 11	6 ± 11	14 ± 22	6 ± 11
CD11a + CD28	662 ± 1476	63 ± 116	63 ± 116	112 ± 154	64 ± 116
CD11a + CD29	837 ± 1474	158 ± 327	161 ± 325	231 ± 335	179 ± 318
CD11a + CD3	889 ± 1452	246 ± 455	251 ± 452	492 ± 673	272 ± 441
CD11a + CD31	2 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD4	717 ± 1499	99 ± 183	101 ± 182	382 ± 716	103 ± 180
CD11a + CD44	1281 ± 1970	317 ± 588	329 ± 582	708 ± 1026	334 ± 579
CD11a + CD45	1128 ± 2175	138 ± 237	146 ± 233	418 ± 718	147 ± 232
CD11a + CD45RA	195 ± 267	94 ± 203	95 ± 203	214 ± 338	101 ± 200
CD11a + CD45RO	760 ± 1546	87 ± 217	91 ± 215	176 ± 286	88 ± 216
CD11a + CD52	116 ± 222	18 ± 36	17 ± 36	103 ± 223	22 ± 36
CD11a + CD54	747 ± 1548	145 ± 383	145 ± 383	385 ± 685	145 ± 383
CD11a + CD56	11 ± 15	6 ± 14	5 ± 14	9 ± 16	6 ± 14
CD11a + CD58	350 ± 407	163 ± 365	171 ± 362	257 ± 396	172 ± 360
CD11a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD68	206 ± 252	139 ± 237	143 ± 234	169 ± 227	159 ± 228
CD11a + CD7	783 ± 1352	149 ± 322	157 ± 319	323 ± 499	154 ± 320
CD11a + CD8a	365 ± 394	132 ± 251	133 ± 251	210 ± 279	167 ± 238
CD11a + CK14	1366 ± 1924	371 ± 624	388 ± 614	658 ± 810	433 ± 591
CD11a + CLA	369 ± 402	167 ± 263	175 ± 258	234 ± 264	193 ± 247
CD11a + c-myc	404 ± 568	68 ± 109	72 ± 107	476 ± 1043	88 ± 102
CD11a + Collagen IV	173 ± 244	38 ± 79	38 ± 79	158 ± 308	44 ± 77
CD11a + FXIIIA	6 ± 13	5 ± 14	5 ± 14	12 ± 21	5 ± 14
CD11a + HLA-DR	1100 ± 1528	297 ± 557	308 ± 550	568 ± 754	310 ± 549
CD11a + IL-22R	96 ± 106	68 ± 113	68 ± 113	72 ± 111	80 ± 107
CD11a + IL-23R	29 ± 36	7 ± 11	7 ± 11	31 ± 53	10 ± 10
CD11a + Ki67	32 ± 42	14 ± 30	14 ± 30	14 ± 30	16 ± 29
CD11a + PI	956 ± 1652	185 ± 287	190 ± 283	398 ± 518	226 ± 265
CD11a + Podoplanin	75 ± 150	15 ± 39	15 ± 39	131 ± 303	15 ± 39
CD11a + SNA1	794 ± 1355	89 ± 195	91 ± 194	263 ± 460	95 ± 192
CD11a + STAT3	110 ± 184	9 ± 12	9 ± 12	13 ± 11	13 ± 13
CD11a + TIA1	59 ± 64	24 ± 49	26 ± 48	53 ± 81	30 ± 48
CD11a + Vimentin	891 ± 1365	262 ± 538	271 ± 534	448 ± 627	278 ± 530

Tabelle 235: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + BCL2	14 ± 17	11 ± 19	11 ± 19	11 ± 18	11 ± 19
CD11b + CCR6	8 ± 15	6 ± 16	6 ± 16	6 ± 15	6 ± 16
CD11b + CD11a	196 ± 241	71 ± 183	71 ± 183	88 ± 181	71 ± 183
CD11b + CD120a	32 ± 68	27 ± 70	27 ± 70	30 ± 69	27 ± 70
CD11b + CD120b	11 ± 18	6 ± 17	6 ± 17	9 ± 17	6 ± 17
CD11b + CD138	189 ± 382	155 ± 391	155 ± 391	157 ± 390	155 ± 391
CD11b + CD15	127 ± 331	2 ± 5	2 ± 5	128 ± 332	2 ± 5
CD11b + CD1a	32 ± 79	30 ± 80	30 ± 80	33 ± 79	30 ± 80
CD11b + CD2	90 ± 134	45 ± 114	45 ± 114	52 ± 113	45 ± 114
CD11b + CD207	8 ± 9	4 ± 8	4 ± 8	17 ± 34	4 ± 8
CD11b + CD24	102 ± 217	18 ± 49	18 ± 49	230 ± 553	18 ± 49
CD11b + CD28	34 ± 54	8 ± 20	8 ± 20	12 ± 21	8 ± 20
CD11b + CD29	189 ± 246	109 ± 232	109 ± 232	149 ± 233	109 ± 231
CD11b + CD3	71 ± 104	37 ± 96	37 ± 96	58 ± 102	37 ± 96
CD11b + CD31	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD11b + CD4	95 ± 132	38 ± 91	38 ± 91	49 ± 91	39 ± 91
CD11b + CD44	387 ± 581	240 ± 596	241 ± 595	321 ± 590	242 ± 595
CD11b + CD45	154 ± 209	36 ± 92	36 ± 92	64 ± 108	36 ± 92
CD11b + CD45RA	53 ± 91	37 ± 94	37 ± 94	43 ± 93	37 ± 94
CD11b + CD45RO	162 ± 247	53 ± 141	53 ± 141	220 ± 441	53 ± 141
CD11b + CD52	9 ± 16	3 ± 8	3 ± 8	27 ± 63	3 ± 8
CD11b + CD54	257 ± 446	161 ± 424	161 ± 424	171 ± 421	161 ± 424
CD11b + CD56	13 ± 26	10 ± 27	10 ± 27	10 ± 27	10 ± 27
CD11b + CD58	96 ± 214	85 ± 218	85 ± 218	94 ± 215	85 ± 218
CD11b + CD62E	1 ± 3	1 ± 3	1 ± 3	17 ± 41	1 ± 3
CD11b + CD62P	2 ± 5	2 ± 5	2 ± 5	7 ± 12	2 ± 5
CD11b + CD68	158 ± 318	142 ± 325	141 ± 325	146 ± 322	145 ± 323
CD11b + CD7	149 ± 260	44 ± 115	44 ± 115	54 ± 114	44 ± 115
CD11b + CD8a	38 ± 54	19 ± 49	19 ± 49	21 ± 48	19 ± 49
CD11b + CK14	433 ± 641	299 ± 672	300 ± 672	436 ± 681	317 ± 664
CD11b + CLA	61 ± 98	37 ± 93	37 ± 93	65 ± 108	37 ± 93
CD11b + c-myc	271 ± 361	137 ± 345	137 ± 345	219 ± 367	152 ± 339
CD11b + Collagen IV	169 ± 277	112 ± 286	113 ± 286	163 ± 289	127 ± 282
CD11b + FXIIIA	12 ± 25	10 ± 26	10 ± 26	12 ± 25	12 ± 25
CD11b + HLA-DR	443 ± 653	280 ± 673	282 ± 672	337 ± 656	284 ± 671
CD11b + IL-22R	41 ± 97	40 ± 97	40 ± 97	41 ± 97	40 ± 97
CD11b + IL-23R	18 ± 28	10 ± 26	10 ± 26	116 ± 275	10 ± 26
CD11b + Ki67	8 ± 18	7 ± 18	7 ± 18	7 ± 18	7 ± 18
CD11b + PI	181 ± 206	84 ± 170	84 ± 170	130 ± 182	85 ± 169
CD11b + Podoplanin	19 ± 40	16 ± 41	16 ± 41	25 ± 44	16 ± 41
CD11b + SNA1	405 ± 501	156 ± 385	157 ± 384	273 ± 442	168 ± 380
CD11b + STAT3	121 ± 290	8 ± 14	8 ± 14	297 ± 762	8 ± 14
CD11b + TIA1	30 ± 47	13 ± 34	13 ± 34	237 ± 588	13 ± 34
CD11b + Vimentin	343 ± 636	266 ± 659	266 ± 659	277 ± 654	269 ± 657

Tabelle 236: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	51 ± 45	96 ± 171	27 ± 37	28 ± 36	28 ± 36
CD120a + CCR6	6 ± 8	9 ± 15	5 ± 4	13 ± 19	20 ± 42
CD120a + CD11a	38 ± 42	25 ± 45	26 ± 44	45 ± 59	27 ± 44
CD120a + CD11b	32 ± 68	27 ± 70	27 ± 70	30 ± 69	27 ± 70
CD120a + CD120b	2 ± 2	5 ± 11	1 ± 2	3 ± 4	1 ± 2
CD120a + CD138	331 ± 200	228 ± 134	207 ± 116	234 ± 139	456 ± 677
CD120a + CD15	6 ± 7	12 ± 16	6 ± 8	9 ± 8	6 ± 7
CD120a + CD1a	241 ± 155	163 ± 80	172 ± 95	176 ± 47	224 ± 202
CD120a + CD2	38 ± 48	33 ± 50	34 ± 50	40 ± 47	47 ± 53
CD120a + CD207	234 ± 138	175 ± 119	207 ± 137	206 ± 97	233 ± 188
CD120a + CD24	1 ± 1	1 ± 2	1 ± 2	4 ± 7	1 ± 2
CD120a + CD28	13 ± 18	13 ± 19	9 ± 18	11 ± 17	9 ± 17
CD120a + CD29	99 ± 71	113 ± 94	80 ± 78	99 ± 70	188 ± 258
CD120a + CD3	21 ± 29	18 ± 30	19 ± 30	27 ± 30	18 ± 30
CD120a + CD31	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD4	21 ± 23	14 ± 25	15 ± 25	33 ± 45	16 ± 24
CD120a + CD44	239 ± 96	186 ± 125	205 ± 112	275 ± 119	359 ± 374
CD120a + CD45	85 ± 87	38 ± 46	43 ± 42	70 ± 85	61 ± 68
CD120a + CD45RA	5 ± 7	3 ± 6	3 ± 6	6 ± 9	3 ± 6
CD120a + CD45RO	39 ± 57	20 ± 37	20 ± 37	37 ± 54	17 ± 38
CD120a + CD52	2 ± 2	0 ± 1	0 ± 1	4 ± 10	2 ± 3
CD120a + CD54	73 ± 128	47 ± 124	47 ± 124	82 ± 142	47 ± 124
CD120a + CD56	1 ± 3	1 ± 2	1 ± 2	1 ± 3	1 ± 2
CD120a + CD58	203 ± 129	186 ± 150	146 ± 140	159 ± 136	224 ± 223
CD120a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD68	119 ± 103	136 ± 103	121 ± 102	127 ± 99	162 ± 114
CD120a + CD7	10 ± 11	8 ± 11	8 ± 11	15 ± 19	8 ± 11
CD120a + CD8a	12 ± 26	11 ± 26	11 ± 26	12 ± 26	11 ± 26
CD120a + CK14	498 ± 313	354 ± 182	338 ± 136	375 ± 94	678 ± 861
CD120a + CLA	110 ± 118	60 ± 77	82 ± 88	62 ± 75	130 ± 181
CD120a + c-myc	184 ± 198	134 ± 158	75 ± 57	122 ± 115	96 ± 48
CD120a + Collagen IV	11 ± 15	6 ± 7	5 ± 6	26 ± 48	18 ± 28
CD120a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD120a + HLA-DR	356 ± 156	209 ± 145	267 ± 122	332 ± 121	331 ± 214
CD120a + IL-22R	202 ± 105	203 ± 164	139 ± 121	159 ± 114	343 ± 481
CD120a + IL-23R	213 ± 246	76 ± 63	68 ± 69	105 ± 60	132 ± 155
CD120a + Ki67	23 ± 23	20 ± 21	17 ± 22	20 ± 22	23 ± 22
CD120a + PI	163 ± 52	167 ± 134	129 ± 42	149 ± 64	248 ± 305
CD120a + Podoplanin	6 ± 15	6 ± 15	6 ± 15	15 ± 27	6 ± 15
CD120a + SNA1	93 ± 92	35 ± 25	46 ± 25	65 ± 64	59 ± 47
CD120a + STAT3	242 ± 313	141 ± 160	76 ± 109	94 ± 101	204 ± 333
CD120a + TIA1	3 ± 8	1 ± 1	0 ± 1	3 ± 7	1 ± 1
CD120a + Vimentin	270 ± 124	182 ± 122	240 ± 137	245 ± 89	300 ± 253

Tabelle 237: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + BCL2	11 ± 17	14 ± 27	3 ± 6	10 ± 17	4 ± 6
CD120b + CCR6	9 ± 19	3 ± 6	2 ± 4	8 ± 16	2 ± 4
CD120b + CD11a	49 ± 73	15 ± 38	15 ± 38	40 ± 71	17 ± 37
CD120b + CD11b	11 ± 18	6 ± 17	6 ± 17	9 ± 17	6 ± 17
CD120b + CD120a	2 ± 2	5 ± 11	1 ± 2	3 ± 4	1 ± 2
CD120b + CD138	24 ± 31	20 ± 24	11 ± 18	26 ± 39	12 ± 17
CD120b + CD15	0 ± 0	0 ± 0	0 ± 0	3 ± 7	0 ± 0
CD120b + CD1a	4 ± 6	4 ± 6	3 ± 7	4 ± 7	4 ± 6
CD120b + CD2	40 ± 62	15 ± 39	15 ± 39	43 ± 77	19 ± 38
CD120b + CD207	2 ± 4	4 ± 5	2 ± 4	4 ± 5	2 ± 4
CD120b + CD24	19 ± 33	9 ± 23	9 ± 23	15 ± 23	9 ± 23
CD120b + CD28	34 ± 58	10 ± 19	7 ± 19	46 ± 100	10 ± 19
CD120b + CD29	41 ± 69	17 ± 28	14 ± 28	69 ± 131	15 ± 28
CD120b + CD3	50 ± 76	19 ± 49	19 ± 49	96 ± 203	23 ± 48
CD120b + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD4	37 ± 56	11 ± 29	11 ± 29	47 ± 94	13 ± 29
CD120b + CD44	64 ± 91	26 ± 56	25 ± 56	95 ± 173	27 ± 55
CD120b + CD45	40 ± 61	10 ± 25	10 ± 25	79 ± 181	11 ± 25
CD120b + CD45RA	10 ± 18	4 ± 10	4 ± 10	6 ± 10	5 ± 9
CD120b + CD45RO	34 ± 47	15 ± 36	14 ± 36	41 ± 75	14 ± 36
CD120b + CD52	8 ± 11	2 ± 6	2 ± 6	32 ± 78	3 ± 6
CD120b + CD54	35 ± 57	14 ± 37	14 ± 37	21 ± 39	14 ± 36
CD120b + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD58	20 ± 22	18 ± 25	11 ± 22	60 ± 126	12 ± 22
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	19 ± 32	15 ± 29	12 ± 30	18 ± 30	14 ± 29
CD120b + CD7	51 ± 77	20 ± 52	20 ± 52	90 ± 184	21 ± 52
CD120b + CD8a	7 ± 9	4 ± 9	4 ± 9	13 ± 26	5 ± 9
CD120b + CK14	50 ± 60	37 ± 51	26 ± 50	85 ± 135	31 ± 48
CD120b + CLA	20 ± 31	7 ± 16	7 ± 16	16 ± 27	9 ± 16
CD120b + c-myc	31 ± 35	23 ± 31	14 ± 24	45 ± 72	17 ± 23
CD120b + Collagen IV	13 ± 23	9 ± 22	9 ± 22	24 ± 40	12 ± 23
CD120b + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + HLA-DR	47 ± 66	18 ± 39	17 ± 39	41 ± 55	18 ± 39
CD120b + IL-22R	5 ± 7	17 ± 29	5 ± 7	7 ± 7	6 ± 7
CD120b + IL-23R	2 ± 3	2 ± 2	1 ± 2	6 ± 13	1 ± 2
CD120b + Ki67	1 ± 3	2 ± 3	1 ± 3	1 ± 3	1 ± 3
CD120b + PI	37 ± 61	21 ± 29	11 ± 22	27 ± 37	13 ± 22
CD120b + Podoplanin	2 ± 3	1 ± 2	1 ± 2	50 ± 129	1 ± 2
CD120b + SNA1	50 ± 77	14 ± 34	14 ± 34	36 ± 60	17 ± 34
CD120b + STAT3	5 ± 6	13 ± 24	3 ± 4	4 ± 4	3 ± 4
CD120b + TIA1	5 ± 7	2 ± 5	2 ± 5	5 ± 9	2 ± 5
CD120b + Vimentin	46 ± 71	20 ± 50	20 ± 50	32 ± 54	22 ± 49

Tabelle 238: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	4 ± 6	3 ± 5	78 ± 197	3 ± 5	3 ± 5
CD138 + BCL2	3264 ± 3104	3826 ± 4669	2048 ± 3240	2151 ± 3187	2110 ± 3201
CD138 + CCR6	163 ± 170	221 ± 387	150 ± 203	205 ± 252	260 ± 461
CD138 + CD11a	749 ± 1294	139 ± 290	144 ± 287	173 ± 279	150 ± 285
CD138 + CD11b	189 ± 382	155 ± 391	155 ± 391	157 ± 390	155 ± 391
CD138 + CD120a	331 ± 200	228 ± 134	207 ± 116	234 ± 139	456 ± 677
CD138 + CD120b	24 ± 31	20 ± 24	11 ± 18	26 ± 39	12 ± 17
CD138 + CD15	29 ± 30	32 ± 30	26 ± 32	58 ± 77	30 ± 30
CD138 + CD1a	1956 ± 2093	1038 ± 609	817 ± 387	745 ± 348	1130 ± 1142
CD138 + CD2	894 ± 1687	170 ± 346	183 ± 340	293 ± 365	216 ± 336
CD138 + CD207	1158 ± 758	931 ± 631	1000 ± 531	934 ± 456	822 ± 520
CD138 + CD24	159 ± 400	158 ± 400	158 ± 400	159 ± 400	158 ± 400
CD138 + CD28	618 ± 1483	28 ± 51	27 ± 51	42 ± 54	28 ± 50
CD138 + CD29	12343 ± 12458	6552 ± 5228	5214 ± 4648	6315 ± 4439	5204 ± 4705
CD138 + CD3	632 ± 1185	135 ± 302	142 ± 299	335 ± 480	148 ± 296
CD138 + CD31	5 ± 10	2 ± 3	0 ± 1	0 ± 1	0 ± 1
CD138 + CD4	477 ± 1141	32 ± 57	32 ± 56	70 ± 90	32 ± 56
CD138 + CD44	19362 ± 16598	10036 ± 10090	12460 ± 10788	14212 ± 10602	9981 ± 9825
CD138 + CD45	1011 ± 2266	67 ± 93	79 ± 87	243 ± 446	96 ± 107
CD138 + CD45RA	124 ± 200	54 ± 125	54 ± 124	70 ± 123	54 ± 125
CD138 + CD45RO	662 ± 1478	52 ± 135	57 ± 134	119 ± 191	56 ± 134
CD138 + CD52	79 ± 156	13 ± 24	12 ± 24	345 ± 872	16 ± 24
CD138 + CD54	1815 ± 3630	430 ± 1130	430 ± 1130	582 ± 1134	430 ± 1130
CD138 + CD56	25 ± 24	14 ± 22	127 ± 285	18 ± 22	14 ± 22
CD138 + CD58	14249 ± 11673	9260 ± 6417	7993 ± 7198	8526 ± 7267	7955 ± 6919
CD138 + CD62E	12 ± 16	8 ± 14	9 ± 14	10 ± 14	8 ± 14
CD138 + CD62P	11 ± 26	10 ± 26	10 ± 26	10 ± 26	10 ± 26
CD138 + CD68	653 ± 589	707 ± 533	582 ± 579	665 ± 579	692 ± 566
CD138 + CD7	722 ± 1264	109 ± 264	135 ± 260	247 ± 387	112 ± 262
CD138 + CD8a	312 ± 376	115 ± 279	121 ± 277	148 ± 274	136 ± 274
CD138 + CK14	52380 ± 47278	24068 ± 22314	27765 ± 22567	32736 ± 23709	24842 ± 22202
CD138 + CLA	659 ± 601	354 ± 483	414 ± 489	374 ± 468	576 ± 708
CD138 + c-myc	11737 ± 11543	7412 ± 5528	7281 ± 3938	5932 ± 4254	7196 ± 3509
CD138 + Collagen IV	484 ± 593	184 ± 266	172 ± 244	292 ± 320	160 ± 250
CD138 + FXIIIA	20 ± 36	6 ± 8	20 ± 37	15 ± 16	6 ± 8
CD138 + HLA-DR	10060 ± 10281	4240 ± 5598	4566 ± 5462	7420 ± 8640	4193 ± 5441
CD138 + IL-22R	10171 ± 4861	8885 ± 5051	7270 ± 6459	7885 ± 5936	9452 ± 5243
CD138 + IL-23R	4375 ± 3112	4085 ± 4736	2246 ± 2323	3337 ± 2697	3110 ± 2668
CD138 + Ki67	1513 ± 1457	952 ± 1064	721 ± 1072	788 ± 1043	812 ± 1031
CD138 + PI	10904 ± 10462	6308 ± 3737	5735 ± 3203	7117 ± 5724	5258 ± 3630
CD138 + Podoplanin	990 ± 1614	519 ± 1356	584 ± 1336	1963 ± 3818	525 ± 1353
CD138 + SNA1	3550 ± 5510	792 ± 1228	466 ± 770	680 ± 825	431 ± 784
CD138 + STAT3	17150 ± 16287	10932 ± 7018	7401 ± 6265	8885 ± 5646	8078 ± 6702
CD138 + TIA1	29 ± 36	23 ± 35	19 ± 28	18 ± 27	25 ± 31
CD138 + Vimentin	3186 ± 3492	1638 ± 1823	1780 ± 1806	2118 ± 1888	1806 ± 1951

Tabelle 239: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	33 ± 50	59 ± 73	33 ± 50	48 ± 55	33 ± 50
CD15 + CCR6	4 ± 9	4 ± 9	4 ± 9	11 ± 20	5 ± 10
CD15 + CD11a	5 ± 10	1 ± 1	1 ± 1	11 ± 25	1 ± 1
CD15 + CD11b	127 ± 331	2 ± 5	2 ± 5	128 ± 332	2 ± 5
CD15 + CD120a	6 ± 7	12 ± 16	6 ± 8	9 ± 8	6 ± 7
CD15 + CD120b	0 ± 0	0 ± 0	0 ± 0	3 ± 7	0 ± 0
CD15 + CD138	29 ± 30	32 ± 30	26 ± 32	58 ± 77	30 ± 30
CD15 + CD1a	9 ± 11	20 ± 28	9 ± 11	14 ± 14	10 ± 11
CD15 + CD2	7 ± 10	5 ± 9	5 ± 9	9 ± 10	5 ± 9
CD15 + CD207	11 ± 14	27 ± 41	11 ± 14	18 ± 19	12 ± 13
CD15 + CD24	83 ± 217	0 ± 1	0 ± 1	67 ± 173	0 ± 1
CD15 + CD28	1 ± 2	1 ± 1	0 ± 0	4 ± 10	0 ± 0
CD15 + CD29	24 ± 23	38 ± 54	15 ± 15	68 ± 83	16 ± 15
CD15 + CD3	2 ± 5	0 ± 0	0 ± 0	18 ± 41	0 ± 0
CD15 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	3 ± 7	0 ± 1	0 ± 1	9 ± 19	0 ± 1
CD15 + CD44	33 ± 39	36 ± 39	30 ± 41	108 ± 120	32 ± 39
CD15 + CD45	8 ± 14	4 ± 5	2 ± 5	28 ± 65	2 ± 5
CD15 + CD45RA	1 ± 1	1 ± 1	1 ± 1	4 ± 7	1 ± 1
CD15 + CD45RO	39 ± 103	0 ± 0	0 ± 0	39 ± 100	0 ± 0
CD15 + CD52	0 ± 0	0 ± 0	0 ± 0	25 ± 65	0 ± 0
CD15 + CD54	15 ± 40	0 ± 0	0 ± 0	5 ± 14	0 ± 0
CD15 + CD56	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD15 + CD58	14 ± 18	26 ± 31	14 ± 18	23 ± 24	14 ± 18
CD15 + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD15 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD68	24 ± 46	70 ± 119	24 ± 45	67 ± 103	30 ± 43
CD15 + CD7	70 ± 181	1 ± 3	1 ± 3	8 ± 12	1 ± 3
CD15 + CD8a	2 ± 4	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + CK14	66 ± 60	96 ± 122	47 ± 56	147 ± 178	53 ± 51
CD15 + CLA	28 ± 46	14 ± 17	10 ± 16	27 ± 38	10 ± 16
CD15 + c-myc	43 ± 42	44 ± 43	32 ± 41	147 ± 198	32 ± 41
CD15 + Collagen IV	15 ± 20	15 ± 20	8 ± 15	79 ± 124	8 ± 15
CD15 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD15 + HLA-DR	34 ± 42	25 ± 25	17 ± 23	104 ± 161	18 ± 22
CD15 + IL-22R	25 ± 42	36 ± 44	25 ± 42	29 ± 40	27 ± 41
CD15 + IL-23R	17 ± 16	13 ± 17	13 ± 17	28 ± 33	13 ± 17
CD15 + Ki67	0 ± 0	6 ± 17	0 ± 0	2 ± 4	0 ± 0
CD15 + PI	38 ± 69	45 ± 86	11 ± 17	48 ± 67	16 ± 17
CD15 + Podoplanin	0 ± 0	0 ± 1	0 ± 0	7 ± 16	0 ± 0
CD15 + SNA1	81 ± 179	19 ± 20	12 ± 14	142 ± 242	12 ± 14
CD15 + STAT3	125 ± 287	21 ± 21	14 ± 18	36 ± 52	14 ± 18
CD15 + TIA1	5 ± 8	3 ± 7	3 ± 7	76 ± 193	3 ± 7
CD15 + Vimentin	36 ± 73	85 ± 138	35 ± 73	95 ± 153	39 ± 71

Tabelle 240: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + BCL2	84 ± 88	302 ± 617	43 ± 77	46 ± 75	47 ± 75
CD1a + CCR6	16 ± 21	29 ± 59	10 ± 11	25 ± 35	25 ± 46
CD1a + CD11a	77 ± 98	44 ± 78	44 ± 78	50 ± 75	48 ± 76
CD1a + CD11b	32 ± 79	30 ± 80	30 ± 80	33 ± 79	30 ± 80
CD1a + CD120a	241 ± 155	163 ± 80	172 ± 95	176 ± 47	224 ± 202
CD1a + CD120b	4 ± 6	4 ± 6	3 ± 7	4 ± 7	4 ± 6
CD1a + CD138	1956 ± 2093	1038 ± 609	817 ± 387	745 ± 348	1130 ± 1142
CD1a + CD15	9 ± 11	20 ± 28	9 ± 11	14 ± 14	10 ± 11
CD1a + CD2	87 ± 100	54 ± 87	55 ± 86	71 ± 84	77 ± 91
CD1a + CD207	920 ± 727	600 ± 274	683 ± 431	680 ± 438	651 ± 326
CD1a + CD24	3 ± 7	3 ± 7	3 ± 7	4 ± 7	3 ± 7
CD1a + CD28	55 ± 83	19 ± 33	19 ± 34	19 ± 33	20 ± 33
CD1a + CD29	226 ± 204	469 ± 517	179 ± 207	282 ± 260	220 ± 190
CD1a + CD3	67 ± 87	47 ± 85	47 ± 84	65 ± 85	50 ± 83
CD1a + CD31	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	53 ± 66	26 ± 44	26 ± 44	73 ± 117	30 ± 42
CD1a + CD44	773 ± 489	599 ± 410	582 ± 253	658 ± 378	720 ± 466
CD1a + CD45	231 ± 369	61 ± 62	69 ± 58	104 ± 120	91 ± 93
CD1a + CD45RA	14 ± 23	7 ± 19	7 ± 19	8 ± 19	7 ± 19
CD1a + CD45RO	102 ± 167	36 ± 92	37 ± 91	66 ± 108	36 ± 92
CD1a + CD52	6 ± 8	2 ± 3	1 ± 3	7 ± 14	5 ± 9
CD1a + CD54	196 ± 340	114 ± 303	114 ± 303	164 ± 309	114 ± 303
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	1219 ± 1119	924 ± 656	540 ± 387	480 ± 404	821 ± 719
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	230 ± 225	313 ± 215	219 ± 225	225 ± 221	323 ± 220
CD1a + CD7	54 ± 85	38 ± 88	38 ± 88	47 ± 86	39 ± 87
CD1a + CD8a	20 ± 38	16 ± 39	16 ± 39	18 ± 39	21 ± 39
CD1a + CK14	2062 ± 2092	1090 ± 529	993 ± 597	937 ± 473	1261 ± 967
CD1a + CLA	229 ± 276	118 ± 152	161 ± 202	114 ± 148	257 ± 402
CD1a + c-myc	668 ± 996	492 ± 652	339 ± 278	235 ± 247	544 ± 444
CD1a + Collagen IV	3 ± 8	5 ± 8	3 ± 8	4 ± 8	4 ± 8
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	1495 ± 1616	550 ± 333	661 ± 379	653 ± 272	781 ± 507
CD1a + IL-22R	663 ± 474	608 ± 393	325 ± 285	348 ± 273	759 ± 819
CD1a + IL-23R	357 ± 305	427 ± 664	168 ± 231	206 ± 212	339 ± 453
CD1a + Ki67	42 ± 54	42 ± 54	24 ± 52	28 ± 52	32 ± 53
CD1a + PI	322 ± 253	333 ± 267	173 ± 84	187 ± 86	248 ± 148
CD1a + Podoplanin	9 ± 22	9 ± 23	9 ± 23	41 ± 84	9 ± 23
CD1a + SNA1	178 ± 209	97 ± 125	74 ± 73	92 ± 113	63 ± 72
CD1a + STAT3	1218 ± 1437	822 ± 767	369 ± 375	401 ± 346	713 ± 1019
CD1a + TIA1	0 ± 0	3 ± 8	0 ± 1	2 ± 4	4 ± 7
CD1a + Vimentin	701 ± 524	468 ± 288	511 ± 368	494 ± 290	640 ± 480

Tabelle 241: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + BCL2	195 ± 317	58 ± 58	58 ± 58	95 ± 61	67 ± 50
CD2 + CCR6	89 ± 168	23 ± 47	25 ± 46	65 ± 86	29 ± 45
CD2 + CD11a	1009 ± 1673	256 ± 425	264 ± 420	412 ± 494	289 ± 406
CD2 + CD11b	90 ± 134	45 ± 114	45 ± 114	52 ± 113	45 ± 114
CD2 + CD120a	38 ± 48	33 ± 50	34 ± 50	40 ± 47	47 ± 53
CD2 + CD120b	40 ± 62	15 ± 39	15 ± 39	43 ± 77	19 ± 38
CD2 + CD138	894 ± 1687	170 ± 346	183 ± 340	293 ± 365	216 ± 336
CD2 + CD15	7 ± 10	5 ± 9	5 ± 9	9 ± 10	5 ± 9
CD2 + CD1a	87 ± 100	54 ± 87	55 ± 86	71 ± 84	77 ± 91
CD2 + CD207	89 ± 110	63 ± 107	69 ± 104	83 ± 102	77 ± 102
CD2 + CD24	7 ± 17	6 ± 17	6 ± 17	8 ± 17	6 ± 17
CD2 + CD28	628 ± 1421	62 ± 114	61 ± 114	100 ± 136	67 ± 112
CD2 + CD29	834 ± 1584	177 ± 331	188 ± 326	316 ± 409	199 ± 320
CD2 + CD3	883 ± 1455	269 ± 480	277 ± 476	582 ± 803	304 ± 462
CD2 + CD31	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD2 + CD4	616 ± 1340	84 ± 145	85 ± 144	222 ± 342	91 ± 141
CD2 + CD44	1054 ± 1713	318 ± 556	342 ± 544	662 ± 871	345 ± 542
CD2 + CD45	1020 ± 2123	122 ± 195	132 ± 190	303 ± 466	139 ± 188
CD2 + CD45RA	104 ± 131	57 ± 97	58 ± 96	89 ± 109	62 ± 94
CD2 + CD45RO	917 ± 1993	91 ± 225	95 ± 223	234 ± 394	91 ± 225
CD2 + CD52	114 ± 228	19 ± 38	18 ± 38	108 ± 230	25 ± 38
CD2 + CD54	630 ± 1356	110 ± 291	110 ± 291	182 ± 321	111 ± 291
CD2 + CD56	14 ± 24	9 ± 24	9 ± 24	16 ± 26	9 ± 24
CD2 + CD58	322 ± 379	170 ± 367	178 ± 364	270 ± 400	196 ± 357
CD2 + CD62E	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD2 + CD62P	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD68	257 ± 276	194 ± 277	202 ± 272	221 ± 258	230 ± 254
CD2 + CD7	771 ± 1371	137 ± 267	158 ± 261	345 ± 544	147 ± 262
CD2 + CD8a	425 ± 462	184 ± 334	183 ± 335	284 ± 373	228 ± 321
CD2 + CK14	1456 ± 2193	468 ± 700	506 ± 680	795 ± 863	556 ± 654
CD2 + CLA	457 ± 542	209 ± 295	230 ± 284	278 ± 274	255 ± 273
CD2 + c-myc	223 ± 291	66 ± 79	67 ± 78	189 ± 286	100 ± 70
CD2 + Collagen IV	91 ± 132	34 ± 45	35 ± 45	69 ± 92	50 ± 57
CD2 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	7 ± 15	1 ± 2
CD2 + HLA-DR	842 ± 1275	278 ± 507	293 ± 499	430 ± 504	305 ± 493
CD2 + IL-22R	100 ± 102	71 ± 107	71 ± 107	78 ± 103	102 ± 101
CD2 + IL-23R	34 ± 44	19 ± 33	19 ± 33	41 ± 40	31 ± 41
CD2 + Ki67	35 ± 43	17 ± 32	16 ± 33	17 ± 32	17 ± 32
CD2 + PI	1054 ± 1851	250 ± 340	269 ± 328	402 ± 363	299 ± 311
CD2 + Podoplanin	52 ± 93	19 ± 49	19 ± 49	144 ± 326	19 ± 49
CD2 + SNA1	608 ± 1148	99 ± 181	103 ± 180	217 ± 329	109 ± 179
CD2 + STAT3	125 ± 224	16 ± 26	15 ± 26	52 ± 63	37 ± 55
CD2 + TIA1	63 ± 76	36 ± 71	41 ± 69	64 ± 86	45 ± 69
CD2 + Vimentin	1104 ± 1731	375 ± 722	407 ± 709	556 ± 726	425 ± 701

Tabelle 242: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD207 + BCL2	135 ± 185	474 ± 961	100 ± 195	105 ± 192	102 ± 194
CD207 + CCR6	18 ± 28	28 ± 55	12 ± 13	42 ± 59	24 ± 38
CD207 + CD11a	91 ± 129	58 ± 116	60 ± 116	64 ± 114	62 ± 115
CD207 + CD11b	8 ± 9	4 ± 8	4 ± 8	17 ± 34	4 ± 8
CD207 + CD120a	234 ± 138	175 ± 119	207 ± 137	206 ± 97	233 ± 188
CD207 + CD120b	2 ± 4	4 ± 5	2 ± 4	4 ± 5	2 ± 4
CD207 + CD138	1158 ± 758	931 ± 631	1000 ± 531	934 ± 456	822 ± 520
CD207 + CD15	11 ± 14	27 ± 41	11 ± 14	18 ± 19	12 ± 13
CD207 + CD1a	920 ± 727	600 ± 274	683 ± 431	680 ± 438	651 ± 326
CD207 + CD2	89 ± 110	63 ± 107	69 ± 104	83 ± 102	77 ± 102
CD207 + CD24	1 ± 3	1 ± 3	1 ± 3	9 ± 21	1 ± 3
CD207 + CD28	44 ± 58	21 ± 36	21 ± 36	21 ± 36	21 ± 36
CD207 + CD29	338 ± 368	470 ± 429	287 ± 363	422 ± 394	300 ± 357
CD207 + CD3	57 ± 74	45 ± 75	47 ± 74	72 ± 82	47 ± 74
CD207 + CD31	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD4	60 ± 76	32 ± 56	33 ± 55	74 ± 101	35 ± 54
CD207 + CD44	745 ± 338	613 ± 276	789 ± 365	914 ± 575	684 ± 269
CD207 + CD45	217 ± 345	64 ± 88	75 ± 84	107 ± 133	87 ± 101
CD207 + CD45RA	16 ± 31	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD207 + CD45RO	93 ± 192	15 ± 32	21 ± 32	47 ± 76	15 ± 32
CD207 + CD52	4 ± 6	0 ± 1	0 ± 1	9 ± 19	2 ± 5
CD207 + CD54	160 ± 312	42 ± 112	42 ± 112	80 ± 137	42 ± 112
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	720 ± 548	800 ± 781	533 ± 470	480 ± 479	574 ± 461
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	254 ± 232	323 ± 226	248 ± 223	269 ± 232	334 ± 216
CD207 + CD7	38 ± 45	23 ± 39	25 ± 38	45 ± 60	24 ± 39
CD207 + CD8a	6 ± 9	5 ± 9	5 ± 9	9 ± 11	7 ± 8
CD207 + CK14	1406 ± 694	1267 ± 838	1420 ± 863	1422 ± 845	1157 ± 402
CD207 + CLA	243 ± 249	165 ± 214	235 ± 286	175 ± 205	282 ± 351
CD207 + c-myc	521 ± 474	709 ± 936	508 ± 430	341 ± 355	450 ± 309
CD207 + Collagen IV	3 ± 6	5 ± 7	3 ± 3	4 ± 6	2 ± 4
CD207 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	1207 ± 712	663 ± 336	1003 ± 557	1068 ± 476	950 ± 328
CD207 + IL-22R	562 ± 415	715 ± 624	479 ± 457	498 ± 451	665 ± 429
CD207 + IL-23R	265 ± 221	219 ± 238	162 ± 225	212 ± 209	249 ± 279
CD207 + Ki67	57 ± 37	75 ± 63	41 ± 38	42 ± 38	54 ± 37
CD207 + PI	452 ± 225	544 ± 514	391 ± 116	439 ± 257	399 ± 139
CD207 + Podoplanin	5 ± 7	3 ± 5	3 ± 5	38 ± 90	3 ± 5
CD207 + SNA1	190 ± 257	72 ± 93	81 ± 71	84 ± 116	46 ± 28
CD207 + STAT3	698 ± 654	757 ± 866	441 ± 485	510 ± 477	469 ± 521
CD207 + TIA1	0 ± 1	2 ± 4	1 ± 1	7 ± 17	1 ± 2
CD207 + Vimentin	719 ± 396	521 ± 126	685 ± 385	733 ± 350	692 ± 300

Tabelle 243: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD24 + CCR6	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD24 + CD11a	7 ± 10	6 ± 11	6 ± 11	14 ± 22	6 ± 11
CD24 + CD11b	102 ± 217	18 ± 49	18 ± 49	230 ± 553	18 ± 49
CD24 + CD120a	1 ± 1	1 ± 2	1 ± 2	4 ± 7	1 ± 2
CD24 + CD120b	19 ± 33	9 ± 23	9 ± 23	15 ± 23	9 ± 23
CD24 + CD138	159 ± 400	158 ± 400	158 ± 400	159 ± 400	158 ± 400
CD24 + CD15	83 ± 217	0 ± 1	0 ± 1	67 ± 173	0 ± 1
CD24 + CD1a	3 ± 7	3 ± 7	3 ± 7	4 ± 7	3 ± 7
CD24 + CD2	7 ± 17	6 ± 17	6 ± 17	8 ± 17	6 ± 17
CD24 + CD207	1 ± 3	1 ± 3	1 ± 3	9 ± 21	1 ± 3
CD24 + CD28	3 ± 4	2 ± 4	2 ± 4	5 ± 8	2 ± 4
CD24 + CD29	85 ± 190	75 ± 193	77 ± 192	95 ± 188	75 ± 193
CD24 + CD3	9 ± 20	8 ± 21	8 ± 21	18 ± 31	8 ± 21
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD4	6 ± 15	6 ± 15	6 ± 15	12 ± 20	6 ± 15
CD24 + CD44	136 ± 324	126 ± 327	130 ± 326	166 ± 321	127 ± 327
CD24 + CD45	6 ± 10	4 ± 10	4 ± 10	24 ± 53	4 ± 10
CD24 + CD45RA	8 ± 13	5 ± 12	6 ± 12	6 ± 12	5 ± 12
CD24 + CD45RO	39 ± 81	8 ± 22	8 ± 22	116 ± 283	8 ± 22
CD24 + CD52	2 ± 5	2 ± 5	2 ± 5	22 ± 53	2 ± 5
CD24 + CD54	67 ± 139	53 ± 141	53 ± 141	60 ± 139	53 ± 141
CD24 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD58	18 ± 34	17 ± 35	17 ± 35	23 ± 35	17 ± 35
CD24 + CD62E	0 ± 0	0 ± 0	0 ± 0	16 ± 41	0 ± 0
CD24 + CD62P	0 ± 1	0 ± 1	0 ± 1	5 ± 12	0 ± 1
CD24 + CD68	13 ± 33	13 ± 33	13 ± 33	15 ± 32	13 ± 33
CD24 + CD7	63 ± 157	4 ± 9	4 ± 9	9 ± 15	4 ± 9
CD24 + CD8a	3 ± 5	2 ± 5	2 ± 5	2 ± 4	2 ± 5
CD24 + CK14	150 ± 363	145 ± 366	148 ± 365	204 ± 361	145 ± 366
CD24 + CLA	19 ± 42	2 ± 6	2 ± 6	19 ± 44	2 ± 6
CD24 + c-myc	19 ± 25	13 ± 24	14 ± 23	60 ± 111	13 ± 24
CD24 + Collagen IV	10 ± 21	8 ± 21	11 ± 21	31 ± 56	8 ± 21
CD24 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	3 ± 5	1 ± 3
CD24 + HLA-DR	79 ± 154	64 ± 156	67 ± 155	104 ± 157	64 ± 156
CD24 + IL-22R	18 ± 45	18 ± 45	18 ± 45	19 ± 44	18 ± 45
CD24 + IL-23R	7 ± 9	3 ± 6	3 ± 6	89 ± 226	3 ± 6
CD24 + Ki67	15 ± 39	15 ± 39	15 ± 39	15 ± 39	15 ± 39
CD24 + PI	48 ± 84	17 ± 41	17 ± 41	30 ± 47	17 ± 41
CD24 + Podoplanin	62 ± 162	61 ± 162	61 ± 162	67 ± 161	61 ± 162
CD24 + SNA1	75 ± 156	15 ± 40	18 ± 39	74 ± 149	15 ± 40
CD24 + STAT3	93 ± 238	3 ± 7	3 ± 7	192 ± 498	3 ± 7
CD24 + TIA1	3 ± 6	1 ± 1	1 ± 1	132 ± 348	1 ± 1
CD24 + Vimentin	27 ± 69	26 ± 69	26 ± 69	29 ± 68	26 ± 69

Tabelle 244: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + BCL2	71 ± 146	11 ± 15	9 ± 16	13 ± 16	9 ± 16
CD28 + CCR6	49 ± 106	7 ± 19	7 ± 19	14 ± 23	8 ± 19
CD28 + CD11a	662 ± 1476	63 ± 116	63 ± 116	112 ± 154	64 ± 116
CD28 + CD11b	34 ± 54	8 ± 20	8 ± 20	12 ± 21	8 ± 20
CD28 + CD120a	13 ± 18	13 ± 19	9 ± 18	11 ± 17	9 ± 17
CD28 + CD120b	34 ± 58	10 ± 19	7 ± 19	46 ± 100	10 ± 19
CD28 + CD138	618 ± 1483	28 ± 51	27 ± 51	42 ± 54	28 ± 50
CD28 + CD15	1 ± 2	1 ± 1	0 ± 0	4 ± 10	0 ± 0
CD28 + CD1a	55 ± 83	19 ± 33	19 ± 34	19 ± 33	20 ± 33
CD28 + CD2	628 ± 1421	62 ± 114	61 ± 114	100 ± 136	67 ± 112
CD28 + CD207	44 ± 58	21 ± 36	21 ± 36	21 ± 36	21 ± 36
CD28 + CD24	3 ± 4	2 ± 4	2 ± 4	5 ± 8	2 ± 4
CD28 + CD29	541 ± 1305	35 ± 71	34 ± 72	77 ± 121	35 ± 71
CD28 + CD3	636 ± 1387	66 ± 130	66 ± 130	176 ± 288	74 ± 128
CD28 + CD31	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD4	579 ± 1350	41 ± 80	41 ± 79	102 ± 161	45 ± 78
CD28 + CD44	708 ± 1587	67 ± 119	67 ± 119	149 ± 217	69 ± 117
CD28 + CD45	738 ± 1727	43 ± 73	43 ± 73	153 ± 286	44 ± 73
CD28 + CD45RA	37 ± 84	5 ± 11	5 ± 11	9 ± 15	6 ± 11
CD28 + CD45RO	556 ± 1286	38 ± 87	37 ± 87	78 ± 126	36 ± 88
CD28 + CD52	86 ± 182	8 ± 14	7 ± 14	53 ± 119	8 ± 14
CD28 + CD54	506 ± 1231	34 ± 89	34 ± 89	61 ± 104	35 ± 89
CD28 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD28 + CD58	167 ± 258	37 ± 74	37 ± 74	91 ± 147	37 ± 74
CD28 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD62P	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD28 + CD68	75 ± 107	39 ± 58	36 ± 59	58 ± 71	38 ± 58
CD28 + CD7	514 ± 1148	41 ± 90	41 ± 90	131 ± 239	43 ± 89
CD28 + CD8a	61 ± 109	13 ± 23	12 ± 23	22 ± 32	15 ± 23
CD28 + CK14	800 ± 1801	78 ± 118	73 ± 121	121 ± 148	85 ± 118
CD28 + CLA	113 ± 198	27 ± 44	28 ± 44	40 ± 47	30 ± 43
CD28 + c-myc	120 ± 232	14 ± 20	14 ± 20	49 ± 90	22 ± 24
CD28 + Collagen IV	68 ± 140	7 ± 9	6 ± 10	19 ± 33	15 ± 24
CD28 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD28 + HLA-DR	562 ± 1202	58 ± 100	59 ± 100	93 ± 113	59 ± 100
CD28 + IL-22R	45 ± 77	20 ± 26	15 ± 26	18 ± 25	16 ± 26
CD28 + IL-23R	13 ± 30	2 ± 3	2 ± 3	9 ± 19	2 ± 2
CD28 + Ki67	11 ± 20	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD28 + PI	547 ± 1301	39 ± 52	33 ± 55	52 ± 60	35 ± 54
CD28 + Podoplanin	19 ± 42	3 ± 7	3 ± 7	48 ± 116	3 ± 7
CD28 + SNA1	414 ± 959	20 ± 38	19 ± 38	43 ± 67	25 ± 40
CD28 + STAT3	81 ± 193	2 ± 2	2 ± 2	2 ± 2	2 ± 2
CD28 + TIA1	5 ± 8	1 ± 3	1 ± 3	5 ± 10	2 ± 3
CD28 + Vimentin	434 ± 924	62 ± 122	61 ± 122	84 ± 124	65 ± 121

Tabelle 245: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	12 ± 12	7 ± 12	81 ± 193	7 ± 12	7 ± 12
CD29 + BCL2	2241 ± 1724	1612 ± 1447	1134 ± 1303	1197 ± 1256	1179 ± 1266
CD29 + CCR6	97 ± 155	69 ± 101	67 ± 91	111 ± 151	58 ± 72
CD29 + CD11a	837 ± 1474	158 ± 327	161 ± 325	231 ± 335	179 ± 318
CD29 + CD11b	189 ± 246	109 ± 232	109 ± 232	149 ± 233	109 ± 231
CD29 + CD120a	99 ± 71	113 ± 94	80 ± 78	99 ± 70	188 ± 258
CD29 + CD120b	41 ± 69	17 ± 28	14 ± 28	69 ± 131	15 ± 28
CD29 + CD138	12343 ± 12458	6552 ± 5228	5214 ± 4648	6315 ± 4439	5204 ± 4705
CD29 + CD15	24 ± 23	38 ± 54	15 ± 15	68 ± 83	16 ± 15
CD29 + CD1a	226 ± 204	469 ± 517	179 ± 207	282 ± 260	220 ± 190
CD29 + CD2	834 ± 1584	177 ± 331	188 ± 326	316 ± 409	199 ± 320
CD29 + CD207	338 ± 368	470 ± 429	287 ± 363	422 ± 394	300 ± 357
CD29 + CD24	85 ± 190	75 ± 193	77 ± 192	95 ± 188	75 ± 193
CD29 + CD28	541 ± 1305	35 ± 71	34 ± 72	77 ± 121	35 ± 71
CD29 + CD3	658 ± 1170	169 ± 395	173 ± 393	510 ± 882	184 ± 389
CD29 + CD31	63 ± 94	16 ± 21	15 ± 22	18 ± 21	17 ± 21
CD29 + CD4	639 ± 1401	85 ± 195	85 ± 195	183 ± 287	86 ± 194
CD29 + CD44	10163 ± 9896	5179 ± 4811	5071 ± 4792	6968 ± 6310	4680 ± 4528
CD29 + CD45	820 ± 1826	69 ± 116	70 ± 115	465 ± 1033	68 ± 116
CD29 + CD45RA	197 ± 306	79 ± 161	82 ± 159	116 ± 167	84 ± 158
CD29 + CD45RO	562 ± 1250	59 ± 145	62 ± 144	151 ± 262	57 ± 146
CD29 + CD52	55 ± 111	11 ± 18	10 ± 19	438 ± 1126	12 ± 18
CD29 + CD54	1886 ± 3744	441 ± 1150	441 ± 1150	717 ± 1254	441 ± 1150
CD29 + CD56	33 ± 33	11 ± 10	120 ± 283	37 ± 64	16 ± 13
CD29 + CD58	3986 ± 3605	3837 ± 3338	2623 ± 3555	3760 ± 3897	2767 ± 3445
CD29 + CD62E	7 ± 16	7 ± 16	7 ± 16	7 ± 16	7 ± 16
CD29 + CD62P	13 ± 31	13 ± 31	13 ± 31	13 ± 31	13 ± 31
CD29 + CD68	1494 ± 1440	1521 ± 1383	1390 ± 1460	1372 ± 1479	1552 ± 1384
CD29 + CD7	658 ± 1214	99 ± 247	116 ± 243	377 ± 716	102 ± 246
CD29 + CD8a	292 ± 314	107 ± 205	115 ± 202	162 ± 219	131 ± 195
CD29 + CK14	21133 ± 16514	12747 ± 9947	11884 ± 10154	15050 ± 10888	12485 ± 9664
CD29 + CLA	383 ± 415	198 ± 261	200 ± 260	248 ± 249	237 ± 243
CD29 + c-myc	6701 ± 4545	3960 ± 3648	3795 ± 3645	4889 ± 3777	3975 ± 3477
CD29 + Collagen IV	2580 ± 2559	1613 ± 2352	1610 ± 2345	2211 ± 2721	1577 ± 2376
CD29 + FXIIIA	23 ± 42	19 ± 44	33 ± 52	23 ± 43	19 ± 44
CD29 + HLA-DR	4994 ± 4753	2687 ± 3024	2263 ± 2911	3317 ± 3040	2367 ± 2871
CD29 + IL-22R	2566 ± 2922	3281 ± 2664	2365 ± 3085	2556 ± 2932	2941 ± 2709
CD29 + IL-23R	1099 ± 1285	1841 ± 3034	644 ± 1061	980 ± 982	745 ± 1024
CD29 + Ki67	825 ± 793	605 ± 655	389 ± 638	406 ± 628	498 ± 595
CD29 + PI	7223 ± 7301	4415 ± 4155	3743 ± 4100	4430 ± 3987	3955 ± 4016
CD29 + Podoplanin	1636 ± 2670	801 ± 2066	866 ± 2043	3105 ± 6082	807 ± 2063
CD29 + SNA1	6068 ± 7392	1995 ± 2160	1686 ± 1963	2471 ± 2703	1590 ± 1988
CD29 + STAT3	2524 ± 3044	4149 ± 4976	1982 ± 2982	2048 ± 2939	1901 ± 2995
CD29 + TIA1	38 ± 40	23 ± 34	24 ± 33	46 ± 68	22 ± 33
CD29 + Vimentin	3535 ± 3261	2081 ± 2089	2063 ± 2079	2442 ± 2081	1975 ± 2089

Tabelle 246: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + BCL2	120 ± 174	34 ± 38	33 ± 38	76 ± 74	40 ± 34
CD3 + CCR6	80 ± 148	22 ± 51	23 ± 50	83 ± 124	26 ± 49
CD3 + CD11a	889 ± 1452	246 ± 455	251 ± 452	492 ± 673	272 ± 441
CD3 + CD11b	71 ± 104	37 ± 96	37 ± 96	58 ± 102	37 ± 96
CD3 + CD120a	21 ± 29	18 ± 30	19 ± 30	27 ± 30	18 ± 30
CD3 + CD120b	50 ± 76	19 ± 49	19 ± 49	96 ± 203	23 ± 48
CD3 + CD138	632 ± 1185	135 ± 302	142 ± 299	335 ± 480	148 ± 296
CD3 + CD15	2 ± 5	0 ± 0	0 ± 0	18 ± 41	0 ± 0
CD3 + CD1a	67 ± 87	47 ± 85	47 ± 84	65 ± 85	50 ± 83
CD3 + CD2	883 ± 1455	269 ± 480	277 ± 476	582 ± 803	304 ± 462
CD3 + CD207	57 ± 74	45 ± 75	47 ± 74	72 ± 82	47 ± 74
CD3 + CD24	9 ± 20	8 ± 21	8 ± 21	18 ± 31	8 ± 21
CD3 + CD28	636 ± 1387	66 ± 130	66 ± 130	176 ± 288	74 ± 128
CD3 + CD29	658 ± 1170	169 ± 395	173 ± 393	510 ± 882	184 ± 389
CD3 + CD31	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD4	587 ± 1184	97 ± 184	99 ± 183	360 ± 651	104 ± 180
CD3 + CD44	925 ± 1489	290 ± 579	299 ± 574	965 ± 1646	308 ± 569
CD3 + CD45	800 ± 1572	121 ± 206	128 ± 203	527 ± 1037	129 ± 202
CD3 + CD45RA	95 ± 137	66 ± 136	66 ± 135	105 ± 151	72 ± 133
CD3 + CD45RO	571 ± 1145	88 ± 220	94 ± 218	263 ± 460	90 ± 219
CD3 + CD52	107 ± 201	19 ± 38	18 ± 38	253 ± 600	21 ± 37
CD3 + CD54	487 ± 952	127 ± 336	128 ± 336	257 ± 438	129 ± 336
CD3 + CD56	1 ± 2	1 ± 1	0 ± 1	1 ± 3	1 ± 2
CD3 + CD58	304 ± 385	161 ± 369	164 ± 368	481 ± 843	171 ± 365
CD3 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD68	168 ± 232	137 ± 238	141 ± 236	172 ± 223	163 ± 227
CD3 + CD7	676 ± 1141	178 ± 404	190 ± 399	648 ± 1205	188 ± 399
CD3 + CD8a	260 ± 316	141 ± 285	141 ± 285	285 ± 397	169 ± 275
CD3 + CK14	1062 ± 1588	378 ± 734	389 ± 729	979 ± 1487	442 ± 705
CD3 + CLA	285 ± 321	152 ± 245	160 ± 240	244 ± 269	179 ± 230
CD3 + c-myc	164 ± 235	43 ± 69	43 ± 69	344 ± 743	67 ± 64
CD3 + Collagen IV	81 ± 114	29 ± 52	27 ± 53	169 ± 328	43 ± 56
CD3 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	7 ± 13	1 ± 3
CD3 + HLA-DR	685 ± 1004	239 ± 491	249 ± 486	486 ± 613	255 ± 483
CD3 + IL-22R	67 ± 83	49 ± 84	49 ± 84	67 ± 79	61 ± 79
CD3 + IL-23R	16 ± 21	8 ± 14	8 ± 14	34 ± 42	11 ± 14
CD3 + Ki67	32 ± 49	20 ± 48	20 ± 48	20 ± 48	21 ± 48
CD3 + PI	773 ± 1325	211 ± 393	218 ± 390	418 ± 510	246 ± 377
CD3 + Podoplanin	69 ± 119	30 ± 79	30 ± 79	414 ± 1003	30 ± 79
CD3 + SNA1	440 ± 828	62 ± 135	65 ± 135	312 ± 603	73 ± 132
CD3 + STAT3	63 ± 127	7 ± 12	7 ± 12	34 ± 42	14 ± 18
CD3 + TIA1	45 ± 55	28 ± 56	31 ± 55	62 ± 93	36 ± 55
CD3 + Vimentin	732 ± 1119	274 ± 590	285 ± 585	489 ± 669	297 ± 579

Tabelle 247: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	4 ± 6	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD31 + BCL2	4 ± 6	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD31 + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD11a	2 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD31 + CD11b	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD31 + CD120a	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD138	5 ± 10	2 ± 3	0 ± 1	0 ± 1	0 ± 1
CD31 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CD207	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD28	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD29	63 ± 94	16 ± 21	15 ± 22	18 ± 21	17 ± 21
CD31 + CD3	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD4	18 ± 37	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD31 + CD44	21 ± 33	4 ± 6	3 ± 6	3 ± 6	3 ± 6
CD31 + CD45	2 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD45RA	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD31 + CD45RO	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD54	52 ± 90	8 ± 12	8 ± 12	12 ± 13	9 ± 12
CD31 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD58	17 ± 18	7 ± 12	7 ± 12	7 ± 12	7 ± 12
CD31 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD31 + CD68	13 ± 15	12 ± 16	12 ± 16	12 ± 16	13 ± 15
CD31 + CD7	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CK14	36 ± 51	11 ± 13	10 ± 14	11 ± 13	13 ± 14
CD31 + CLA	1 ± 2	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD31 + c-myc	44 ± 77	9 ± 18	9 ± 18	10 ± 17	11 ± 18
CD31 + Collagen IV	58 ± 85	15 ± 21	15 ± 21	24 ± 26	19 ± 20
CD31 + FXIIIA	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD31 + HLA-DR	38 ± 61	7 ± 9	7 ± 9	7 ± 9	7 ± 9
CD31 + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	2 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD31 + Ki67	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD31 + PI	23 ± 33	8 ± 10	8 ± 10	8 ± 10	8 ± 10
CD31 + Podoplanin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + SNA1	65 ± 99	16 ± 20	16 ± 21	23 ± 23	18 ± 20
CD31 + STAT3	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD31 + TIA1	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + Vimentin	35 ± 47	8 ± 17	8 ± 18	10 ± 17	10 ± 18

Tabelle 248: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	1 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD4 + BCL2	81 ± 150	15 ± 21	14 ± 22	41 ± 57	14 ± 22
CD4 + CCR6	49 ± 100	9 ± 22	10 ± 22	39 ± 66	11 ± 22
CD4 + CD11a	717 ± 1499	99 ± 183	101 ± 182	382 ± 716	103 ± 180
CD4 + CD11b	95 ± 132	38 ± 91	38 ± 91	49 ± 91	39 ± 91
CD4 + CD120a	21 ± 23	14 ± 25	15 ± 25	33 ± 45	16 ± 24
CD4 + CD120b	37 ± 56	11 ± 29	11 ± 29	47 ± 94	13 ± 29
CD4 + CD138	477 ± 1141	32 ± 57	32 ± 56	70 ± 90	32 ± 56
CD4 + CD15	3 ± 7	0 ± 1	0 ± 1	9 ± 19	0 ± 1
CD4 + CD1a	53 ± 66	26 ± 44	26 ± 44	73 ± 117	30 ± 42
CD4 + CD2	616 ± 1340	84 ± 145	85 ± 144	222 ± 342	91 ± 141
CD4 + CD207	60 ± 76	32 ± 56	33 ± 55	74 ± 101	35 ± 54
CD4 + CD24	6 ± 15	6 ± 15	6 ± 15	12 ± 20	6 ± 15
CD4 + CD28	579 ± 1350	41 ± 80	41 ± 79	102 ± 161	45 ± 78
CD4 + CD29	639 ± 1401	85 ± 195	85 ± 195	183 ± 287	86 ± 194
CD4 + CD3	587 ± 1184	97 ± 184	99 ± 183	360 ± 651	104 ± 180
CD4 + CD31	18 ± 37	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD4 + CD44	727 ± 1442	127 ± 220	131 ± 217	476 ± 868	134 ± 215
CD4 + CD45	729 ± 1645	62 ± 105	64 ± 103	314 ± 643	67 ± 102
CD4 + CD45RA	64 ± 124	15 ± 39	16 ± 39	102 ± 226	16 ± 38
CD4 + CD45RO	524 ± 1183	49 ± 119	51 ± 119	161 ± 294	49 ± 119
CD4 + CD52	82 ± 164	9 ± 20	9 ± 20	79 ± 181	11 ± 20
CD4 + CD54	604 ± 1345	81 ± 213	81 ± 213	292 ± 564	82 ± 213
CD4 + CD56	7 ± 12	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD4 + CD58	139 ± 166	62 ± 133	64 ± 132	157 ± 256	65 ± 132
CD4 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD4 + CD68	120 ± 155	82 ± 147	83 ± 146	127 ± 155	85 ± 145
CD4 + CD7	487 ± 1060	60 ± 130	62 ± 129	238 ± 461	63 ± 129
CD4 + CD8a	39 ± 58	13 ± 26	13 ± 26	26 ± 40	14 ± 25
CD4 + CK14	805 ± 1574	157 ± 267	160 ± 265	397 ± 597	167 ± 261
CD4 + CLA	128 ± 175	48 ± 76	49 ± 75	100 ± 130	53 ± 73
CD4 + c-myc	308 ± 508	80 ± 168	84 ± 166	346 ± 684	88 ± 164
CD4 + Collagen IV	177 ± 281	55 ± 124	57 ± 123	143 ± 237	62 ± 121
CD4 + FXIIIA	6 ± 14	5 ± 14	5 ± 14	9 ± 15	5 ± 14
CD4 + HLA-DR	566 ± 1034	118 ± 209	122 ± 206	333 ± 521	124 ± 205
CD4 + IL-22R	36 ± 42	22 ± 36	22 ± 36	26 ± 34	25 ± 35
CD4 + IL-23R	9 ± 12	5 ± 9	4 ± 9	35 ± 72	6 ± 9
CD4 + Ki67	8 ± 14	5 ± 13	5 ± 12	5 ± 12	5 ± 13
CD4 + PI	540 ± 1179	69 ± 119	70 ± 119	203 ± 325	74 ± 117
CD4 + Podoplanin	40 ± 70	15 ± 39	15 ± 39	132 ± 304	15 ± 39
CD4 + SNA1	530 ± 1097	64 ± 133	66 ± 132	226 ± 418	72 ± 129
CD4 + STAT3	32 ± 68	4 ± 4	3 ± 3	7 ± 7	3 ± 3
CD4 + TIA1	12 ± 21	2 ± 5	2 ± 5	9 ± 19	2 ± 4
CD4 + Vimentin	475 ± 869	116 ± 245	120 ± 243	297 ± 464	124 ± 241

Tabelle 249: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	2 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD44 + BCL2	1731 ± 2144	1533 ± 2188	1220 ± 2262	1291 ± 2225	1242 ± 2250
CD44 + CCR6	126 ± 193	59 ± 58	68 ± 64	214 ± 281	125 ± 155
CD44 + CD11a	1281 ± 1970	317 ± 588	329 ± 582	708 ± 1026	334 ± 579
CD44 + CD11b	387 ± 581	240 ± 596	241 ± 595	321 ± 590	242 ± 595
CD44 + CD120a	239 ± 96	186 ± 125	205 ± 112	275 ± 119	359 ± 374
CD44 + CD120b	64 ± 91	26 ± 56	25 ± 56	95 ± 173	27 ± 55
CD44 + CD138	19362 ± 16598	10036 ± 10090	12460 ± 10788	14212 ± 10602	9981 ± 9825
CD44 + CD15	33 ± 39	36 ± 39	30 ± 41	108 ± 120	32 ± 39
CD44 + CD1a	773 ± 489	599 ± 410	582 ± 253	658 ± 378	720 ± 466
CD44 + CD2	1054 ± 1713	318 ± 556	342 ± 544	662 ± 871	345 ± 542
CD44 + CD207	745 ± 338	613 ± 276	789 ± 365	914 ± 575	684 ± 269
CD44 + CD24	136 ± 324	126 ± 327	130 ± 326	166 ± 321	127 ± 327
CD44 + CD28	708 ± 1587	67 ± 119	67 ± 119	149 ± 217	69 ± 117
CD44 + CD29	10163 ± 9896	5179 ± 4811	5071 ± 4792	6968 ± 6310	4680 ± 4528
CD44 + CD3	925 ± 1489	290 ± 579	299 ± 574	965 ± 1646	308 ± 569
CD44 + CD31	21 ± 33	4 ± 6	3 ± 6	3 ± 6	3 ± 6
CD44 + CD4	727 ± 1442	127 ± 220	131 ± 217	476 ± 868	134 ± 215
CD44 + CD45	1397 ± 2824	161 ± 252	182 ± 242	741 ± 1481	174 ± 246
CD44 + CD45RA	245 ± 382	100 ± 246	104 ± 244	233 ± 379	101 ± 245
CD44 + CD45RO	857 ± 1775	110 ± 276	117 ± 274	350 ± 623	112 ± 275
CD44 + CD52	110 ± 201	17 ± 39	17 ± 38	614 ± 1566	22 ± 38
CD44 + CD54	2484 ± 4877	609 ± 1594	609 ± 1594	1216 ± 2063	610 ± 1594
CD44 + CD56	22 ± 27	11 ± 25	15 ± 25	23 ± 33	12 ± 25
CD44 + CD58	8107 ± 7682	5641 ± 6407	5257 ± 6501	6293 ± 6930	5212 ± 6397
CD44 + CD62E	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD44 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD44 + CD68	845 ± 739	763 ± 719	771 ± 708	873 ± 678	812 ± 688
CD44 + CD7	849 ± 1396	204 ± 465	238 ± 457	698 ± 1256	207 ± 464
CD44 + CD8a	450 ± 529	195 ± 438	204 ± 434	315 ± 483	216 ± 429
CD44 + CK14	27303 ± 22437	15405 ± 17158	19795 ± 18812	24336 ± 20635	16743 ± 16343
CD44 + CLA	717 ± 710	381 ± 556	461 ± 538	528 ± 528	479 ± 528
CD44 + c-myc	5312 ± 3144	3447 ± 2874	3903 ± 2645	4329 ± 2618	4245 ± 2537
CD44 + Collagen IV	1145 ± 1174	617 ± 889	745 ± 926	996 ± 1184	605 ± 885
CD44 + FXIIIA	9 ± 13	6 ± 13	14 ± 15	20 ± 35	8 ± 13
CD44 + HLA-DR	9665 ± 9718	5020 ± 7485	5426 ± 7354	8473 ± 8745	5225 ± 7326
CD44 + IL-22R	4807 ± 3627	4914 ± 3609	4241 ± 4165	4751 ± 3764	5659 ± 3222
CD44 + IL-23R	1164 ± 1098	1841 ± 2959	667 ± 855	1246 ± 1242	901 ± 886
CD44 + Ki67	1016 ± 946	650 ± 797	535 ± 841	614 ± 817	611 ± 800
CD44 + PI	6717 ± 5991	4015 ± 2793	4899 ± 3799	5706 ± 3809	3866 ± 2607
CD44 + Podoplanin	2004 ± 3302	986 ± 2540	984 ± 2541	4182 ± 8415	984 ± 2541
CD44 + SNA1	4449 ± 6065	1156 ± 1577	1163 ± 1506	1812 ± 2427	868 ± 1439
CD44 + STAT3	3644 ± 3146	3657 ± 3470	2237 ± 1586	2974 ± 1582	2424 ± 1672
CD44 + TIA1	55 ± 69	27 ± 58	31 ± 59	79 ± 142	34 ± 57
CD44 + Vimentin	3597 ± 3802	2039 ± 2830	2619 ± 2998	3091 ± 2954	2157 ± 2762

Tabelle 250: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + BCL2	136 ± 266	22 ± 32	20 ± 33	39 ± 47	20 ± 33
CD45 + CCR6	80 ± 172	12 ± 30	14 ± 30	43 ± 76	18 ± 31
CD45 + CD11a	1128 ± 2175	138 ± 237	146 ± 233	418 ± 718	147 ± 232
CD45 + CD11b	154 ± 209	36 ± 92	36 ± 92	64 ± 108	36 ± 92
CD45 + CD120a	85 ± 87	38 ± 46	43 ± 42	70 ± 85	61 ± 68
CD45 + CD120b	40 ± 61	10 ± 25	10 ± 25	79 ± 181	11 ± 25
CD45 + CD138	1011 ± 2266	67 ± 93	79 ± 87	243 ± 446	96 ± 107
CD45 + CD15	8 ± 14	4 ± 5	2 ± 5	28 ± 65	2 ± 5
CD45 + CD1a	231 ± 369	61 ± 62	69 ± 58	104 ± 120	91 ± 93
CD45 + CD2	1020 ± 2123	122 ± 195	132 ± 190	303 ± 466	139 ± 188
CD45 + CD207	217 ± 345	64 ± 88	75 ± 84	107 ± 133	87 ± 101
CD45 + CD24	6 ± 10	4 ± 10	4 ± 10	24 ± 53	4 ± 10
CD45 + CD28	738 ± 1727	43 ± 73	43 ± 73	153 ± 286	44 ± 73
CD45 + CD29	820 ± 1826	69 ± 116	70 ± 115	465 ± 1033	68 ± 116
CD45 + CD3	800 ± 1572	121 ± 206	128 ± 203	527 ± 1037	129 ± 202
CD45 + CD31	2 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45 + CD4	729 ± 1645	62 ± 105	64 ± 103	314 ± 643	67 ± 102
CD45 + CD44	1397 ± 2824	161 ± 252	182 ± 242	741 ± 1481	174 ± 246
CD45 + CD45RA	112 ± 215	21 ± 50	21 ± 49	95 ± 191	22 ± 49
CD45 + CD45RO	1055 ± 2385	66 ± 162	73 ± 160	229 ± 432	68 ± 161
CD45 + CD52	115 ± 234	13 ± 28	12 ± 28	260 ± 652	16 ± 29
CD45 + CD54	942 ± 2270	68 ± 179	68 ± 179	285 ± 573	68 ± 179
CD45 + CD56	4 ± 7	1 ± 2	1 ± 2	1 ± 3	1 ± 2
CD45 + CD58	350 ± 434	92 ± 136	105 ± 134	470 ± 984	107 ± 134
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	221 ± 335	90 ± 116	98 ± 112	131 ± 137	102 ± 112
CD45 + CD7	690 ± 1398	63 ± 121	79 ± 120	373 ± 804	65 ± 120
CD45 + CD8a	269 ± 387	49 ± 94	51 ± 93	161 ± 295	55 ± 92
CD45 + CK14	1385 ± 2800	153 ± 207	180 ± 200	694 ± 1390	173 ± 202
CD45 + CLA	323 ± 522	77 ± 104	94 ± 100	138 ± 158	108 ± 110
CD45 + c-myc	310 ± 525	32 ± 46	39 ± 42	355 ± 837	36 ± 43
CD45 + Collagen IV	136 ± 251	12 ± 24	13 ± 24	147 ± 353	14 ± 24
CD45 + FXIIIA	4 ± 6	2 ± 7	2 ± 7	8 ± 15	2 ± 7
CD45 + HLA-DR	1246 ± 2440	149 ± 233	175 ± 221	400 ± 631	179 ± 227
CD45 + IL-22R	115 ± 136	50 ± 68	50 ± 68	69 ± 72	72 ± 74
CD45 + IL-23R	66 ± 114	19 ± 13	15 ± 15	59 ± 108	33 ± 44
CD45 + Ki67	27 ± 46	7 ± 12	7 ± 12	6 ± 12	6 ± 12
CD45 + PI	938 ± 2069	70 ± 84	77 ± 80	246 ± 443	85 ± 85
CD45 + Podoplanin	44 ± 95	6 ± 16	6 ± 16	397 ± 1032	6 ± 16
CD45 + SNA1	899 ± 1873	51 ± 97	59 ± 95	243 ± 509	53 ± 97
CD45 + STAT3	210 ± 446	17 ± 18	14 ± 17	20 ± 19	31 ± 47
CD45 + TIA1	35 ± 47	7 ± 15	10 ± 15	42 ± 92	9 ± 15
CD45 + Vimentin	994 ± 2023	130 ± 203	154 ± 196	280 ± 400	161 ± 204

Tabelle 251: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD45RA + BCL2	42 ± 51	21 ± 26	21 ± 26	24 ± 24	22 ± 25
CD45RA + CCR6	10 ± 16	4 ± 8	5 ± 7	9 ± 11	4 ± 7
CD45RA + CD11a	195 ± 267	94 ± 203	95 ± 203	214 ± 338	101 ± 200
CD45RA + CD11b	53 ± 91	37 ± 94	37 ± 94	43 ± 93	37 ± 94
CD45RA + CD120a	5 ± 7	3 ± 6	3 ± 6	6 ± 9	3 ± 6
CD45RA + CD120b	10 ± 18	4 ± 10	4 ± 10	6 ± 10	5 ± 9
CD45RA + CD138	124 ± 200	54 ± 125	54 ± 124	70 ± 123	54 ± 125
CD45RA + CD15	1 ± 1	1 ± 1	1 ± 1	4 ± 7	1 ± 1
CD45RA + CD1a	14 ± 23	7 ± 19	7 ± 19	8 ± 19	7 ± 19
CD45RA + CD2	104 ± 131	57 ± 97	58 ± 96	89 ± 109	62 ± 94
CD45RA + CD207	16 ± 31	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD45RA + CD24	8 ± 13	5 ± 12	6 ± 12	6 ± 12	5 ± 12
CD45RA + CD28	37 ± 84	5 ± 11	5 ± 11	9 ± 15	6 ± 11
CD45RA + CD29	197 ± 306	79 ± 161	82 ± 159	116 ± 167	84 ± 158
CD45RA + CD3	95 ± 137	66 ± 136	66 ± 135	105 ± 151	72 ± 133
CD45RA + CD31	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD45RA + CD4	64 ± 124	15 ± 39	16 ± 39	102 ± 226	16 ± 38
CD45RA + CD44	245 ± 382	100 ± 246	104 ± 244	233 ± 379	101 ± 245
CD45RA + CD45	112 ± 215	21 ± 50	21 ± 49	95 ± 191	22 ± 49
CD45RA + CD45RO	41 ± 82	8 ± 20	8 ± 20	11 ± 21	8 ± 20
CD45RA + CD52	7 ± 10	2 ± 4	3 ± 4	21 ± 49	3 ± 4
CD45RA + CD54	192 ± 331	74 ± 196	74 ± 196	150 ± 256	74 ± 196
CD45RA + CD56	12 ± 24	9 ± 25	10 ± 25	15 ± 26	9 ± 25
CD45RA + CD58	69 ± 147	59 ± 150	59 ± 150	88 ± 156	59 ± 150
CD45RA + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD62P	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD45RA + CD68	71 ± 122	60 ± 125	60 ± 125	85 ± 128	64 ± 123
CD45RA + CD7	123 ± 214	84 ± 207	86 ± 207	117 ± 206	85 ± 207
CD45RA + CD8a	83 ± 109	63 ± 114	63 ± 114	76 ± 111	66 ± 112
CD45RA + CK14	325 ± 440	187 ± 388	190 ± 387	282 ± 406	200 ± 382
CD45RA + CLA	147 ± 198	79 ± 153	79 ± 153	113 ± 159	86 ± 150
CD45RA + c-myc	110 ± 156	43 ± 103	44 ± 103	171 ± 330	49 ± 101
CD45RA + Collagen IV	60 ± 86	32 ± 74	33 ± 74	71 ± 114	36 ± 72
CD45RA + FXIIIA	5 ± 11	4 ± 11	5 ± 11	6 ± 12	5 ± 11
CD45RA + HLA-DR	245 ± 352	112 ± 261	115 ± 259	177 ± 275	114 ± 259
CD45RA + IL-22R	22 ± 48	19 ± 49	19 ± 49	20 ± 49	19 ± 49
CD45RA + IL-23R	2 ± 3	2 ± 3	2 ± 3	3 ± 5	2 ± 3
CD45RA + Ki67	15 ± 25	9 ± 23	9 ± 23	9 ± 23	10 ± 23
CD45RA + PI	206 ± 300	85 ± 166	86 ± 165	176 ± 248	95 ± 161
CD45RA + Podoplanin	24 ± 39	13 ± 33	13 ± 33	53 ± 107	13 ± 33
CD45RA + SNA1	152 ± 259	34 ± 69	37 ± 68	86 ± 137	37 ± 67
CD45RA + STAT3	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD45RA + TIA1	24 ± 26	17 ± 28	18 ± 28	22 ± 27	18 ± 28
CD45RA + Vimentin	205 ± 311	110 ± 268	111 ± 267	160 ± 273	111 ± 267

Tabelle 252: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	0 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD45RO + BCL2	92 ± 213	5 ± 9	4 ± 9	13 ± 20	4 ± 9
CD45RO + CCR6	66 ± 139	12 ± 30	13 ± 30	29 ± 44	12 ± 30
CD45RO + CD11a	760 ± 1546	87 ± 217	91 ± 215	176 ± 286	88 ± 216
CD45RO + CD11b	162 ± 247	53 ± 141	53 ± 141	220 ± 441	53 ± 141
CD45RO + CD120a	39 ± 57	20 ± 37	20 ± 37	37 ± 54	17 ± 38
CD45RO + CD120b	34 ± 47	15 ± 36	14 ± 36	41 ± 75	14 ± 36
CD45RO + CD138	662 ± 1478	52 ± 135	57 ± 134	119 ± 191	56 ± 134
CD45RO + CD15	39 ± 103	0 ± 0	0 ± 0	39 ± 100	0 ± 0
CD45RO + CD1a	102 ± 167	36 ± 92	37 ± 91	66 ± 108	36 ± 92
CD45RO + CD2	917 ± 1993	91 ± 225	95 ± 223	234 ± 394	91 ± 225
CD45RO + CD207	93 ± 192	15 ± 32	21 ± 32	47 ± 76	15 ± 32
CD45RO + CD24	39 ± 81	8 ± 22	8 ± 22	116 ± 283	8 ± 22
CD45RO + CD28	556 ± 1286	38 ± 87	37 ± 87	78 ± 126	36 ± 88
CD45RO + CD29	562 ± 1250	59 ± 145	62 ± 144	151 ± 262	57 ± 146
CD45RO + CD3	571 ± 1145	88 ± 220	94 ± 218	263 ± 460	90 ± 219
CD45RO + CD31	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD4	524 ± 1183	49 ± 119	51 ± 119	161 ± 294	49 ± 119
CD45RO + CD44	857 ± 1775	110 ± 276	117 ± 274	350 ± 623	112 ± 275
CD45RO + CD45	1055 ± 2385	66 ± 162	73 ± 160	229 ± 432	68 ± 161
CD45RO + CD45RA	41 ± 82	8 ± 20	8 ± 20	11 ± 21	8 ± 20
CD45RO + CD52	95 ± 198	10 ± 27	10 ± 27	63 ± 139	10 ± 27
CD45RO + CD54	741 ± 1702	84 ± 223	85 ± 223	145 ± 252	84 ± 223
CD45RO + CD56	2 ± 4	0 ± 1	1 ± 3	0 ± 1	0 ± 1
CD45RO + CD58	178 ± 226	57 ± 149	60 ± 148	124 ± 210	58 ± 149
CD45RO + CD62E	0 ± 0	0 ± 0	0 ± 0	33 ± 87	0 ± 0
CD45RO + CD62P	0 ± 0	0 ± 0	0 ± 0	12 ± 31	0 ± 0
CD45RO + CD68	206 ± 356	78 ± 188	80 ± 187	100 ± 186	76 ± 189
CD45RO + CD7	556 ± 1132	58 ± 146	61 ± 144	179 ± 326	58 ± 146
CD45RO + CD8a	145 ± 239	16 ± 42	16 ± 42	49 ± 88	16 ± 42
CD45RO + CK14	865 ± 1794	100 ± 237	110 ± 234	279 ± 477	101 ± 237
CD45RO + CLA	207 ± 443	21 ± 43	28 ± 43	66 ± 114	21 ± 43
CD45RO + c-myc	145 ± 271	12 ± 29	14 ± 29	78 ± 170	12 ± 29
CD45RO + Collagen IV	71 ± 131	9 ± 25	11 ± 25	35 ± 64	10 ± 25
CD45RO + FXIIIA	4 ± 7	3 ± 8	4 ± 8	5 ± 9	3 ± 8
CD45RO + HLA-DR	828 ± 1692	104 ± 264	113 ± 261	238 ± 382	104 ± 264
CD45RO + IL-22R	43 ± 69	16 ± 30	14 ± 30	18 ± 29	15 ± 30
CD45RO + IL-23R	44 ± 89	8 ± 20	8 ± 20	143 ± 348	8 ± 20
CD45RO + Ki67	26 ± 50	7 ± 17	7 ± 17	6 ± 17	7 ± 17
CD45RO + PI	759 ± 1724	59 ± 131	62 ± 130	140 ± 224	58 ± 132
CD45RO + Podoplanin	24 ± 40	12 ± 32	13 ± 32	72 ± 152	12 ± 32
CD45RO + SNA1	707 ± 1543	50 ± 131	57 ± 129	174 ± 326	50 ± 131
CD45RO + STAT3	157 ± 371	3 ± 7	4 ± 8	178 ± 459	5 ± 8
CD45RO + TIA1	21 ± 30	3 ± 8	3 ± 8	113 ± 290	3 ± 8
CD45RO + Vimentin	847 ± 1740	123 ± 316	135 ± 312	217 ± 355	124 ± 315

Tabelle 253: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + BCL2	19 ± 34	5 ± 4	4 ± 4	20 ± 38	4 ± 4
CD52 + CCR6	26 ± 54	5 ± 11	5 ± 11	35 ± 73	6 ± 11
CD52 + CD11a	116 ± 222	18 ± 36	17 ± 36	103 ± 223	22 ± 36
CD52 + CD11b	9 ± 16	3 ± 8	3 ± 8	27 ± 63	3 ± 8
CD52 + CD120a	2 ± 2	0 ± 1	0 ± 1	4 ± 10	2 ± 3
CD52 + CD120b	8 ± 11	2 ± 6	2 ± 6	32 ± 78	3 ± 6
CD52 + CD138	79 ± 156	13 ± 24	12 ± 24	345 ± 872	16 ± 24
CD52 + CD15	0 ± 0	0 ± 0	0 ± 0	25 ± 65	0 ± 0
CD52 + CD1a	6 ± 8	2 ± 3	1 ± 3	7 ± 14	5 ± 9
CD52 + CD2	114 ± 228	19 ± 38	18 ± 38	108 ± 230	25 ± 38
CD52 + CD207	4 ± 6	0 ± 1	0 ± 1	9 ± 19	2 ± 5
CD52 + CD24	2 ± 5	2 ± 5	2 ± 5	22 ± 53	2 ± 5
CD52 + CD28	86 ± 182	8 ± 14	7 ± 14	53 ± 119	8 ± 14
CD52 + CD29	55 ± 111	11 ± 18	10 ± 19	438 ± 1126	12 ± 18
CD52 + CD3	107 ± 201	19 ± 38	18 ± 38	253 ± 600	21 ± 37
CD52 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD4	82 ± 164	9 ± 20	9 ± 20	79 ± 181	11 ± 20
CD52 + CD44	110 ± 201	17 ± 39	17 ± 38	614 ± 1566	22 ± 38
CD52 + CD45	115 ± 234	13 ± 28	12 ± 28	260 ± 652	16 ± 29
CD52 + CD45RA	7 ± 10	2 ± 4	3 ± 4	21 ± 49	3 ± 4
CD52 + CD45RO	95 ± 198	10 ± 27	10 ± 27	63 ± 139	10 ± 27
CD52 + CD54	58 ± 133	6 ± 15	6 ± 15	116 ± 289	6 ± 15
CD52 + CD56	0 ± 0	0 ± 0	0 ± 0	3 ± 9	0 ± 0
CD52 + CD58	33 ± 43	10 ± 19	9 ± 20	751 ± 1961	13 ± 19
CD52 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD52 + CD68	14 ± 21	12 ± 21	11 ± 21	17 ± 21	13 ± 21
CD52 + CD7	72 ± 147	8 ± 16	8 ± 16	172 ± 428	9 ± 16
CD52 + CD8a	36 ± 49	12 ± 24	11 ± 24	77 ± 161	15 ± 24
CD52 + CK14	104 ± 175	22 ± 36	20 ± 37	851 ± 2180	25 ± 35
CD52 + CLA	26 ± 40	7 ± 15	8 ± 15	39 ± 78	11 ± 16
CD52 + c-myc	30 ± 44	4 ± 4	4 ± 4	315 ± 817	6 ± 5
CD52 + Collagen IV	14 ± 20	3 ± 4	3 ± 4	186 ± 472	3 ± 4
CD52 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD52 + HLA-DR	88 ± 154	14 ± 34	15 ± 33	203 ± 483	18 ± 33
CD52 + IL-22R	6 ± 8	3 ± 4	3 ± 4	36 ± 88	6 ± 6
CD52 + IL-23R	8 ± 14	1 ± 2	2 ± 2	26 ± 62	3 ± 3
CD52 + Ki67	2 ± 3	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD52 + PI	69 ± 152	9 ± 9	7 ± 10	141 ± 344	11 ± 12
CD52 + Podoplanin	4 ± 6	2 ± 4	2 ± 4	687 ± 1813	2 ± 4
CD52 + SNA1	78 ± 139	10 ± 20	10 ± 20	184 ± 444	10 ± 20
CD52 + STAT3	21 ± 40	3 ± 3	2 ± 2	17 ± 39	3 ± 4
CD52 + TIA1	9 ± 10	3 ± 5	3 ± 5	31 ± 75	3 ± 5
CD52 + Vimentin	83 ± 172	14 ± 29	13 ± 29	107 ± 235	19 ± 29

Tabelle 254: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	5 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD54 + BCL2	203 ± 511	9 ± 21	9 ± 21	40 ± 82	9 ± 21
CD54 + CCR6	52 ± 115	8 ± 21	8 ± 21	35 ± 70	8 ± 21
CD54 + CD11a	747 ± 1548	145 ± 383	145 ± 383	385 ± 685	145 ± 383
CD54 + CD11b	257 ± 446	161 ± 424	161 ± 424	171 ± 421	161 ± 424
CD54 + CD120a	73 ± 128	47 ± 124	47 ± 124	82 ± 142	47 ± 124
CD54 + CD120b	35 ± 57	14 ± 37	14 ± 37	21 ± 39	14 ± 36
CD54 + CD138	1815 ± 3630	430 ± 1130	430 ± 1130	582 ± 1134	430 ± 1130
CD54 + CD15	15 ± 40	0 ± 0	0 ± 0	5 ± 14	0 ± 0
CD54 + CD1a	196 ± 340	114 ± 303	114 ± 303	164 ± 309	114 ± 303
CD54 + CD2	630 ± 1356	110 ± 291	110 ± 291	182 ± 321	111 ± 291
CD54 + CD207	160 ± 312	42 ± 112	42 ± 112	80 ± 137	42 ± 112
CD54 + CD24	67 ± 139	53 ± 141	53 ± 141	60 ± 139	53 ± 141
CD54 + CD28	506 ± 1231	34 ± 89	34 ± 89	61 ± 104	35 ± 89
CD54 + CD29	1886 ± 3744	441 ± 1150	441 ± 1150	717 ± 1254	441 ± 1150
CD54 + CD3	487 ± 952	127 ± 336	128 ± 336	257 ± 438	129 ± 336
CD54 + CD31	52 ± 90	8 ± 12	8 ± 12	12 ± 13	9 ± 12
CD54 + CD4	604 ± 1345	81 ± 213	81 ± 213	292 ± 564	82 ± 213
CD54 + CD44	2484 ± 4877	609 ± 1594	609 ± 1594	1216 ± 2063	610 ± 1594
CD54 + CD45	942 ± 2270	68 ± 179	68 ± 179	285 ± 573	68 ± 179
CD54 + CD45RA	192 ± 331	74 ± 196	74 ± 196	150 ± 256	74 ± 196
CD54 + CD45RO	741 ± 1702	84 ± 223	85 ± 223	145 ± 252	84 ± 223
CD54 + CD52	58 ± 133	6 ± 15	6 ± 15	116 ± 289	6 ± 15
CD54 + CD56	12 ± 20	6 ± 16	6 ± 16	11 ± 19	6 ± 16
CD54 + CD58	422 ± 774	298 ± 776	298 ± 776	608 ± 1031	298 ± 776
CD54 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD54 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD54 + CD68	355 ± 605	202 ± 524	202 ± 524	241 ± 516	202 ± 524
CD54 + CD7	610 ± 1269	125 ± 330	125 ± 330	215 ± 373	125 ± 330
CD54 + CD8a	116 ± 204	45 ± 119	45 ± 119	70 ± 126	45 ± 119
CD54 + CK14	3552 ± 7151	810 ± 2112	810 ± 2112	1558 ± 2637	812 ± 2111
CD54 + CLA	220 ± 444	50 ± 133	50 ± 133	79 ± 142	51 ± 133
CD54 + c-myc	588 ± 1167	119 ± 299	119 ± 299	552 ± 1128	120 ± 298
CD54 + Collagen IV	367 ± 640	103 ± 245	103 ± 245	270 ± 464	104 ± 244
CD54 + FXIIIA	12 ± 28	11 ± 28	11 ± 28	17 ± 29	11 ± 28
CD54 + HLA-DR	1933 ± 3708	495 ± 1290	496 ± 1290	821 ± 1423	496 ± 1289
CD54 + IL-22R	156 ± 275	96 ± 253	96 ± 253	104 ± 250	96 ± 253
CD54 + IL-23R	87 ± 161	27 ± 69	27 ± 69	142 ± 300	27 ± 69
CD54 + Ki67	111 ± 190	60 ± 158	60 ± 158	62 ± 158	60 ± 158
CD54 + PI	1313 ± 2924	182 ± 468	183 ± 468	342 ± 574	183 ± 468
CD54 + Podoplanin	767 ± 1583	163 ± 430	163 ± 430	670 ± 1339	163 ± 430
CD54 + SNA1	1127 ± 2447	149 ± 369	150 ± 368	356 ± 600	151 ± 368
CD54 + STAT3	233 ± 534	13 ± 34	13 ± 34	22 ± 37	13 ± 34
CD54 + TIA1	19 ± 26	7 ± 19	7 ± 19	20 ± 35	7 ± 19
CD54 + Vimentin	1135 ± 2008	402 ± 1054	402 ± 1054	675 ± 1173	403 ± 1053

Tabelle 255: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	2 ± 4	0 ± 1	68 ± 178	0 ± 1	0 ± 1
CD56 + BCL2	9 ± 18	1 ± 1	2 ± 3	2 ± 4	1 ± 2
CD56 + CCR6	2 ± 2	1 ± 2	28 ± 71	2 ± 2	1 ± 2
CD56 + CD11a	11 ± 15	6 ± 14	5 ± 14	9 ± 16	6 ± 14
CD56 + CD11b	13 ± 26	10 ± 27	10 ± 27	10 ± 27	10 ± 27
CD56 + CD120a	1 ± 3	1 ± 2	1 ± 2	1 ± 3	1 ± 2
CD56 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD138	25 ± 24	14 ± 22	127 ± 285	18 ± 22	14 ± 22
CD56 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	14 ± 24	9 ± 24	9 ± 24	16 ± 26	9 ± 24
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD56 + CD29	33 ± 33	11 ± 10	120 ± 283	37 ± 64	16 ± 13
CD56 + CD3	1 ± 2	1 ± 1	0 ± 1	1 ± 3	1 ± 2
CD56 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD4	7 ± 12	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD56 + CD44	22 ± 27	11 ± 25	15 ± 25	23 ± 33	12 ± 25
CD56 + CD45	4 ± 7	1 ± 2	1 ± 2	1 ± 3	1 ± 2
CD56 + CD45RA	12 ± 24	9 ± 25	10 ± 25	15 ± 26	9 ± 25
CD56 + CD45RO	2 ± 4	0 ± 1	1 ± 3	0 ± 1	0 ± 1
CD56 + CD52	0 ± 0	0 ± 0	0 ± 0	3 ± 9	0 ± 0
CD56 + CD54	12 ± 20	6 ± 16	6 ± 16	11 ± 19	6 ± 16
CD56 + CD58	12 ± 18	7 ± 17	7 ± 17	20 ± 35	9 ± 17
CD56 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD56 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	7 ± 5	4 ± 5	7 ± 7	4 ± 4	10 ± 16
CD56 + CD7	17 ± 33	13 ± 33	13 ± 33	18 ± 33	12 ± 33
CD56 + CD8a	1 ± 1	1 ± 1	0 ± 1	0 ± 1	1 ± 1
CD56 + CK14	61 ± 52	34 ± 50	156 ± 296	60 ± 72	45 ± 52
CD56 + CLA	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD56 + c-myc	46 ± 50	17 ± 32	136 ± 300	89 ± 183	21 ± 32
CD56 + Collagen IV	28 ± 30	15 ± 29	24 ± 31	78 ± 160	22 ± 31
CD56 + FXIIIA	3 ± 4	0 ± 1	15 ± 38	0 ± 1	0 ± 1
CD56 + HLA-DR	22 ± 29	10 ± 24	22 ± 34	19 ± 28	11 ± 24
CD56 + IL-22R	7 ± 12	7 ± 12	8 ± 12	7 ± 12	7 ± 12
CD56 + IL-23R	5 ± 11	0 ± 0	3 ± 7	2 ± 5	0 ± 0
CD56 + Ki67	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD56 + PI	18 ± 19	7 ± 9	90 ± 216	17 ± 23	9 ± 9
CD56 + Podoplanin	3 ± 6	1 ± 1	47 ± 123	15 ± 37	2 ± 3
CD56 + SNA1	30 ± 35	7 ± 8	10 ± 8	60 ± 138	14 ± 18
CD56 + STAT3	11 ± 18	2 ± 4	121 ± 307	2 ± 4	2 ± 4
CD56 + TIA1	5 ± 11	4 ± 11	5 ± 11	7 ± 12	4 ± 11
CD56 + Vimentin	23 ± 24	12 ± 22	24 ± 32	37 ± 62	12 ± 22

Tabelle 256: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	4 ± 7	2 ± 6	2 ± 6	2 ± 6	2 ± 6
CD58 + BCL2	1247 ± 1548	2359 ± 3235	983 ± 1648	1029 ± 1619	1013 ± 1628
CD58 + CCR6	54 ± 39	138 ± 277	36 ± 28	99 ± 148	76 ± 111
CD58 + CD11a	350 ± 407	163 ± 365	171 ± 362	257 ± 396	172 ± 360
CD58 + CD11b	96 ± 214	85 ± 218	85 ± 218	94 ± 215	85 ± 218
CD58 + CD120a	203 ± 129	186 ± 150	146 ± 140	159 ± 136	224 ± 223
CD58 + CD120b	20 ± 22	18 ± 25	11 ± 22	60 ± 126	12 ± 22
CD58 + CD138	14249 ± 11673	9260 ± 6417	7993 ± 7198	8526 ± 7267	7955 ± 6919
CD58 + CD15	14 ± 18	26 ± 31	14 ± 18	23 ± 24	14 ± 18
CD58 + CD1a	1219 ± 1119	924 ± 656	540 ± 387	480 ± 404	821 ± 719
CD58 + CD2	322 ± 379	170 ± 367	178 ± 364	270 ± 400	196 ± 357
CD58 + CD207	720 ± 548	800 ± 781	533 ± 470	480 ± 479	574 ± 461
CD58 + CD24	18 ± 34	17 ± 35	17 ± 35	23 ± 35	17 ± 35
CD58 + CD28	167 ± 258	37 ± 74	37 ± 74	91 ± 147	37 ± 74
CD58 + CD29	3986 ± 3605	3837 ± 3338	2623 ± 3555	3760 ± 3897	2767 ± 3445
CD58 + CD3	304 ± 385	161 ± 369	164 ± 368	481 ± 843	171 ± 365
CD58 + CD31	17 ± 18	7 ± 12	7 ± 12	7 ± 12	7 ± 12
CD58 + CD4	139 ± 166	62 ± 133	64 ± 132	157 ± 256	65 ± 132
CD58 + CD44	8107 ± 7682	5641 ± 6407	5257 ± 6501	6293 ± 6930	5212 ± 6397
CD58 + CD45	350 ± 434	92 ± 136	105 ± 134	470 ± 984	107 ± 134
CD58 + CD45RA	69 ± 147	59 ± 150	59 ± 150	88 ± 156	59 ± 150
CD58 + CD45RO	178 ± 226	57 ± 149	60 ± 148	124 ± 210	58 ± 149
CD58 + CD52	33 ± 43	10 ± 19	9 ± 20	751 ± 1961	13 ± 19
CD58 + CD54	422 ± 774	298 ± 776	298 ± 776	608 ± 1031	298 ± 776
CD58 + CD56	12 ± 18	7 ± 17	7 ± 17	20 ± 35	9 ± 17
CD58 + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD58 + CD62P	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD58 + CD68	400 ± 506	496 ± 461	394 ± 511	390 ± 513	442 ± 479
CD58 + CD7	272 ± 345	120 ± 298	150 ± 295	362 ± 657	122 ± 297
CD58 + CD8a	223 ± 336	121 ± 308	124 ± 307	184 ± 320	132 ± 304
CD58 + CK14	17179 ± 14764	11545 ± 11624	10853 ± 12300	12810 ± 13260	10552 ± 12061
CD58 + CLA	367 ± 369	281 ± 383	291 ± 380	288 ± 381	361 ± 411
CD58 + c-myc	5578 ± 5118	4546 ± 3564	3586 ± 2653	4108 ± 2845	3995 ± 2333
CD58 + Collagen IV	363 ± 661	270 ± 669	265 ± 671	797 ± 1451	267 ± 671
CD58 + FXIIIA	5 ± 8	4 ± 8	4 ± 8	5 ± 8	4 ± 8
CD58 + HLA-DR	4873 ± 4945	2762 ± 3880	2684 ± 3867	2968 ± 3820	2651 ± 3816
CD58 + IL-22R	4937 ± 3212	5151 ± 3077	3767 ± 3878	3862 ± 3780	4603 ± 3238
CD58 + IL-23R	2004 ± 1703	2507 ± 3278	1204 ± 1637	1422 ± 1492	1574 ± 1594
CD58 + Ki67	402 ± 558	295 ± 487	247 ± 507	248 ± 506	249 ± 505
CD58 + PI	2970 ± 2647	3206 ± 2665	2080 ± 2846	2520 ± 2785	2192 ± 2766
CD58 + Podoplanin	602 ± 1423	548 ± 1443	547 ± 1444	2582 ± 5337	547 ± 1444
CD58 + SNA1	1329 ± 2291	464 ± 863	365 ± 876	772 ± 1267	371 ± 873
CD58 + STAT3	6885 ± 6817	5983 ± 5033	3422 ± 4928	3503 ± 4872	4027 ± 4775
CD58 + TIA1	29 ± 46	28 ± 49	23 ± 47	35 ± 57	26 ± 46
CD58 + Vimentin	1336 ± 1556	1072 ± 1578	1002 ± 1615	1252 ± 1687	1080 ± 1584

Tabelle 257: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + BCL2	12 ± 16	8 ± 14	8 ± 14	8 ± 14	8 ± 14
CD62E + CCR6	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD62E + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD11b	1 ± 3	1 ± 3	1 ± 3	17 ± 41	1 ± 3
CD62E + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	12 ± 16	8 ± 14	9 ± 14	10 ± 14	8 ± 14
CD62E + CD15	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	0 ± 0	0 ± 0	0 ± 0	16 ± 41	0 ± 0
CD62E + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD29	7 ± 16	7 ± 16	7 ± 16	7 ± 16	7 ± 16
CD62E + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD44	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + CD45RO	0 ± 0	0 ± 0	0 ± 0	33 ± 87	0 ± 0
CD62E + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD54	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD56	1 ± 3	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD58	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + CD62P	3 ± 8	3 ± 8	3 ± 8	15 ± 31	3 ± 8
CD62E + CD68	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	13 ± 17	8 ± 15	9 ± 15	13 ± 14	8 ± 15
CD62E + CLA	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD62E + c-myc	7 ± 11	3 ± 6	3 ± 5	5 ± 6	3 ± 6
CD62E + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + FXIIIA	4 ± 8	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + HLA-DR	2 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD62E + IL-22R	3 ± 5	3 ± 5	3 ± 5	4 ± 6	3 ± 5
CD62E + IL-23R	7 ± 11	3 ± 5	4 ± 5	34 ± 74	3 ± 5
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	5 ± 12	5 ± 12	5 ± 12	19 ± 38	5 ± 12
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD62E + STAT3	9 ± 11	5 ± 7	6 ± 7	41 ± 87	5 ± 7
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	6 ± 16	0 ± 0
CD62E + Vimentin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0

Tabelle 258: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62P + BCL2	11 ± 25	11 ± 25	10 ± 25	10 ± 25	10 ± 25
CD62P + CCR6	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD11b	2 ± 5	2 ± 5	2 ± 5	7 ± 12	2 ± 5
CD62P + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	11 ± 26	10 ± 26	10 ± 26	10 ± 26	10 ± 26
CD62P + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	0 ± 1	0 ± 1	0 ± 1	5 ± 12	0 ± 1
CD62P + CD28	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62P + CD29	13 ± 31	13 ± 31	13 ± 31	13 ± 31	13 ± 31
CD62P + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD31	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD4	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD44	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD62P + CD45RO	0 ± 0	0 ± 0	0 ± 0	12 ± 31	0 ± 0
CD62P + CD52	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD54	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD56	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62P + CD62E	3 ± 8	3 ± 8	3 ± 8	15 ± 31	3 ± 8
CD62P + CD68	2 ± 2	2 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD7	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CK14	13 ± 31	13 ± 31	12 ± 31	12 ± 31	12 ± 31
CD62P + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + Collagen IV	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + HLA-DR	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + IL-22R	0 ± 0	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	2 ± 2	1 ± 2	1 ± 2	12 ± 28	1 ± 2
CD62P + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + PI	8 ± 22	9 ± 22	8 ± 22	15 ± 26	8 ± 22
CD62P + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	1 ± 2	2 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + STAT3	5 ± 11	5 ± 11	4 ± 11	16 ± 31	4 ± 11
CD62P + TIA1	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + Vimentin	2 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2

Tabelle 259: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD68 + BCL2	675 ± 509	591 ± 466	500 ± 444	520 ± 444	558 ± 409
CD68 + CCR6	63 ± 88	32 ± 51	36 ± 49	63 ± 74	57 ± 66
CD68 + CD11a	206 ± 252	139 ± 237	143 ± 234	169 ± 227	159 ± 228
CD68 + CD11b	158 ± 318	142 ± 325	141 ± 325	146 ± 322	145 ± 323
CD68 + CD120a	119 ± 103	136 ± 103	121 ± 102	127 ± 99	162 ± 114
CD68 + CD120b	19 ± 32	15 ± 29	12 ± 30	18 ± 30	14 ± 29
CD68 + CD138	653 ± 589	707 ± 533	582 ± 579	665 ± 579	692 ± 566
CD68 + CD15	24 ± 46	70 ± 119	24 ± 45	67 ± 103	30 ± 43
CD68 + CD1a	230 ± 225	313 ± 215	219 ± 225	225 ± 221	323 ± 220
CD68 + CD2	257 ± 276	194 ± 277	202 ± 272	221 ± 258	230 ± 254
CD68 + CD207	254 ± 232	323 ± 226	248 ± 223	269 ± 232	334 ± 216
CD68 + CD24	13 ± 33	13 ± 33	13 ± 33	15 ± 32	13 ± 33
CD68 + CD28	75 ± 107	39 ± 58	36 ± 59	58 ± 71	38 ± 58
CD68 + CD29	1494 ± 1440	1521 ± 1383	1390 ± 1460	1372 ± 1479	1552 ± 1384
CD68 + CD3	168 ± 232	137 ± 238	141 ± 236	172 ± 223	163 ± 227
CD68 + CD31	13 ± 15	12 ± 16	12 ± 16	12 ± 16	13 ± 15
CD68 + CD4	120 ± 155	82 ± 147	83 ± 146	127 ± 155	85 ± 145
CD68 + CD44	845 ± 739	763 ± 719	771 ± 708	873 ± 678	812 ± 688
CD68 + CD45	221 ± 335	90 ± 116	98 ± 112	131 ± 137	102 ± 112
CD68 + CD45RA	71 ± 122	60 ± 125	60 ± 125	85 ± 128	64 ± 123
CD68 + CD45RO	206 ± 356	78 ± 188	80 ± 187	100 ± 186	76 ± 189
CD68 + CD52	14 ± 21	12 ± 21	11 ± 21	17 ± 21	13 ± 21
CD68 + CD54	355 ± 605	202 ± 524	202 ± 524	241 ± 516	202 ± 524
CD68 + CD56	7 ± 5	4 ± 5	7 ± 7	4 ± 4	10 ± 16
CD68 + CD58	400 ± 506	496 ± 461	394 ± 511	390 ± 513	442 ± 479
CD68 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD68 + CD62P	2 ± 2	2 ± 2	1 ± 2	1 ± 2	1 ± 2
CD68 + CD7	132 ± 187	88 ± 175	94 ± 172	116 ± 172	95 ± 172
CD68 + CD8a	80 ± 140	76 ± 142	75 ± 143	79 ± 140	92 ± 136
CD68 + CK14	2489 ± 2280	2885 ± 2055	2580 ± 2185	2618 ± 2203	3047 ± 1952
CD68 + CLA	226 ± 236	214 ± 239	209 ± 241	222 ± 230	284 ± 230
CD68 + c-myc	681 ± 535	736 ± 603	646 ± 554	613 ± 568	738 ± 499
CD68 + Collagen IV	425 ± 523	559 ± 492	490 ± 507	422 ± 525	478 ± 501
CD68 + FXIIIA	8 ± 14	7 ± 15	11 ± 16	9 ± 15	12 ± 18
CD68 + HLA-DR	786 ± 741	676 ± 721	670 ± 722	868 ± 769	775 ± 668
CD68 + IL-22R	292 ± 394	374 ± 358	290 ± 396	307 ± 385	413 ± 350
CD68 + IL-23R	126 ± 86	172 ± 172	101 ± 106	157 ± 88	160 ± 140
CD68 + Ki67	96 ± 110	137 ± 109	91 ± 111	100 ± 109	114 ± 101
CD68 + PI	1395 ± 1191	1581 ± 1111	1393 ± 1156	1451 ± 1180	1543 ± 1061
CD68 + Podoplanin	61 ± 97	43 ± 86	38 ± 87	50 ± 88	39 ± 86
CD68 + SNA1	630 ± 566	592 ± 445	502 ± 464	462 ± 480	512 ± 455
CD68 + STAT3	179 ± 311	378 ± 407	175 ± 313	189 ± 306	203 ± 309
CD68 + TIA1	28 ± 42	24 ± 44	26 ± 43	27 ± 42	26 ± 42
CD68 + Vimentin	1870 ± 1393	1849 ± 1294	1783 ± 1337	1856 ± 1370	2066 ± 1276

Tabelle 260: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + BCL2	126 ± 239	17 ± 12	18 ± 12	43 ± 63	20 ± 9
CD7 + CCR6	59 ± 119	12 ± 21	13 ± 21	50 ± 91	14 ± 20
CD7 + CD11a	783 ± 1352	149 ± 322	157 ± 319	323 ± 499	154 ± 320
CD7 + CD11b	149 ± 260	44 ± 115	44 ± 115	54 ± 114	44 ± 115
CD7 + CD120a	10 ± 11	8 ± 11	8 ± 11	15 ± 19	8 ± 11
CD7 + CD120b	51 ± 77	20 ± 52	20 ± 52	90 ± 184	21 ± 52
CD7 + CD138	722 ± 1264	109 ± 264	135 ± 260	247 ± 387	112 ± 262
CD7 + CD15	70 ± 181	1 ± 3	1 ± 3	8 ± 12	1 ± 3
CD7 + CD1a	54 ± 85	38 ± 88	38 ± 88	47 ± 86	39 ± 87
CD7 + CD2	771 ± 1371	137 ± 267	158 ± 261	345 ± 544	147 ± 262
CD7 + CD207	38 ± 45	23 ± 39	25 ± 38	45 ± 60	24 ± 39
CD7 + CD24	63 ± 157	4 ± 9	4 ± 9	9 ± 15	4 ± 9
CD7 + CD28	514 ± 1148	41 ± 90	41 ± 90	131 ± 239	43 ± 89
CD7 + CD29	658 ± 1214	99 ± 247	116 ± 243	377 ± 716	102 ± 246
CD7 + CD3	676 ± 1141	178 ± 404	190 ± 399	648 ± 1205	188 ± 399
CD7 + CD31	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD4	487 ± 1060	60 ± 130	62 ± 129	238 ± 461	63 ± 129
CD7 + CD44	849 ± 1396	204 ± 465	238 ± 457	698 ± 1256	207 ± 464
CD7 + CD45	690 ± 1398	63 ± 121	79 ± 120	373 ± 804	65 ± 120
CD7 + CD45RA	123 ± 214	84 ± 207	86 ± 207	117 ± 206	85 ± 207
CD7 + CD45RO	556 ± 1132	58 ± 146	61 ± 144	179 ± 326	58 ± 146
CD7 + CD52	72 ± 147	8 ± 16	8 ± 16	172 ± 428	9 ± 16
CD7 + CD54	610 ± 1269	125 ± 330	125 ± 330	215 ± 373	125 ± 330
CD7 + CD56	17 ± 33	13 ± 33	13 ± 33	18 ± 33	12 ± 33
CD7 + CD58	272 ± 345	120 ± 298	150 ± 295	362 ± 657	122 ± 297
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD68	132 ± 187	88 ± 175	94 ± 172	116 ± 172	95 ± 172
CD7 + CD8a	290 ± 354	81 ± 186	85 ± 184	184 ± 286	86 ± 183
CD7 + CK14	1235 ± 1908	282 ± 634	398 ± 651	797 ± 1304	294 ± 628
CD7 + CLA	257 ± 332	94 ± 193	118 ± 190	158 ± 222	101 ± 190
CD7 + c-myc	260 ± 395	34 ± 67	44 ± 66	260 ± 564	42 ± 64
CD7 + Collagen IV	94 ± 143	24 ± 55	37 ± 61	127 ± 245	29 ± 55
CD7 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	4 ± 8	1 ± 3
CD7 + HLA-DR	684 ± 1065	168 ± 390	197 ± 383	341 ± 486	171 ± 389
CD7 + IL-22R	59 ± 88	40 ± 92	41 ± 92	49 ± 91	43 ± 91
CD7 + IL-23R	21 ± 34	7 ± 16	7 ± 16	24 ± 46	7 ± 16
CD7 + Ki67	38 ± 49	16 ± 40	16 ± 40	16 ± 40	16 ± 40
CD7 + PI	761 ± 1360	135 ± 271	165 ± 268	296 ± 392	141 ± 268
CD7 + Podoplanin	55 ± 110	13 ± 33	14 ± 33	311 ± 780	13 ± 33
CD7 + SNA1	518 ± 973	39 ± 92	58 ± 99	206 ± 399	43 ± 91
CD7 + STAT3	167 ± 337	7 ± 13	7 ± 13	27 ± 50	8 ± 13
CD7 + TIA1	47 ± 60	26 ± 56	31 ± 55	55 ± 77	27 ± 56
CD7 + Vimentin	670 ± 1048	198 ± 453	241 ± 446	370 ± 557	205 ± 449

Tabelle 261: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + BCL2	64 ± 70	22 ± 31	21 ± 32	29 ± 29	24 ± 30
CD8a + CCR6	28 ± 48	12 ± 29	12 ± 29	20 ± 29	13 ± 28
CD8a + CD11a	365 ± 394	132 ± 251	133 ± 251	210 ± 279	167 ± 238
CD8a + CD11b	38 ± 54	19 ± 49	19 ± 49	21 ± 48	19 ± 49
CD8a + CD120a	12 ± 26	11 ± 26	11 ± 26	12 ± 26	11 ± 26
CD8a + CD120b	7 ± 9	4 ± 9	4 ± 9	13 ± 26	5 ± 9
CD8a + CD138	312 ± 376	115 ± 279	121 ± 277	148 ± 274	136 ± 274
CD8a + CD15	2 ± 4	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD8a + CD1a	20 ± 38	16 ± 39	16 ± 39	18 ± 39	21 ± 39
CD8a + CD2	425 ± 462	184 ± 334	183 ± 335	284 ± 373	228 ± 321
CD8a + CD207	6 ± 9	5 ± 9	5 ± 9	9 ± 11	7 ± 8
CD8a + CD24	3 ± 5	2 ± 5	2 ± 5	2 ± 4	2 ± 5
CD8a + CD28	61 ± 109	13 ± 23	12 ± 23	22 ± 32	15 ± 23
CD8a + CD29	292 ± 314	107 ± 205	115 ± 202	162 ± 219	131 ± 195
CD8a + CD3	260 ± 316	141 ± 285	141 ± 285	285 ± 397	169 ± 275
CD8a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD8a + CD4	39 ± 58	13 ± 26	13 ± 26	26 ± 40	14 ± 25
CD8a + CD44	450 ± 529	195 ± 438	204 ± 434	315 ± 483	216 ± 429
CD8a + CD45	269 ± 387	49 ± 94	51 ± 93	161 ± 295	55 ± 92
CD8a + CD45RA	83 ± 109	63 ± 114	63 ± 114	76 ± 111	66 ± 112
CD8a + CD45RO	145 ± 239	16 ± 42	16 ± 42	49 ± 88	16 ± 42
CD8a + CD52	36 ± 49	12 ± 24	11 ± 24	77 ± 161	15 ± 24
CD8a + CD54	116 ± 204	45 ± 119	45 ± 119	70 ± 126	45 ± 119
CD8a + CD56	1 ± 1	1 ± 1	0 ± 1	0 ± 1	1 ± 1
CD8a + CD58	223 ± 336	121 ± 308	124 ± 307	184 ± 320	132 ± 304
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD68	80 ± 140	76 ± 142	75 ± 143	79 ± 140	92 ± 136
CD8a + CD7	290 ± 354	81 ± 186	85 ± 184	184 ± 286	86 ± 183
CD8a + CK14	709 ± 771	361 ± 714	375 ± 708	488 ± 711	438 ± 686
CD8a + CLA	281 ± 303	156 ± 288	171 ± 282	178 ± 279	190 ± 275
CD8a + c-myc	192 ± 237	67 ± 133	68 ± 132	155 ± 210	97 ± 128
CD8a + Collagen IV	92 ± 109	51 ± 92	49 ± 92	92 ± 108	69 ± 96
CD8a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	7 ± 17	0 ± 1
CD8a + HLA-DR	354 ± 434	172 ± 405	179 ± 402	223 ± 392	186 ± 399
CD8a + IL-22R	52 ± 98	43 ± 101	43 ± 101	46 ± 100	57 ± 97
CD8a + IL-23R	11 ± 12	5 ± 10	5 ± 10	11 ± 12	9 ± 14
CD8a + Ki67	25 ± 29	12 ± 26	12 ± 26	12 ± 26	14 ± 25
CD8a + PI	429 ± 471	187 ± 367	199 ± 362	258 ± 361	231 ± 352
CD8a + Podoplanin	44 ± 76	28 ± 74	28 ± 74	84 ± 155	28 ± 74
CD8a + SNA1	255 ± 329	68 ± 119	66 ± 120	114 ± 134	79 ± 117
CD8a + STAT3	50 ± 78	6 ± 9	5 ± 9	12 ± 13	17 ± 29
CD8a + TIA1	63 ± 74	37 ± 75	42 ± 73	63 ± 87	46 ± 73
CD8a + Vimentin	373 ± 501	193 ± 457	198 ± 455	239 ± 448	211 ± 450

Tabelle 262: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	7 ± 12	6 ± 12	79 ± 192	6 ± 12	6 ± 12
CK14 + BCL2	4960 ± 3992	4548 ± 4691	3036 ± 3940	3111 ± 3879	3133 ± 3869
CK14 + CCR6	223 ± 248	193 ± 270	170 ± 153	347 ± 416	290 ± 389
CK14 + CD11a	1366 ± 1924	371 ± 624	388 ± 614	658 ± 810	433 ± 591
CK14 + CD11b	433 ± 641	299 ± 672	300 ± 672	436 ± 681	317 ± 664
CK14 + CD120a	498 ± 313	354 ± 182	338 ± 136	375 ± 94	678 ± 861
CK14 + CD120b	50 ± 60	37 ± 51	26 ± 50	85 ± 135	31 ± 48
CK14 + CD138	52380 ± 47278	24068 ± 22314	27765 ± 22567	32736 ± 23709	24842 ± 22202
CK14 + CD15	66 ± 60	96 ± 122	47 ± 56	147 ± 178	53 ± 51
CK14 + CD1a	2062 ± 2092	1090 ± 529	993 ± 597	937 ± 473	1261 ± 967
CK14 + CD2	1456 ± 2193	468 ± 700	506 ± 680	795 ± 863	556 ± 654
CK14 + CD207	1406 ± 694	1267 ± 838	1420 ± 863	1422 ± 845	1157 ± 402
CK14 + CD24	150 ± 363	145 ± 366	148 ± 365	204 ± 361	145 ± 366
CK14 + CD28	800 ± 1801	78 ± 118	73 ± 121	121 ± 148	85 ± 118
CK14 + CD29	21133 ± 16514	12747 ± 9947	11884 ± 10154	15050 ± 10888	12485 ± 9664
CK14 + CD3	1062 ± 1588	378 ± 734	389 ± 729	979 ± 1487	442 ± 705
CK14 + CD31	36 ± 51	11 ± 13	10 ± 14	11 ± 13	13 ± 14
CK14 + CD4	805 ± 1574	157 ± 267	160 ± 265	397 ± 597	167 ± 261
CK14 + CD44	27303 ± 22437	15405 ± 17158	19795 ± 18812	24336 ± 20635	16743 ± 16343
CK14 + CD45	1385 ± 2800	153 ± 207	180 ± 200	694 ± 1390	173 ± 202
CK14 + CD45RA	325 ± 440	187 ± 388	190 ± 387	282 ± 406	200 ± 382
CK14 + CD45RO	865 ± 1794	100 ± 237	110 ± 234	279 ± 477	101 ± 237
CK14 + CD52	104 ± 175	22 ± 36	20 ± 37	851 ± 2180	25 ± 35
CK14 + CD54	3552 ± 7151	810 ± 2112	810 ± 2112	1558 ± 2637	812 ± 2111
CK14 + CD56	61 ± 52	34 ± 50	156 ± 296	60 ± 72	45 ± 52
CK14 + CD58	17179 ± 14764	11545 ± 11624	10853 ± 12300	12810 ± 13260	10552 ± 12061
CK14 + CD62E	13 ± 17	8 ± 15	9 ± 15	13 ± 14	8 ± 15
CK14 + CD62P	13 ± 31	13 ± 31	12 ± 31	12 ± 31	12 ± 31
CK14 + CD68	2489 ± 2280	2885 ± 2055	2580 ± 2185	2618 ± 2203	3047 ± 1952
CK14 + CD7	1235 ± 1908	282 ± 634	398 ± 651	797 ± 1304	294 ± 628
CK14 + CD8a	709 ± 771	361 ± 714	375 ± 708	488 ± 711	438 ± 686
CK14 + CLA	1161 ± 885	713 ± 864	856 ± 848	835 ± 788	994 ± 857
CK14 + c-myc	21199 ± 17511	11291 ± 6722	12601 ± 4803	13963 ± 6335	13092 ± 4986
CK14 + Collagen IV	4533 ± 3909	3373 ± 3701	3864 ± 3785	4763 ± 4423	3680 ± 3760
CK14 + FXIIIA	34 ± 42	19 ± 32	38 ± 42	37 ± 36	29 ± 34
CK14 + HLA-DR	15209 ± 14139	7534 ± 10620	8360 ± 10425	12920 ± 13101	8119 ± 10294
CK14 + IL-22R	13689 ± 7966	11394 ± 8566	10022 ± 9759	10559 ± 9277	12890 ± 7877
CK14 + IL-23R	5536 ± 5365	3771 ± 4685	2061 ± 1900	3830 ± 2727	2525 ± 2044
CK14 + Ki67	4188 ± 3824	3191 ± 3692	2617 ± 3976	2871 ± 3860	3135 ± 3705
CK14 + PI	26454 ± 15658	18461 ± 10121	19500 ± 10573	23098 ± 10277	19826 ± 9576
CK14 + Podoplanin	2670 ± 4388	1398 ± 3536	1451 ± 3516	6040 ± 12218	1392 ± 3539
CK14 + SNA1	8637 ± 9122	3842 ± 2558	4055 ± 2738	4963 ± 3299	3679 ± 2286
CK14 + STAT3	20507 ± 21029	10876 ± 7114	8053 ± 5756	12374 ± 10486	8011 ± 6431
CK14 + TIA1	89 ± 92	56 ± 87	65 ± 89	117 ± 170	71 ± 84
CK14 + Vimentin	6891 ± 5543	4726 ± 4916	5461 ± 5111	6599 ± 5198	5241 ± 4876

Tabelle 263: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + BCL2	113 ± 118	77 ± 81	49 ± 65	67 ± 57	58 ± 61
CLA + CCR6	41 ± 64	17 ± 30	17 ± 30	35 ± 37	34 ± 45
CLA + CD11a	369 ± 402	167 ± 263	175 ± 258	234 ± 264	193 ± 247
CLA + CD11b	61 ± 98	37 ± 93	37 ± 93	65 ± 108	37 ± 93
CLA + CD120a	110 ± 118	60 ± 77	82 ± 88	62 ± 75	130 ± 181
CLA + CD120b	20 ± 31	7 ± 16	7 ± 16	16 ± 27	9 ± 16
CLA + CD138	659 ± 601	354 ± 483	414 ± 489	374 ± 468	576 ± 708
CLA + CD15	28 ± 46	14 ± 17	10 ± 16	27 ± 38	10 ± 16
CLA + CD1a	229 ± 276	118 ± 152	161 ± 202	114 ± 148	257 ± 402
CLA + CD2	457 ± 542	209 ± 295	230 ± 284	278 ± 274	255 ± 273
CLA + CD207	243 ± 249	165 ± 214	235 ± 286	175 ± 205	282 ± 351
CLA + CD24	19 ± 42	2 ± 6	2 ± 6	19 ± 44	2 ± 6
CLA + CD28	113 ± 198	27 ± 44	28 ± 44	40 ± 47	30 ± 43
CLA + CD29	383 ± 415	198 ± 261	200 ± 260	248 ± 249	237 ± 243
CLA + CD3	285 ± 321	152 ± 245	160 ± 240	244 ± 269	179 ± 230
CLA + CD31	1 ± 2	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CLA + CD4	128 ± 175	48 ± 76	49 ± 75	100 ± 130	53 ± 73
CLA + CD44	717 ± 710	381 ± 556	461 ± 538	528 ± 528	479 ± 528
CLA + CD45	323 ± 522	77 ± 104	94 ± 100	138 ± 158	108 ± 110
CLA + CD45RA	147 ± 198	79 ± 153	79 ± 153	113 ± 159	86 ± 150
CLA + CD45RO	207 ± 443	21 ± 43	28 ± 43	66 ± 114	21 ± 43
CLA + CD52	26 ± 40	7 ± 15	8 ± 15	39 ± 78	11 ± 16
CLA + CD54	220 ± 444	50 ± 133	50 ± 133	79 ± 142	51 ± 133
CLA + CD56	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CLA + CD58	367 ± 369	281 ± 383	291 ± 380	288 ± 381	361 ± 411
CLA + CD62E	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CLA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	226 ± 236	214 ± 239	209 ± 241	222 ± 230	284 ± 230
CLA + CD7	257 ± 332	94 ± 193	118 ± 190	158 ± 222	101 ± 190
CLA + CD8a	281 ± 303	156 ± 288	171 ± 282	178 ± 279	190 ± 275
CLA + CK14	1161 ± 885	713 ± 864	856 ± 848	835 ± 788	994 ± 857
CLA + c-myc	239 ± 187	159 ± 162	130 ± 166	213 ± 215	188 ± 167
CLA + Collagen IV	59 ± 56	32 ± 47	35 ± 46	70 ± 87	45 ± 45
CLA + FXIIIA	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CLA + HLA-DR	767 ± 613	388 ± 510	505 ± 511	512 ± 449	574 ± 541
CLA + IL-22R	245 ± 253	221 ± 264	202 ± 273	204 ± 272	364 ± 426
CLA + IL-23R	68 ± 86	33 ± 75	33 ± 75	49 ± 73	144 ± 289
CLA + Ki67	59 ± 59	33 ± 57	32 ± 57	35 ± 56	43 ± 53
CLA + PI	597 ± 574	303 ± 324	339 ± 311	375 ± 277	412 ± 286
CLA + Podoplanin	52 ± 89	28 ± 73	28 ± 73	63 ± 107	28 ± 73
CLA + SNA1	317 ± 422	71 ± 120	93 ± 122	147 ± 186	100 ± 115
CLA + STAT3	236 ± 339	158 ± 329	129 ± 333	152 ± 327	268 ± 452
CLA + TIA1	40 ± 44	24 ± 45	32 ± 45	47 ± 63	33 ± 44
CLA + Vimentin	776 ± 748	426 ± 599	530 ± 611	501 ± 561	638 ± 680

Tabelle 264: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	5 ± 7	2 ± 5	79 ± 201	3 ± 5	2 ± 5
c-myc + BCL2	3152 ± 3740	4246 ± 6026	2257 ± 3871	2255 ± 3869	2307 ± 3851
c-myc + CCR6	115 ± 118	213 ± 418	138 ± 181	131 ± 137	160 ± 195
c-myc + CD11a	404 ± 568	68 ± 109	72 ± 107	476 ± 1043	88 ± 102
c-myc + CD11b	271 ± 361	137 ± 345	137 ± 345	219 ± 367	152 ± 339
c-myc + CD120a	184 ± 198	134 ± 158	75 ± 57	122 ± 115	96 ± 48
c-myc + CD120b	31 ± 35	23 ± 31	14 ± 24	45 ± 72	17 ± 23
c-myc + CD138	11737 ± 11543	7412 ± 5528	7281 ± 3938	5932 ± 4254	7196 ± 3509
c-myc + CD15	43 ± 42	44 ± 43	32 ± 41	147 ± 198	32 ± 41
c-myc + CD1a	668 ± 996	492 ± 652	339 ± 278	235 ± 247	544 ± 444
c-myc + CD2	223 ± 291	66 ± 79	67 ± 78	189 ± 286	100 ± 70
c-myc + CD207	521 ± 474	709 ± 936	508 ± 430	341 ± 355	450 ± 309
c-myc + CD24	19 ± 25	13 ± 24	14 ± 23	60 ± 111	13 ± 24
c-myc + CD28	120 ± 232	14 ± 20	14 ± 20	49 ± 90	22 ± 24
c-myc + CD29	6701 ± 4545	3960 ± 3648	3795 ± 3645	4889 ± 3777	3975 ± 3477
c-myc + CD3	164 ± 235	43 ± 69	43 ± 69	344 ± 743	67 ± 64
c-myc + CD31	44 ± 77	9 ± 18	9 ± 18	10 ± 17	11 ± 18
c-myc + CD4	308 ± 508	80 ± 168	84 ± 166	346 ± 684	88 ± 164
c-myc + CD44	5312 ± 3144	3447 ± 2874	3903 ± 2645	4329 ± 2618	4245 ± 2537
c-myc + CD45	310 ± 525	32 ± 46	39 ± 42	355 ± 837	36 ± 43
c-myc + CD45RA	110 ± 156	43 ± 103	44 ± 103	171 ± 330	49 ± 101
c-myc + CD45RO	145 ± 271	12 ± 29	14 ± 29	78 ± 170	12 ± 29
c-myc + CD52	30 ± 44	4 ± 4	4 ± 4	315 ± 817	6 ± 5
c-myc + CD54	588 ± 1167	119 ± 299	119 ± 299	552 ± 1128	120 ± 298
c-myc + CD56	46 ± 50	17 ± 32	136 ± 300	89 ± 183	21 ± 32
c-myc + CD58	5578 ± 5118	4546 ± 3564	3586 ± 2653	4108 ± 2845	3995 ± 2333
c-myc + CD62E	7 ± 11	3 ± 6	3 ± 5	5 ± 6	3 ± 6
c-myc + CD62P	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
c-myc + CD68	681 ± 535	736 ± 603	646 ± 554	613 ± 568	738 ± 499
c-myc + CD7	260 ± 395	34 ± 67	44 ± 66	260 ± 564	42 ± 64
c-myc + CD8a	192 ± 237	67 ± 133	68 ± 132	155 ± 210	97 ± 128
c-myc + CK14	21199 ± 17511	11291 ± 6722	12601 ± 4803	13963 ± 6335	13092 ± 4986
c-myc + CLA	239 ± 187	159 ± 162	130 ± 166	213 ± 215	188 ± 167
c-myc + Collagen IV	5393 ± 5430	3194 ± 5369	3567 ± 5184	6277 ± 7659	3797 ± 5173
c-myc + FXIIIA	41 ± 53	26 ± 51	41 ± 57	45 ± 51	31 ± 49
c-myc + HLA-DR	3712 ± 3965	1452 ± 1586	1787 ± 1319	2532 ± 1539	1957 ± 1389
c-myc + IL-22R	5719 ± 4866	4671 ± 4055	3766 ± 3707	3634 ± 3822	5053 ± 3406
c-myc + IL-23R	4374 ± 3422	1900 ± 2092	2151 ± 1895	2724 ± 1783	2415 ± 1917
c-myc + Ki67	323 ± 362	195 ± 215	125 ± 170	136 ± 164	133 ± 166
c-myc + PI	3676 ± 2966	2864 ± 2969	2310 ± 1445	2590 ± 1877	2307 ± 1519
c-myc + Podoplanin	426 ± 677	237 ± 580	291 ± 581	1144 ± 2396	230 ± 583
c-myc + SNA1	7156 ± 6838	2670 ± 2984	3061 ± 2720	5431 ± 5274	3151 ± 2686
c-myc + STAT3	10573 ± 12262	6199 ± 6046	5419 ± 3324	4603 ± 3479	4549 ± 3652
c-myc + TIA1	35 ± 50	25 ± 38	20 ± 30	77 ± 163	24 ± 31
c-myc + Vimentin	1903 ± 1695	1099 ± 1521	1155 ± 1481	1862 ± 2068	1300 ± 1436

Tabelle 265: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	5 ± 8	3 ± 7	6 ± 11	3 ± 7	3 ± 7
Collagen IV + BCL2	282 ± 179	166 ± 149	159 ± 153	197 ± 152	163 ± 151
Collagen IV + CCR6	7 ± 8	3 ± 6	6 ± 6	20 ± 40	6 ± 7
Collagen IV + CD11a	173 ± 244	38 ± 79	38 ± 79	158 ± 308	44 ± 77
Collagen IV + CD11b	169 ± 277	112 ± 286	113 ± 286	163 ± 289	127 ± 282
Collagen IV + CD120a	11 ± 15	6 ± 7	5 ± 6	26 ± 48	18 ± 28
Collagen IV + CD120b	13 ± 23	9 ± 22	9 ± 22	24 ± 40	12 ± 23
Collagen IV + CD138	484 ± 593	184 ± 266	172 ± 244	292 ± 320	160 ± 250
Collagen IV + CD15	15 ± 20	15 ± 20	8 ± 15	79 ± 124	8 ± 15
Collagen IV + CD1a	3 ± 8	5 ± 8	3 ± 8	4 ± 8	4 ± 8
Collagen IV + CD2	91 ± 132	34 ± 45	35 ± 45	69 ± 92	50 ± 57
Collagen IV + CD207	3 ± 6	5 ± 7	3 ± 3	4 ± 6	2 ± 4
Collagen IV + CD24	10 ± 21	8 ± 21	11 ± 21	31 ± 56	8 ± 21
Collagen IV + CD28	68 ± 140	7 ± 9	6 ± 10	19 ± 33	15 ± 24
Collagen IV + CD29	2580 ± 2559	1613 ± 2352	1610 ± 2345	2211 ± 2721	1577 ± 2376
Collagen IV + CD3	81 ± 114	29 ± 52	27 ± 53	169 ± 328	43 ± 56
Collagen IV + CD31	58 ± 85	15 ± 21	15 ± 21	24 ± 26	19 ± 20
Collagen IV + CD4	177 ± 281	55 ± 124	57 ± 123	143 ± 237	62 ± 121
Collagen IV + CD44	1145 ± 1174	617 ± 889	745 ± 926	996 ± 1184	605 ± 885
Collagen IV + CD45	136 ± 251	12 ± 24	13 ± 24	147 ± 353	14 ± 24
Collagen IV + CD45RA	60 ± 86	32 ± 74	33 ± 74	71 ± 114	36 ± 72
Collagen IV + CD45RO	71 ± 131	9 ± 25	11 ± 25	35 ± 64	10 ± 25
Collagen IV + CD52	14 ± 20	3 ± 4	3 ± 4	186 ± 472	3 ± 4
Collagen IV + CD54	367 ± 640	103 ± 245	103 ± 245	270 ± 464	104 ± 244
Collagen IV + CD56	28 ± 30	15 ± 29	24 ± 31	78 ± 160	22 ± 31
Collagen IV + CD58	363 ± 661	270 ± 669	265 ± 671	797 ± 1451	267 ± 671
Collagen IV + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Collagen IV + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Collagen IV + CD68	425 ± 523	559 ± 492	490 ± 507	422 ± 525	478 ± 501
Collagen IV + CD7	94 ± 143	24 ± 55	37 ± 61	127 ± 245	29 ± 55
Collagen IV + CD8a	92 ± 109	51 ± 92	49 ± 92	92 ± 108	69 ± 96
Collagen IV + CK14	4533 ± 3909	3373 ± 3701	3864 ± 3785	4763 ± 4423	3680 ± 3760
Collagen IV + CLA	59 ± 56	32 ± 47	35 ± 46	70 ± 87	45 ± 45
Collagen IV + c-myc	5393 ± 5430	3194 ± 5369	3567 ± 5184	6277 ± 7659	3797 ± 5173
Collagen IV + FXIIIA	20 ± 44	20 ± 44	24 ± 43	24 ± 44	23 ± 43
Collagen IV + HLA-DR	1146 ± 1345	587 ± 1167	631 ± 1157	930 ± 1180	570 ± 1169
Collagen IV + IL-22R	40 ± 70	45 ± 67	39 ± 70	53 ± 67	54 ± 69
Collagen IV + IL-23R	30 ± 63	7 ± 10	6 ± 10	108 ± 269	7 ± 9
Collagen IV + Ki67	52 ± 63	40 ± 49	23 ± 49	34 ± 47	25 ± 48
Collagen IV + PI	546 ± 494	418 ± 406	406 ± 389	780 ± 956	388 ± 416
Collagen IV + Podoplanin	218 ± 345	133 ± 305	125 ± 308	663 ± 1410	127 ± 307
Collagen IV + SNA1	4244 ± 3550	2452 ± 2427	3174 ± 2940	4215 ± 4179	2561 ± 2415
Collagen IV + STAT3	29 ± 77	96 ± 254	21 ± 57	0 ± 1	0 ± 0
Collagen IV + TIA1	14 ± 20	9 ± 19	9 ± 19	45 ± 93	11 ± 19
Collagen IV + Vimentin	889 ± 957	734 ± 953	736 ± 948	994 ± 1194	688 ± 976

Tabelle 266: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	2 ± 2	1 ± 2	16 ± 38	1 ± 2	1 ± 2
FXIIIA + BCL2	17 ± 26	7 ± 10	7 ± 10	11 ± 12	7 ± 10
FXIIIA + CCR6	4 ± 8	0 ± 1	10 ± 25	5 ± 10	0 ± 1
FXIIIA + CD11a	6 ± 13	5 ± 14	5 ± 14	12 ± 21	5 ± 14
FXIIIA + CD11b	12 ± 25	10 ± 26	10 ± 26	12 ± 25	12 ± 25
FXIIIA + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
FXIIIA + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD138	20 ± 36	6 ± 8	20 ± 37	15 ± 16	6 ± 8
FXIIIA + CD15	0 ± 1	0 ± 1	0 ± 1	2 ± 5	0 ± 1
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	1 ± 2	1 ± 2	1 ± 2	7 ± 15	1 ± 2
FXIIIA + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 3	1 ± 3	1 ± 3	3 ± 5	1 ± 3
FXIIIA + CD28	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
FXIIIA + CD29	23 ± 42	19 ± 44	33 ± 52	23 ± 43	19 ± 44
FXIIIA + CD3	1 ± 3	1 ± 3	1 ± 3	7 ± 13	1 ± 3
FXIIIA + CD31	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
FXIIIA + CD4	6 ± 14	5 ± 14	5 ± 14	9 ± 15	5 ± 14
FXIIIA + CD44	9 ± 13	6 ± 13	14 ± 15	20 ± 35	8 ± 13
FXIIIA + CD45	4 ± 6	2 ± 7	2 ± 7	8 ± 15	2 ± 7
FXIIIA + CD45RA	5 ± 11	4 ± 11	5 ± 11	6 ± 12	5 ± 11
FXIIIA + CD45RO	4 ± 7	3 ± 8	4 ± 8	5 ± 9	3 ± 8
FXIIIA + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
FXIIIA + CD54	12 ± 28	11 ± 28	11 ± 28	17 ± 29	11 ± 28
FXIIIA + CD56	3 ± 4	0 ± 1	15 ± 38	0 ± 1	0 ± 1
FXIIIA + CD58	5 ± 8	4 ± 8	4 ± 8	5 ± 8	4 ± 8
FXIIIA + CD62E	4 ± 8	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD68	8 ± 14	7 ± 15	11 ± 16	9 ± 15	12 ± 18
FXIIIA + CD7	1 ± 3	1 ± 3	1 ± 3	4 ± 8	1 ± 3
FXIIIA + CD8a	0 ± 1	0 ± 1	0 ± 1	7 ± 17	0 ± 1
FXIIIA + CK14	34 ± 42	19 ± 32	38 ± 42	37 ± 36	29 ± 34
FXIIIA + CLA	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
FXIIIA + c-myc	41 ± 53	26 ± 51	41 ± 57	45 ± 51	31 ± 49
FXIIIA + Collagen IV	20 ± 44	20 ± 44	24 ± 43	24 ± 44	23 ± 43
FXIIIA + HLA-DR	18 ± 26	11 ± 27	15 ± 26	19 ± 26	13 ± 26
FXIIIA + IL-22R	11 ± 21	3 ± 4	3 ± 4	8 ± 13	3 ± 4
FXIIIA + IL-23R	18 ± 32	5 ± 9	5 ± 9	13 ± 17	5 ± 9
FXIIIA + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + PI	8 ± 6	4 ± 5	21 ± 32	12 ± 16	11 ± 15
FXIIIA + Podoplanin	8 ± 16	7 ± 16	20 ± 35	8 ± 16	7 ± 16
FXIIIA + SNA1	26 ± 52	22 ± 53	25 ± 52	28 ± 53	26 ± 52
FXIIIA + STAT3	17 ± 38	3 ± 5	17 ± 37	11 ± 16	3 ± 5
FXIIIA + TIA1	0 ± 0	0 ± 0	1 ± 2	2 ± 6	0 ± 0
FXIIIA + Vimentin	16 ± 29	13 ± 30	21 ± 30	25 ± 39	14 ± 29

Tabelle 267: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	4 ± 5	2 ± 5	10 ± 21	2 ± 5	2 ± 5
HLA-DR + BCL2	703 ± 641	383 ± 509	334 ± 534	468 ± 526	356 ± 521
HLA-DR + CCR6	113 ± 189	34 ± 56	48 ± 57	183 ± 284	68 ± 82
HLA-DR + CD11a	1100 ± 1528	297 ± 557	308 ± 550	568 ± 754	310 ± 549
HLA-DR + CD11b	443 ± 653	280 ± 673	282 ± 672	337 ± 656	284 ± 671
HLA-DR + CD120a	356 ± 156	209 ± 145	267 ± 122	332 ± 121	331 ± 214
HLA-DR + CD120b	47 ± 66	18 ± 39	17 ± 39	41 ± 55	18 ± 39
HLA-DR + CD138	10060 ± 10281	4240 ± 5598	4566 ± 5462	7420 ± 8640	4193 ± 5441
HLA-DR + CD15	34 ± 42	25 ± 25	17 ± 23	104 ± 161	18 ± 22
HLA-DR + CD1a	1495 ± 1616	550 ± 333	661 ± 379	653 ± 272	781 ± 507
HLA-DR + CD2	842 ± 1275	278 ± 507	293 ± 499	430 ± 504	305 ± 493
HLA-DR + CD207	1207 ± 712	663 ± 336	1003 ± 557	1068 ± 476	950 ± 328
HLA-DR + CD24	79 ± 154	64 ± 156	67 ± 155	104 ± 157	64 ± 156
HLA-DR + CD28	562 ± 1202	58 ± 100	59 ± 100	93 ± 113	59 ± 100
HLA-DR + CD29	4994 ± 4753	2687 ± 3024	2263 ± 2911	3317 ± 3040	2367 ± 2871
HLA-DR + CD3	685 ± 1004	239 ± 491	249 ± 486	486 ± 613	255 ± 483
HLA-DR + CD31	38 ± 61	7 ± 9	7 ± 9	7 ± 9	7 ± 9
HLA-DR + CD4	566 ± 1034	118 ± 209	122 ± 206	333 ± 521	124 ± 205
HLA-DR + CD44	9665 ± 9718	5020 ± 7485	5426 ± 7354	8473 ± 8745	5225 ± 7326
HLA-DR + CD45	1246 ± 2440	149 ± 233	175 ± 221	400 ± 631	179 ± 227
HLA-DR + CD45RA	245 ± 352	112 ± 261	115 ± 259	177 ± 275	114 ± 259
HLA-DR + CD45RO	828 ± 1692	104 ± 264	113 ± 261	238 ± 382	104 ± 264
HLA-DR + CD52	88 ± 154	14 ± 34	15 ± 33	203 ± 483	18 ± 33
HLA-DR + CD54	1933 ± 3708	495 ± 1290	496 ± 1290	821 ± 1423	496 ± 1289
HLA-DR + CD56	22 ± 29	10 ± 24	22 ± 34	19 ± 28	11 ± 24
HLA-DR + CD58	4873 ± 4945	2762 ± 3880	2684 ± 3867	2968 ± 3820	2651 ± 3816
HLA-DR + CD62E	2 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
HLA-DR + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
HLA-DR + CD68	786 ± 741	676 ± 721	670 ± 722	868 ± 769	775 ± 668
HLA-DR + CD7	684 ± 1065	168 ± 390	197 ± 383	341 ± 486	171 ± 389
HLA-DR + CD8a	354 ± 434	172 ± 405	179 ± 402	223 ± 392	186 ± 399
HLA-DR + CK14	15209 ± 14139	7534 ± 10620	8360 ± 10425	12920 ± 13101	8119 ± 10294
HLA-DR + CLA	767 ± 613	388 ± 510	505 ± 511	512 ± 449	574 ± 541
HLA-DR + c-myc	3712 ± 3965	1452 ± 1586	1787 ± 1319	2532 ± 1539	1957 ± 1389
HLA-DR + Collagen IV	1146 ± 1345	587 ± 1167	631 ± 1157	930 ± 1180	570 ± 1169
HLA-DR + FXIIIA	18 ± 26	11 ± 27	15 ± 26	19 ± 26	13 ± 26
HLA-DR + IL-22R	2768 ± 1806	2278 ± 2038	1970 ± 2144	2570 ± 2207	2569 ± 1810
HLA-DR + IL-23R	781 ± 821	754 ± 1315	229 ± 244	1102 ± 1912	392 ± 402
HLA-DR + Ki67	579 ± 749	403 ± 753	362 ± 766	521 ± 803	401 ± 751
HLA-DR + PI	3978 ± 3781	2126 ± 2470	2103 ± 2406	4474 ± 6096	2153 ± 2400
HLA-DR + Podoplanin	1093 ± 1793	616 ± 1595	624 ± 1592	1262 ± 2115	618 ± 1594
HLA-DR + SNA1	3331 ± 4247	950 ± 1408	889 ± 1345	1348 ± 1458	777 ± 1359
HLA-DR + STAT3	2972 ± 3624	1434 ± 1751	819 ± 646	1993 ± 2512	962 ± 752
HLA-DR + TIA1	51 ± 65	21 ± 53	26 ± 52	61 ± 102	26 ± 51
HLA-DR + Vimentin	3433 ± 3453	1878 ± 2783	2142 ± 2741	2964 ± 2970	2139 ± 2675

Tabelle 268: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + BCL2	1577 ± 2861	2712 ± 3609	1521 ± 2892	1535 ± 2885	1574 ± 2865
IL-22R + CCR6	43 ± 31	157 ± 330	35 ± 23	81 ± 134	170 ± 293
IL-22R + CD11a	96 ± 106	68 ± 113	68 ± 113	72 ± 111	80 ± 107
IL-22R + CD11b	41 ± 97	40 ± 97	40 ± 97	41 ± 97	40 ± 97
IL-22R + CD120a	202 ± 105	203 ± 164	139 ± 121	159 ± 114	343 ± 481
IL-22R + CD120b	5 ± 7	17 ± 29	5 ± 7	7 ± 7	6 ± 7
IL-22R + CD138	10171 ± 4861	8885 ± 5051	7270 ± 6459	7885 ± 5936	9452 ± 5243
IL-22R + CD15	25 ± 42	36 ± 44	25 ± 42	29 ± 40	27 ± 41
IL-22R + CD1a	663 ± 474	608 ± 393	325 ± 285	348 ± 273	759 ± 819
IL-22R + CD2	100 ± 102	71 ± 107	71 ± 107	78 ± 103	102 ± 101
IL-22R + CD207	562 ± 415	715 ± 624	479 ± 457	498 ± 451	665 ± 429
IL-22R + CD24	18 ± 45	18 ± 45	18 ± 45	19 ± 44	18 ± 45
IL-22R + CD28	45 ± 77	20 ± 26	15 ± 26	18 ± 25	16 ± 26
IL-22R + CD29	2566 ± 2922	3281 ± 2664	2365 ± 3085	2556 ± 2932	2941 ± 2709
IL-22R + CD3	67 ± 83	49 ± 84	49 ± 84	67 ± 79	61 ± 79
IL-22R + CD31	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	36 ± 42	22 ± 36	22 ± 36	26 ± 34	25 ± 35
IL-22R + CD44	4807 ± 3627	4914 ± 3609	4241 ± 4165	4751 ± 3764	5659 ± 3222
IL-22R + CD45	115 ± 136	50 ± 68	50 ± 68	69 ± 72	72 ± 74
IL-22R + CD45RA	22 ± 48	19 ± 49	19 ± 49	20 ± 49	19 ± 49
IL-22R + CD45RO	43 ± 69	16 ± 30	14 ± 30	18 ± 29	15 ± 30
IL-22R + CD52	6 ± 8	3 ± 4	3 ± 4	36 ± 88	6 ± 6
IL-22R + CD54	156 ± 275	96 ± 253	96 ± 253	104 ± 250	96 ± 253
IL-22R + CD56	7 ± 12	7 ± 12	8 ± 12	7 ± 12	7 ± 12
IL-22R + CD58	4937 ± 3212	5151 ± 3077	3767 ± 3878	3862 ± 3780	4603 ± 3238
IL-22R + CD62E	3 ± 5	3 ± 5	3 ± 5	4 ± 6	3 ± 5
IL-22R + CD62P	0 ± 0	1 ± 2	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	292 ± 394	374 ± 358	290 ± 396	307 ± 385	413 ± 350
IL-22R + CD7	59 ± 88	40 ± 92	41 ± 92	49 ± 91	43 ± 91
IL-22R + CD8a	52 ± 98	43 ± 101	43 ± 101	46 ± 100	57 ± 97
IL-22R + CK14	13689 ± 7966	11394 ± 8566	10022 ± 9759	10559 ± 9277	12890 ± 7877
IL-22R + CLA	245 ± 253	221 ± 264	202 ± 273	204 ± 272	364 ± 426
IL-22R + c-myc	5719 ± 4866	4671 ± 4055	3766 ± 3707	3634 ± 3822	5053 ± 3406
IL-22R + Collagen IV	40 ± 70	45 ± 67	39 ± 70	53 ± 67	54 ± 69
IL-22R + FXIIIA	11 ± 21	3 ± 4	3 ± 4	8 ± 13	3 ± 4
IL-22R + HLA-DR	2768 ± 1806	2278 ± 2038	1970 ± 2144	2570 ± 2207	2569 ± 1810
IL-22R + IL-23R	1858 ± 1198	1881 ± 1887	1189 ± 1298	1530 ± 1362	1760 ± 1632
IL-22R + Ki67	312 ± 312	380 ± 278	299 ± 326	309 ± 316	348 ± 281
IL-22R + PI	2042 ± 1753	2706 ± 1730	1858 ± 1927	2084 ± 1776	2556 ± 1536
IL-22R + Podoplanin	203 ± 488	193 ± 492	192 ± 492	297 ± 522	193 ± 492
IL-22R + SNA1	214 ± 191	224 ± 252	126 ± 181	147 ± 168	171 ± 161
IL-22R + STAT3	6223 ± 4512	5295 ± 3226	3488 ± 3549	3767 ± 3406	4435 ± 3575
IL-22R + TIA1	8 ± 9	13 ± 22	5 ± 9	6 ± 9	16 ± 19
IL-22R + Vimentin	674 ± 484	671 ± 482	563 ± 569	654 ± 519	919 ± 633

Tabelle 269: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-23R + BCL2	1061 ± 935	785 ± 799	698 ± 819	763 ± 783	662 ± 832
IL-23R + CCR6	82 ± 99	52 ± 86	53 ± 86	127 ± 194	159 ± 302
IL-23R + CD11a	29 ± 36	7 ± 11	7 ± 11	31 ± 53	10 ± 10
IL-23R + CD11b	18 ± 28	10 ± 26	10 ± 26	116 ± 275	10 ± 26
IL-23R + CD120a	213 ± 246	76 ± 63	68 ± 69	105 ± 60	132 ± 155
IL-23R + CD120b	2 ± 3	2 ± 2	1 ± 2	6 ± 13	1 ± 2
IL-23R + CD138	4375 ± 3112	4085 ± 4736	2246 ± 2323	3337 ± 2697	3110 ± 2668
IL-23R + CD15	17 ± 16	13 ± 17	13 ± 17	28 ± 33	13 ± 17
IL-23R + CD1a	357 ± 305	427 ± 664	168 ± 231	206 ± 212	339 ± 453
IL-23R + CD2	34 ± 44	19 ± 33	19 ± 33	41 ± 40	31 ± 41
IL-23R + CD207	265 ± 221	219 ± 238	162 ± 225	212 ± 209	249 ± 279
IL-23R + CD24	7 ± 9	3 ± 6	3 ± 6	89 ± 226	3 ± 6
IL-23R + CD28	13 ± 30	2 ± 3	2 ± 3	9 ± 19	2 ± 2
IL-23R + CD29	1099 ± 1285	1841 ± 3034	644 ± 1061	980 ± 982	745 ± 1024
IL-23R + CD3	16 ± 21	8 ± 14	8 ± 14	34 ± 42	11 ± 14
IL-23R + CD31	2 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
IL-23R + CD4	9 ± 12	5 ± 9	4 ± 9	35 ± 72	6 ± 9
IL-23R + CD44	1164 ± 1098	1841 ± 2959	667 ± 855	1246 ± 1242	901 ± 886
IL-23R + CD45	66 ± 114	19 ± 13	15 ± 15	59 ± 108	33 ± 44
IL-23R + CD45RA	2 ± 3	2 ± 3	2 ± 3	3 ± 5	2 ± 3
IL-23R + CD45RO	44 ± 89	8 ± 20	8 ± 20	143 ± 348	8 ± 20
IL-23R + CD52	8 ± 14	1 ± 2	2 ± 2	26 ± 62	3 ± 3
IL-23R + CD54	87 ± 161	27 ± 69	27 ± 69	142 ± 300	27 ± 69
IL-23R + CD56	5 ± 11	0 ± 0	3 ± 7	2 ± 5	0 ± 0
IL-23R + CD58	2004 ± 1703	2507 ± 3278	1204 ± 1637	1422 ± 1492	1574 ± 1594
IL-23R + CD62E	7 ± 11	3 ± 5	4 ± 5	34 ± 74	3 ± 5
IL-23R + CD62P	2 ± 2	1 ± 2	1 ± 2	12 ± 28	1 ± 2
IL-23R + CD68	126 ± 86	172 ± 172	101 ± 106	157 ± 88	160 ± 140
IL-23R + CD7	21 ± 34	7 ± 16	7 ± 16	24 ± 46	7 ± 16
IL-23R + CD8a	11 ± 12	5 ± 10	5 ± 10	11 ± 12	9 ± 14
IL-23R + CK14	5536 ± 5365	3771 ± 4685	2061 ± 1900	3830 ± 2727	2525 ± 2044
IL-23R + CLA	68 ± 86	33 ± 75	33 ± 75	49 ± 73	144 ± 289
IL-23R + c-myc	4374 ± 3422	1900 ± 2092	2151 ± 1895	2724 ± 1783	2415 ± 1917
IL-23R + Collagen IV	30 ± 63	7 ± 10	6 ± 10	108 ± 269	7 ± 9
IL-23R + FXIIIA	18 ± 32	5 ± 9	5 ± 9	13 ± 17	5 ± 9
IL-23R + HLA-DR	781 ± 821	754 ± 1315	229 ± 244	1102 ± 1912	392 ± 402
IL-23R + IL-22R	1858 ± 1198	1881 ± 1887	1189 ± 1298	1530 ± 1362	1760 ± 1632
IL-23R + Ki67	149 ± 168	126 ± 187	48 ± 44	69 ± 37	58 ± 39
IL-23R + PI	1218 ± 1457	1350 ± 2376	435 ± 505	838 ± 748	606 ± 593
IL-23R + Podoplanin	6 ± 10	3 ± 8	3 ± 8	108 ± 278	3 ± 8
IL-23R + SNA1	324 ± 652	181 ± 389	30 ± 39	86 ± 133	38 ± 38
IL-23R + STAT3	5032 ± 4758	3824 ± 4748	2078 ± 1903	3511 ± 2306	2590 ± 2178
IL-23R + TIA1	2 ± 3	0 ± 0	0 ± 0	62 ± 164	3 ± 7
IL-23R + Vimentin	316 ± 287	313 ± 417	150 ± 203	368 ± 361	310 ± 408

Tabelle 270: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	0 ± 0	1 ± 1	0 ± 1	0 ± 0
Ki67 + BCL2	515 ± 462	345 ± 378	202 ± 264	217 ± 254	207 ± 260
Ki67 + CCR6	9 ± 13	3 ± 5	2 ± 3	3 ± 5	4 ± 7
Ki67 + CD11a	32 ± 42	14 ± 30	14 ± 30	14 ± 30	16 ± 29
Ki67 + CD11b	8 ± 18	7 ± 18	7 ± 18	7 ± 18	7 ± 18
Ki67 + CD120a	23 ± 23	20 ± 21	17 ± 22	20 ± 22	23 ± 22
Ki67 + CD120b	1 ± 3	2 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + CD138	1513 ± 1457	952 ± 1064	721 ± 1072	788 ± 1043	812 ± 1031
Ki67 + CD15	0 ± 0	6 ± 17	0 ± 0	2 ± 4	0 ± 0
Ki67 + CD1a	42 ± 54	42 ± 54	24 ± 52	28 ± 52	32 ± 53
Ki67 + CD2	35 ± 43	17 ± 32	16 ± 33	17 ± 32	17 ± 32
Ki67 + CD207	57 ± 37	75 ± 63	41 ± 38	42 ± 38	54 ± 37
Ki67 + CD24	15 ± 39	15 ± 39	15 ± 39	15 ± 39	15 ± 39
Ki67 + CD28	11 ± 20	3 ± 6	3 ± 6	3 ± 6	3 ± 6
Ki67 + CD29	825 ± 793	605 ± 655	389 ± 638	406 ± 628	498 ± 595
Ki67 + CD3	32 ± 49	20 ± 48	20 ± 48	20 ± 48	21 ± 48
Ki67 + CD31	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	8 ± 14	5 ± 13	5 ± 12	5 ± 12	5 ± 13
Ki67 + CD44	1016 ± 946	650 ± 797	535 ± 841	614 ± 817	611 ± 800
Ki67 + CD45	27 ± 46	7 ± 12	7 ± 12	6 ± 12	6 ± 12
Ki67 + CD45RA	15 ± 25	9 ± 23	9 ± 23	9 ± 23	10 ± 23
Ki67 + CD45RO	26 ± 50	7 ± 17	7 ± 17	6 ± 17	7 ± 17
Ki67 + CD52	2 ± 3	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Ki67 + CD54	111 ± 190	60 ± 158	60 ± 158	62 ± 158	60 ± 158
Ki67 + CD56	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
Ki67 + CD58	402 ± 558	295 ± 487	247 ± 507	248 ± 506	249 ± 505
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD68	96 ± 110	137 ± 109	91 ± 111	100 ± 109	114 ± 101
Ki67 + CD7	38 ± 49	16 ± 40	16 ± 40	16 ± 40	16 ± 40
Ki67 + CD8a	25 ± 29	12 ± 26	12 ± 26	12 ± 26	14 ± 25
Ki67 + CK14	4188 ± 3824	3191 ± 3692	2617 ± 3976	2871 ± 3860	3135 ± 3705
Ki67 + CLA	59 ± 59	33 ± 57	32 ± 57	35 ± 56	43 ± 53
Ki67 + c-myc	323 ± 362	195 ± 215	125 ± 170	136 ± 164	133 ± 166
Ki67 + Collagen IV	52 ± 63	40 ± 49	23 ± 49	34 ± 47	25 ± 48
Ki67 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + HLA-DR	579 ± 749	403 ± 753	362 ± 766	521 ± 803	401 ± 751
Ki67 + IL-22R	312 ± 312	380 ± 278	299 ± 326	309 ± 316	348 ± 281
Ki67 + IL-23R	149 ± 168	126 ± 187	48 ± 44	69 ± 37	58 ± 39
Ki67 + PI	4182 ± 4095	3240 ± 4124	2763 ± 4369	3006 ± 4265	3168 ± 4151
Ki67 + Podoplanin	73 ± 122	35 ± 89	35 ± 89	40 ± 88	34 ± 89
Ki67 + SNA1	268 ± 479	97 ± 155	33 ± 60	42 ± 58	40 ± 59
Ki67 + STAT3	287 ± 302	405 ± 619	118 ± 169	118 ± 169	119 ± 168
Ki67 + TIA1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Ki67 + Vimentin	325 ± 377	274 ± 370	205 ± 383	236 ± 377	242 ± 372

Tabelle 271: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	4 ± 5	2 ± 4	57 ± 143	2 ± 4	2 ± 4
PI + BCL2	3644 ± 3050	3013 ± 3372	1627 ± 1797	1742 ± 1728	1789 ± 1685
PI + CCR6	102 ± 184	86 ± 158	66 ± 82	98 ± 134	84 ± 98
PI + CD11a	956 ± 1652	185 ± 287	190 ± 283	398 ± 518	226 ± 265
PI + CD11b	181 ± 206	84 ± 170	84 ± 170	130 ± 182	85 ± 169
PI + CD120a	163 ± 52	167 ± 134	129 ± 42	149 ± 64	248 ± 305
PI + CD120b	37 ± 61	21 ± 29	11 ± 22	27 ± 37	13 ± 22
PI + CD138	10904 ± 10462	6308 ± 3737	5735 ± 3203	7117 ± 5724	5258 ± 3630
PI + CD15	38 ± 69	45 ± 86	11 ± 17	48 ± 67	16 ± 17
PI + CD1a	322 ± 253	333 ± 267	173 ± 84	187 ± 86	248 ± 148
PI + CD2	1054 ± 1851	250 ± 340	269 ± 328	402 ± 363	299 ± 311
PI + CD207	452 ± 225	544 ± 514	391 ± 116	439 ± 257	399 ± 139
PI + CD24	48 ± 84	17 ± 41	17 ± 41	30 ± 47	17 ± 41
PI + CD28	547 ± 1301	39 ± 52	33 ± 55	52 ± 60	35 ± 54
PI + CD29	7223 ± 7301	4415 ± 4155	3743 ± 4100	4430 ± 3987	3955 ± 4016
PI + CD3	773 ± 1325	211 ± 393	218 ± 390	418 ± 510	246 ± 377
PI + CD31	23 ± 33	8 ± 10	8 ± 10	8 ± 10	8 ± 10
PI + CD4	540 ± 1179	69 ± 119	70 ± 119	203 ± 325	74 ± 117
PI + CD44	6717 ± 5991	4015 ± 2793	4899 ± 3799	5706 ± 3809	3866 ± 2607
PI + CD45	938 ± 2069	70 ± 84	77 ± 80	246 ± 443	85 ± 85
PI + CD45RA	206 ± 300	85 ± 166	86 ± 165	176 ± 248	95 ± 161
PI + CD45RO	759 ± 1724	59 ± 131	62 ± 130	140 ± 224	58 ± 132
PI + CD52	69 ± 152	9 ± 9	7 ± 10	141 ± 344	11 ± 12
PI + CD54	1313 ± 2924	182 ± 468	183 ± 468	342 ± 574	183 ± 468
PI + CD56	18 ± 19	7 ± 9	90 ± 216	17 ± 23	9 ± 9
PI + CD58	2970 ± 2647	3206 ± 2665	2080 ± 2846	2520 ± 2785	2192 ± 2766
PI + CD62E	5 ± 12	5 ± 12	5 ± 12	19 ± 38	5 ± 12
PI + CD62P	8 ± 22	9 ± 22	8 ± 22	15 ± 26	8 ± 22
PI + CD68	1395 ± 1191	1581 ± 1111	1393 ± 1156	1451 ± 1180	1543 ± 1061
PI + CD7	761 ± 1360	135 ± 271	165 ± 268	296 ± 392	141 ± 268
PI + CD8a	429 ± 471	187 ± 367	199 ± 362	258 ± 361	231 ± 352
PI + CK14	26454 ± 15658	18461 ± 10121	19500 ± 10573	23098 ± 10277	19826 ± 9576
PI + CLA	597 ± 574	303 ± 324	339 ± 311	375 ± 277	412 ± 286
PI + c-myc	3676 ± 2966	2864 ± 2969	2310 ± 1445	2590 ± 1877	2307 ± 1519
PI + Collagen IV	546 ± 494	418 ± 406	406 ± 389	780 ± 956	388 ± 416
PI + FXIIIA	8 ± 6	4 ± 5	21 ± 32	12 ± 16	11 ± 15
PI + HLA-DR	3978 ± 3781	2126 ± 2470	2103 ± 2406	4474 ± 6096	2153 ± 2400
PI + IL-22R	2042 ± 1753	2706 ± 1730	1858 ± 1927	2084 ± 1776	2556 ± 1536
PI + IL-23R	1218 ± 1457	1350 ± 2376	435 ± 505	838 ± 748	606 ± 593
PI + Ki67	4182 ± 4095	3240 ± 4124	2763 ± 4369	3006 ± 4265	3168 ± 4151
PI + Podoplanin	853 ± 1479	321 ± 804	369 ± 791	1056 ± 1959	323 ± 803
PI + SNA1	1968 ± 2815	563 ± 607	377 ± 355	768 ± 1012	337 ± 357
PI + STAT3	3726 ± 4159	4078 ± 4496	1775 ± 2414	2260 ± 2393	1760 ± 2443
PI + TIA1	39 ± 42	25 ± 34	29 ± 35	61 ± 91	28 ± 33
PI + Vimentin	3348 ± 3111	2028 ± 1603	2239 ± 1651	2731 ± 1736	2062 ± 1611

Tabelle 272: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	3 ± 9	3 ± 9	46 ± 112	4 ± 9	3 ± 9
Podoplanin + BCL2	138 ± 314	17 ± 36	16 ± 36	64 ± 126	16 ± 35
Podoplanin + CCR6	11 ± 16	4 ± 7	37 ± 84	78 ± 194	4 ± 7
Podoplanin + CD11a	75 ± 150	15 ± 39	15 ± 39	131 ± 303	15 ± 39
Podoplanin + CD11b	19 ± 40	16 ± 41	16 ± 41	25 ± 44	16 ± 41
Podoplanin + CD120a	6 ± 15	6 ± 15	6 ± 15	15 ± 27	6 ± 15
Podoplanin + CD120b	2 ± 3	1 ± 2	1 ± 2	50 ± 129	1 ± 2
Podoplanin + CD138	990 ± 1614	519 ± 1356	584 ± 1336	1963 ± 3818	525 ± 1353
Podoplanin + CD15	0 ± 0	0 ± 1	0 ± 0	7 ± 16	0 ± 0
Podoplanin + CD1a	9 ± 22	9 ± 23	9 ± 23	41 ± 84	9 ± 23
Podoplanin + CD2	52 ± 93	19 ± 49	19 ± 49	144 ± 326	19 ± 49
Podoplanin + CD207	5 ± 7	3 ± 5	3 ± 5	38 ± 90	3 ± 5
Podoplanin + CD24	62 ± 162	61 ± 162	61 ± 162	67 ± 161	61 ± 162
Podoplanin + CD28	19 ± 42	3 ± 7	3 ± 7	48 ± 116	3 ± 7
Podoplanin + CD29	1636 ± 2670	801 ± 2066	866 ± 2043	3105 ± 6082	807 ± 2063
Podoplanin + CD3	69 ± 119	30 ± 79	30 ± 79	414 ± 1003	30 ± 79
Podoplanin + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Podoplanin + CD4	40 ± 70	15 ± 39	15 ± 39	132 ± 304	15 ± 39
Podoplanin + CD44	2004 ± 3302	986 ± 2540	984 ± 2541	4182 ± 8415	984 ± 2541
Podoplanin + CD45	44 ± 95	6 ± 16	6 ± 16	397 ± 1032	6 ± 16
Podoplanin + CD45RA	24 ± 39	13 ± 33	13 ± 33	53 ± 107	13 ± 33
Podoplanin + CD45RO	24 ± 40	12 ± 32	13 ± 32	72 ± 152	12 ± 32
Podoplanin + CD52	4 ± 6	2 ± 4	2 ± 4	687 ± 1813	2 ± 4
Podoplanin + CD54	767 ± 1583	163 ± 430	163 ± 430	670 ± 1339	163 ± 430
Podoplanin + CD56	3 ± 6	1 ± 1	47 ± 123	15 ± 37	2 ± 3
Podoplanin + CD58	602 ± 1423	548 ± 1443	547 ± 1444	2582 ± 5337	547 ± 1444
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	61 ± 97	43 ± 86	38 ± 87	50 ± 88	39 ± 86
Podoplanin + CD7	55 ± 110	13 ± 33	14 ± 33	311 ± 780	13 ± 33
Podoplanin + CD8a	44 ± 76	28 ± 74	28 ± 74	84 ± 155	28 ± 74
Podoplanin + CK14	2670 ± 4388	1398 ± 3536	1451 ± 3516	6040 ± 12218	1392 ± 3539
Podoplanin + CLA	52 ± 89	28 ± 73	28 ± 73	63 ± 107	28 ± 73
Podoplanin + c-myc	426 ± 677	237 ± 580	291 ± 581	1144 ± 2396	230 ± 583
Podoplanin + Collagen IV	218 ± 345	133 ± 305	125 ± 308	663 ± 1410	127 ± 307
Podoplanin + FXIIIA	8 ± 16	7 ± 16	20 ± 35	8 ± 16	7 ± 16
Podoplanin + HLA-DR	1093 ± 1793	616 ± 1595	624 ± 1592	1262 ± 2115	618 ± 1594
Podoplanin + IL-22R	203 ± 488	193 ± 492	192 ± 492	297 ± 522	193 ± 492
Podoplanin + IL-23R	6 ± 10	3 ± 8	3 ± 8	108 ± 278	3 ± 8
Podoplanin + Ki67	73 ± 122	35 ± 89	35 ± 89	40 ± 88	34 ± 89
Podoplanin + PI	853 ± 1479	321 ± 804	369 ± 791	1056 ± 1959	323 ± 803
Podoplanin + SNA1	306 ± 428	156 ± 361	145 ± 365	910 ± 1990	150 ± 363
Podoplanin + STAT3	6 ± 15	0 ± 0	65 ± 171	36 ± 95	1 ± 1
Podoplanin + TIA1	7 ± 11	3 ± 8	5 ± 7	21 ± 45	3 ± 8
Podoplanin + Vimentin	385 ± 629	210 ± 523	213 ± 521	740 ± 1417	207 ± 524

Tabelle 273: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	7 ± 9	3 ± 7	4 ± 7	3 ± 7	3 ± 7
SNA1 + BCL2	641 ± 870	123 ± 76	113 ± 85	146 ± 96	110 ± 90
SNA1 + CCR6	78 ± 144	14 ± 26	16 ± 25	51 ± 81	18 ± 26
SNA1 + CD11a	794 ± 1355	89 ± 195	91 ± 194	263 ± 460	95 ± 192
SNA1 + CD11b	405 ± 501	156 ± 385	157 ± 384	273 ± 442	168 ± 380
SNA1 + CD120a	93 ± 92	35 ± 25	46 ± 25	65 ± 64	59 ± 47
SNA1 + CD120b	50 ± 77	14 ± 34	14 ± 34	36 ± 60	17 ± 34
SNA1 + CD138	3550 ± 5510	792 ± 1228	466 ± 770	680 ± 825	431 ± 784
SNA1 + CD15	81 ± 179	19 ± 20	12 ± 14	142 ± 242	12 ± 14
SNA1 + CD1a	178 ± 209	97 ± 125	74 ± 73	92 ± 113	63 ± 72
SNA1 + CD2	608 ± 1148	99 ± 181	103 ± 180	217 ± 329	109 ± 179
SNA1 + CD207	190 ± 257	72 ± 93	81 ± 71	84 ± 116	46 ± 28
SNA1 + CD24	75 ± 156	15 ± 40	18 ± 39	74 ± 149	15 ± 40
SNA1 + CD28	414 ± 959	20 ± 38	19 ± 38	43 ± 67	25 ± 40
SNA1 + CD29	6068 ± 7392	1995 ± 2160	1686 ± 1963	2471 ± 2703	1590 ± 1988
SNA1 + CD3	440 ± 828	62 ± 135	65 ± 135	312 ± 603	73 ± 132
SNA1 + CD31	65 ± 99	16 ± 20	16 ± 21	23 ± 23	18 ± 20
SNA1 + CD4	530 ± 1097	64 ± 133	66 ± 132	226 ± 418	72 ± 129
SNA1 + CD44	4449 ± 6065	1156 ± 1577	1163 ± 1506	1812 ± 2427	868 ± 1439
SNA1 + CD45	899 ± 1873	51 ± 97	59 ± 95	243 ± 509	53 ± 97
SNA1 + CD45RA	152 ± 259	34 ± 69	37 ± 68	86 ± 137	37 ± 67
SNA1 + CD45RO	707 ± 1543	50 ± 131	57 ± 129	174 ± 326	50 ± 131
SNA1 + CD52	78 ± 139	10 ± 20	10 ± 20	184 ± 444	10 ± 20
SNA1 + CD54	1127 ± 2447	149 ± 369	150 ± 368	356 ± 600	151 ± 368
SNA1 + CD56	30 ± 35	7 ± 8	10 ± 8	60 ± 138	14 ± 18
SNA1 + CD58	1329 ± 2291	464 ± 863	365 ± 876	772 ± 1267	371 ± 873
SNA1 + CD62E	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
SNA1 + CD62P	1 ± 2	2 ± 2	1 ± 2	1 ± 2	1 ± 2
SNA1 + CD68	630 ± 566	592 ± 445	502 ± 464	462 ± 480	512 ± 455
SNA1 + CD7	518 ± 973	39 ± 92	58 ± 99	206 ± 399	43 ± 91
SNA1 + CD8a	255 ± 329	68 ± 119	66 ± 120	114 ± 134	79 ± 117
SNA1 + CK14	8637 ± 9122	3842 ± 2558	4055 ± 2738	4963 ± 3299	3679 ± 2286
SNA1 + CLA	317 ± 422	71 ± 120	93 ± 122	147 ± 186	100 ± 115
SNA1 + c-myc	7156 ± 6838	2670 ± 2984	3061 ± 2720	5431 ± 5274	3151 ± 2686
SNA1 + Collagen IV	4244 ± 3550	2452 ± 2427	3174 ± 2940	4215 ± 4179	2561 ± 2415
SNA1 + FXIIIA	26 ± 52	22 ± 53	25 ± 52	28 ± 53	26 ± 52
SNA1 + HLA-DR	3331 ± 4247	950 ± 1408	889 ± 1345	1348 ± 1458	777 ± 1359
SNA1 + IL-22R	214 ± 191	224 ± 252	126 ± 181	147 ± 168	171 ± 161
SNA1 + IL-23R	324 ± 652	181 ± 389	30 ± 39	86 ± 133	38 ± 38
SNA1 + Ki67	268 ± 479	97 ± 155	33 ± 60	42 ± 58	40 ± 59
SNA1 + PI	1968 ± 2815	563 ± 607	377 ± 355	768 ± 1012	337 ± 357
SNA1 + Podoplanin	306 ± 428	156 ± 361	145 ± 365	910 ± 1990	150 ± 363
SNA1 + STAT3	513 ± 1028	526 ± 1338	33 ± 41	55 ± 95	20 ± 18
SNA1 + TIA1	37 ± 53	8 ± 20	9 ± 19	91 ± 214	10 ± 19
SNA1 + Vimentin	2096 ± 2358	908 ± 1065	867 ± 972	1144 ± 1281	724 ± 958

Tabelle 274: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	1 ± 3	0 ± 1	76 ± 201	0 ± 1	0 ± 1
STAT3 + BCL2	2071 ± 2014	3385 ± 4816	1398 ± 2038	1385 ± 2047	1349 ± 2067
STAT3 + CCR6	106 ± 114	208 ± 411	115 ± 174	116 ± 162	174 ± 339
STAT3 + CD11a	110 ± 184	9 ± 12	9 ± 12	13 ± 11	13 ± 13
STAT3 + CD11b	121 ± 290	8 ± 14	8 ± 14	297 ± 762	8 ± 14
STAT3 + CD120a	242 ± 313	141 ± 160	76 ± 109	94 ± 101	204 ± 333
STAT3 + CD120b	5 ± 6	13 ± 24	3 ± 4	4 ± 4	3 ± 4
STAT3 + CD138	17150 ± 16287	10932 ± 7018	7401 ± 6265	8885 ± 5646	8078 ± 6702
STAT3 + CD15	125 ± 287	21 ± 21	14 ± 18	36 ± 52	14 ± 18
STAT3 + CD1a	1218 ± 1437	822 ± 767	369 ± 375	401 ± 346	713 ± 1019
STAT3 + CD2	125 ± 224	16 ± 26	15 ± 26	52 ± 63	37 ± 55
STAT3 + CD207	698 ± 654	757 ± 866	441 ± 485	510 ± 477	469 ± 521
STAT3 + CD24	93 ± 238	3 ± 7	3 ± 7	192 ± 498	3 ± 7
STAT3 + CD28	81 ± 193	2 ± 2	2 ± 2	2 ± 2	2 ± 2
STAT3 + CD29	2524 ± 3044	4149 ± 4976	1982 ± 2982	2048 ± 2939	1901 ± 2995
STAT3 + CD3	63 ± 127	7 ± 12	7 ± 12	34 ± 42	14 ± 18
STAT3 + CD31	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD4	32 ± 68	4 ± 4	3 ± 3	7 ± 7	3 ± 3
STAT3 + CD44	3644 ± 3146	3657 ± 3470	2237 ± 1586	2974 ± 1582	2424 ± 1672
STAT3 + CD45	210 ± 446	17 ± 18	14 ± 17	20 ± 19	31 ± 47
STAT3 + CD45RA	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
STAT3 + CD45RO	157 ± 371	3 ± 7	4 ± 8	178 ± 459	5 ± 8
STAT3 + CD52	21 ± 40	3 ± 3	2 ± 2	17 ± 39	3 ± 4
STAT3 + CD54	233 ± 534	13 ± 34	13 ± 34	22 ± 37	13 ± 34
STAT3 + CD56	11 ± 18	2 ± 4	121 ± 307	2 ± 4	2 ± 4
STAT3 + CD58	6885 ± 6817	5983 ± 5033	3422 ± 4928	3503 ± 4872	4027 ± 4775
STAT3 + CD62E	9 ± 11	5 ± 7	6 ± 7	41 ± 87	5 ± 7
STAT3 + CD62P	5 ± 11	5 ± 11	4 ± 11	16 ± 31	4 ± 11
STAT3 + CD68	179 ± 311	378 ± 407	175 ± 313	189 ± 306	203 ± 309
STAT3 + CD7	167 ± 337	7 ± 13	7 ± 13	27 ± 50	8 ± 13
STAT3 + CD8a	50 ± 78	6 ± 9	5 ± 9	12 ± 13	17 ± 29
STAT3 + CK14	20507 ± 21029	10876 ± 7114	8053 ± 5756	12374 ± 10486	8011 ± 6431
STAT3 + CLA	236 ± 339	158 ± 329	129 ± 333	152 ± 327	268 ± 452
STAT3 + c-myc	10573 ± 12262	6199 ± 6046	5419 ± 3324	4603 ± 3479	4549 ± 3652
STAT3 + Collagen IV	29 ± 77	96 ± 254	21 ± 57	0 ± 1	0 ± 0
STAT3 + FXIIIA	17 ± 38	3 ± 5	17 ± 37	11 ± 16	3 ± 5
STAT3 + HLA-DR	2972 ± 3624	1434 ± 1751	819 ± 646	1993 ± 2512	962 ± 752
STAT3 + IL-22R	6223 ± 4512	5295 ± 3226	3488 ± 3549	3767 ± 3406	4435 ± 3575
STAT3 + IL-23R	5032 ± 4758	3824 ± 4748	2078 ± 1903	3511 ± 2306	2590 ± 2178
STAT3 + Ki67	287 ± 302	405 ± 619	118 ± 169	118 ± 169	119 ± 168
STAT3 + PI	3726 ± 4159	4078 ± 4496	1775 ± 2414	2260 ± 2393	1760 ± 2443
STAT3 + Podoplanin	6 ± 15	0 ± 0	65 ± 171	36 ± 95	1 ± 1
STAT3 + SNA1	513 ± 1028	526 ± 1338	33 ± 41	55 ± 95	20 ± 18
STAT3 + TIA1	10 ± 17	12 ± 29	4 ± 4	142 ± 371	8 ± 18
STAT3 + Vimentin	492 ± 444	626 ± 867	249 ± 236	376 ± 276	394 ± 494

Tabelle 275: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	0 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
TIA1 + BCL2	17 ± 18	21 ± 30	10 ± 16	13 ± 16	11 ± 16
TIA1 + CCR6	7 ± 12	4 ± 5	4 ± 5	5 ± 5	3 ± 5
TIA1 + CD11a	59 ± 64	24 ± 49	26 ± 48	53 ± 81	30 ± 48
TIA1 + CD11b	30 ± 47	13 ± 34	13 ± 34	237 ± 588	13 ± 34
TIA1 + CD120a	3 ± 8	1 ± 1	0 ± 1	3 ± 7	1 ± 1
TIA1 + CD120b	5 ± 7	2 ± 5	2 ± 5	5 ± 9	2 ± 5
TIA1 + CD138	29 ± 36	23 ± 35	19 ± 28	18 ± 27	25 ± 31
TIA1 + CD15	5 ± 8	3 ± 7	3 ± 7	76 ± 193	3 ± 7
TIA1 + CD1a	0 ± 0	3 ± 8	0 ± 1	2 ± 4	4 ± 7
TIA1 + CD2	63 ± 76	36 ± 71	41 ± 69	64 ± 86	45 ± 69
TIA1 + CD207	0 ± 1	2 ± 4	1 ± 1	7 ± 17	1 ± 2
TIA1 + CD24	3 ± 6	1 ± 1	1 ± 1	132 ± 348	1 ± 1
TIA1 + CD28	5 ± 8	1 ± 3	1 ± 3	5 ± 10	2 ± 3
TIA1 + CD29	38 ± 40	23 ± 34	24 ± 33	46 ± 68	22 ± 33
TIA1 + CD3	45 ± 55	28 ± 56	31 ± 55	62 ± 93	36 ± 55
TIA1 + CD31	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
TIA1 + CD4	12 ± 21	2 ± 5	2 ± 5	9 ± 19	2 ± 4
TIA1 + CD44	55 ± 69	27 ± 58	31 ± 59	79 ± 142	34 ± 57
TIA1 + CD45	35 ± 47	7 ± 15	10 ± 15	42 ± 92	9 ± 15
TIA1 + CD45RA	24 ± 26	17 ± 28	18 ± 28	22 ± 27	18 ± 28
TIA1 + CD45RO	21 ± 30	3 ± 8	3 ± 8	113 ± 290	3 ± 8
TIA1 + CD52	9 ± 10	3 ± 5	3 ± 5	31 ± 75	3 ± 5
TIA1 + CD54	19 ± 26	7 ± 19	7 ± 19	20 ± 35	7 ± 19
TIA1 + CD56	5 ± 11	4 ± 11	5 ± 11	7 ± 12	4 ± 11
TIA1 + CD58	29 ± 46	28 ± 49	23 ± 47	35 ± 57	26 ± 46
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	6 ± 16	0 ± 0
TIA1 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + CD68	28 ± 42	24 ± 44	26 ± 43	27 ± 42	26 ± 42
TIA1 + CD7	47 ± 60	26 ± 56	31 ± 55	55 ± 77	27 ± 56
TIA1 + CD8a	63 ± 74	37 ± 75	42 ± 73	63 ± 87	46 ± 73
TIA1 + CK14	89 ± 92	56 ± 87	65 ± 89	117 ± 170	71 ± 84
TIA1 + CLA	40 ± 44	24 ± 45	32 ± 45	47 ± 63	33 ± 44
TIA1 + c-myc	35 ± 50	25 ± 38	20 ± 30	77 ± 163	24 ± 31
TIA1 + Collagen IV	14 ± 20	9 ± 19	9 ± 19	45 ± 93	11 ± 19
TIA1 + FXIIIA	0 ± 0	0 ± 0	1 ± 2	2 ± 6	0 ± 0
TIA1 + HLA-DR	51 ± 65	21 ± 53	26 ± 52	61 ± 102	26 ± 51
TIA1 + IL-22R	8 ± 9	13 ± 22	5 ± 9	6 ± 9	16 ± 19
TIA1 + IL-23R	2 ± 3	0 ± 0	0 ± 0	62 ± 164	3 ± 7
TIA1 + Ki67	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
TIA1 + PI	39 ± 42	25 ± 34	29 ± 35	61 ± 91	28 ± 33
TIA1 + Podoplanin	7 ± 11	3 ± 8	5 ± 7	21 ± 45	3 ± 8
TIA1 + SNA1	37 ± 53	8 ± 20	9 ± 19	91 ± 214	10 ± 19
TIA1 + STAT3	10 ± 17	12 ± 29	4 ± 4	142 ± 371	8 ± 18
TIA1 + Vimentin	65 ± 95	41 ± 93	46 ± 92	56 ± 91	46 ± 91

Tabelle 276: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Non-Responder identifizierten n=2 Patienten (Epidermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	5 ± 6	4 ± 6	9 ± 13	4 ± 6	4 ± 6
Vimentin + BCL2	1190 ± 1135	537 ± 313	481 ± 279	622 ± 258	483 ± 269
Vimentin + CCR6	151 ± 259	49 ± 69	63 ± 65	189 ± 234	87 ± 102
Vimentin + CD11a	891 ± 1365	262 ± 538	271 ± 534	448 ± 627	278 ± 530
Vimentin + CD11b	343 ± 636	266 ± 659	266 ± 659	277 ± 654	269 ± 657
Vimentin + CD120a	270 ± 124	182 ± 122	240 ± 137	245 ± 89	300 ± 253
Vimentin + CD120b	46 ± 71	20 ± 50	20 ± 50	32 ± 54	22 ± 49
Vimentin + CD138	3186 ± 3492	1638 ± 1823	1780 ± 1806	2118 ± 1888	1806 ± 1951
Vimentin + CD15	36 ± 73	85 ± 138	35 ± 73	95 ± 153	39 ± 71
Vimentin + CD1a	701 ± 524	468 ± 288	511 ± 368	494 ± 290	640 ± 480
Vimentin + CD2	1104 ± 1731	375 ± 722	407 ± 709	556 ± 726	425 ± 701
Vimentin + CD207	719 ± 396	521 ± 126	685 ± 385	733 ± 350	692 ± 300
Vimentin + CD24	27 ± 69	26 ± 69	26 ± 69	29 ± 68	26 ± 69
Vimentin + CD28	434 ± 924	62 ± 122	61 ± 122	84 ± 124	65 ± 121
Vimentin + CD29	3535 ± 3261	2081 ± 2089	2063 ± 2079	2442 ± 2081	1975 ± 2089
Vimentin + CD3	732 ± 1119	274 ± 590	285 ± 585	489 ± 669	297 ± 579
Vimentin + CD31	35 ± 47	8 ± 17	8 ± 18	10 ± 17	10 ± 18
Vimentin + CD4	475 ± 869	116 ± 245	120 ± 243	297 ± 464	124 ± 241
Vimentin + CD44	3597 ± 3802	2039 ± 2830	2619 ± 2998	3091 ± 2954	2157 ± 2762
Vimentin + CD45	994 ± 2023	130 ± 203	154 ± 196	280 ± 400	161 ± 204
Vimentin + CD45RA	205 ± 311	110 ± 268	111 ± 267	160 ± 273	111 ± 267
Vimentin + CD45RO	847 ± 1740	123 ± 316	135 ± 312	217 ± 355	124 ± 315
Vimentin + CD52	83 ± 172	14 ± 29	13 ± 29	107 ± 235	19 ± 29
Vimentin + CD54	1135 ± 2008	402 ± 1054	402 ± 1054	675 ± 1173	403 ± 1053
Vimentin + CD56	23 ± 24	12 ± 22	24 ± 32	37 ± 62	12 ± 22
Vimentin + CD58	1336 ± 1556	1072 ± 1578	1002 ± 1615	1252 ± 1687	1080 ± 1584
Vimentin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Vimentin + CD62P	2 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Vimentin + CD68	1870 ± 1393	1849 ± 1294	1783 ± 1337	1856 ± 1370	2066 ± 1276
Vimentin + CD7	670 ± 1048	198 ± 453	241 ± 446	370 ± 557	205 ± 449
Vimentin + CD8a	373 ± 501	193 ± 457	198 ± 455	239 ± 448	211 ± 450
Vimentin + CK14	6891 ± 5543	4726 ± 4916	5461 ± 5111	6599 ± 5198	5241 ± 4876
Vimentin + CLA	776 ± 748	426 ± 599	530 ± 611	501 ± 561	638 ± 680
Vimentin + c-myc	1903 ± 1695	1099 ± 1521	1155 ± 1481	1862 ± 2068	1300 ± 1436
Vimentin + Collagen IV	889 ± 957	734 ± 953	736 ± 948	994 ± 1194	688 ± 976
Vimentin + FXIIIA	16 ± 29	13 ± 30	21 ± 30	25 ± 39	14 ± 29
Vimentin + HLA-DR	3433 ± 3453	1878 ± 2783	2142 ± 2741	2964 ± 2970	2139 ± 2675
Vimentin + IL-22R	674 ± 484	671 ± 482	563 ± 569	654 ± 519	919 ± 633
Vimentin + IL-23R	316 ± 287	313 ± 417	150 ± 203	368 ± 361	310 ± 408
Vimentin + Ki67	325 ± 377	274 ± 370	205 ± 383	236 ± 377	242 ± 372
Vimentin + PI	3348 ± 3111	2028 ± 1603	2239 ± 1651	2731 ± 1736	2062 ± 1611
Vimentin + Podoplanin	385 ± 629	210 ± 523	213 ± 521	740 ± 1417	207 ± 524
Vimentin + SNA1	2096 ± 2358	908 ± 1065	867 ± 972	1144 ± 1281	724 ± 958
Vimentin + STAT3	492 ± 444	626 ± 867	249 ± 236	376 ± 276	394 ± 494
Vimentin + TIA1	65 ± 95	41 ± 93	46 ± 92	56 ± 91	46 ± 91

1.1.7 Duale Koexpression der dermalen Kapillaren für alle Patienten

Tabelle 277: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	134 ± 168	24 ± 31	481 ± 1071	18 ± 29	99 ± 233
Aktin + CCR6	51 ± 73	24 ± 45	15 ± 15	21 ± 30	16 ± 20
Aktin + CD11a	247 ± 322	72 ± 86	60 ± 73	69 ± 129	96 ± 165
Aktin + CD11b	194 ± 160	205 ± 339	114 ± 122	169 ± 247	441 ± 655
Aktin + CD120a	3 ± 3	2 ± 3	2 ± 3	2 ± 3	3 ± 4
Aktin + CD120b	32 ± 40	30 ± 36	10 ± 11	8 ± 10	61 ± 158
Aktin + CD138	30 ± 52	21 ± 48	12 ± 16	9 ± 15	7 ± 15
Aktin + CD15	67 ± 88	48 ± 59	24 ± 43	48 ± 79	44 ± 55
Aktin + CD1a	1 ± 3	25 ± 77	0 ± 0	0 ± 0	1 ± 5
Aktin + CD2	482 ± 602	97 ± 136	89 ± 110	66 ± 70	526 ± 884
Aktin + CD207	4 ± 9	16 ± 50	0 ± 1	0 ± 1	1 ± 2
Aktin + CD24	25 ± 40	21 ± 22	30 ± 45	10 ± 14	20 ± 23
Aktin + CD28	455 ± 609	33 ± 47	50 ± 101	94 ± 175	241 ± 430
Aktin + CD29	7091 ± 3564	3905 ± 3297	6387 ± 3641	4907 ± 3445	5338 ± 3533
Aktin + CD3	575 ± 648	391 ± 394	309 ± 369	359 ± 663	682 ± 867
Aktin + CD31	4613 ± 2582	2754 ± 2061	3986 ± 2783	3657 ± 2904	4188 ± 2965
Aktin + CD4	1631 ± 1510	816 ± 1113	835 ± 1091	1009 ± 1601	1639 ± 1750
Aktin + CD44	1118 ± 1220	1195 ± 1116	995 ± 605	1148 ± 971	1219 ± 1282
Aktin + CD45	247 ± 285	42 ± 48	30 ± 27	33 ± 59	110 ± 180
Aktin + CD45RA	123 ± 140	110 ± 102	51 ± 23	59 ± 65	66 ± 63
Aktin + CD45RO	82 ± 139	20 ± 38	26 ± 16	26 ± 41	70 ± 137
Aktin + CD52	670 ± 809	102 ± 159	104 ± 204	254 ± 662	469 ± 1007
Aktin + CD54	6094 ± 3222	3381 ± 2667	4918 ± 3064	4071 ± 3180	4673 ± 3064
Aktin + CD56	257 ± 432	88 ± 136	88 ± 144	72 ± 135	86 ± 156
Aktin + CD58	1155 ± 860	1100 ± 1067	697 ± 684	879 ± 764	1401 ± 1856
Aktin + CD62E	978 ± 1004	248 ± 323	958 ± 1426	556 ± 885	687 ± 781
Aktin + CD62P	2609 ± 1892	1438 ± 1391	2402 ± 1610	2100 ± 1821	2270 ± 1468
Aktin + CD68	1590 ± 1551	897 ± 745	1418 ± 891	1166 ± 1047	1339 ± 916
Aktin + CD7	220 ± 363	125 ± 193	99 ± 124	162 ± 250	166 ± 266
Aktin + CD8a	67 ± 64	86 ± 124	43 ± 41	50 ± 55	72 ± 98
Aktin + CK14	6 ± 18	2 ± 8	1 ± 4	0 ± 1	0 ± 0
Aktin + CLA	37 ± 52	26 ± 39	31 ± 46	17 ± 23	36 ± 70
Aktin + c-myc	2067 ± 3710	580 ± 1308	1881 ± 2792	645 ± 1380	502 ± 1326
Aktin + Collagen IV	4884 ± 2591	3257 ± 2488	5324 ± 3114	4525 ± 3247	4476 ± 3313
Aktin + FXIIIA	138 ± 126	142 ± 138	240 ± 420	107 ± 103	367 ± 601
Aktin + HLA-DR	3393 ± 1652	2589 ± 1703	2799 ± 1582	2950 ± 2543	2705 ± 2052
Aktin + IL-22R	1 ± 3	6 ± 16	1 ± 3	2 ± 3	2 ± 4
Aktin + IL-23R	63 ± 128	77 ± 242	21 ± 46	6 ± 5	147 ± 276
Aktin + Ki67	4 ± 10	0 ± 0	5 ± 11	0 ± 0	0 ± 0
Aktin + PI	3375 ± 1715	2153 ± 1456	2869 ± 1758	2619 ± 2181	3001 ± 2029
Aktin + Podoplanin	154 ± 224	128 ± 164	91 ± 154	25 ± 45	28 ± 45
Aktin + SNA1	5930 ± 3674	3627 ± 2525	5637 ± 3403	4281 ± 3039	4351 ± 2993
Aktin + STAT3	58 ± 83	63 ± 73	28 ± 23	23 ± 27	27 ± 31
Aktin + TIA1	116 ± 173	69 ± 59	92 ± 75	76 ± 86	136 ± 242
Aktin + Vimentin	3363 ± 1861	1764 ± 1358	2879 ± 1793	2547 ± 1675	1846 ± 1531

Tabelle 278: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	134 ± 168	24 ± 31	481 ± 1071	18 ± 29	99 ± 233
BCL2 + CCR6	17 ± 25	7 ± 12	11 ± 13	13 ± 14	18 ± 27
BCL2 + CD11a	82 ± 105	24 ± 26	61 ± 83	29 ± 25	94 ± 156
BCL2 + CD11b	17 ± 20	17 ± 23	28 ± 44	15 ± 15	57 ± 77
BCL2 + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 4
BCL2 + CD120b	12 ± 22	2 ± 3	4 ± 7	3 ± 3	65 ± 157
BCL2 + CD138	1 ± 3	2 ± 8	2 ± 6	0 ± 1	0 ± 1
BCL2 + CD15	2 ± 4	2 ± 4	0 ± 1	3 ± 7	1 ± 1
BCL2 + CD1a	1 ± 3	0 ± 0	0 ± 0	0 ± 0	5 ± 17
BCL2 + CD2	110 ± 125	30 ± 34	60 ± 59	35 ± 34	174 ± 373
BCL2 + CD207	2 ± 4	0 ± 1	1 ± 1	0 ± 1	9 ± 27
BCL2 + CD24	0 ± 1	0 ± 0	4 ± 8	1 ± 1	0 ± 0
BCL2 + CD28	90 ± 105	14 ± 25	49 ± 92	24 ± 26	131 ± 296
BCL2 + CD29	212 ± 251	44 ± 46	575 ± 1206	44 ± 44	136 ± 242
BCL2 + CD3	98 ± 122	30 ± 29	97 ± 174	34 ± 29	156 ± 323
BCL2 + CD31	155 ± 198	32 ± 35	510 ± 1094	32 ± 33	140 ± 261
BCL2 + CD4	130 ± 162	33 ± 35	88 ± 99	36 ± 31	189 ± 364
BCL2 + CD44	72 ± 120	35 ± 36	92 ± 157	36 ± 31	62 ± 59
BCL2 + CD45	80 ± 110	22 ± 23	44 ± 40	29 ± 21	104 ± 202
BCL2 + CD45RA	21 ± 27	10 ± 13	14 ± 24	9 ± 9	26 ± 43
BCL2 + CD45RO	49 ± 81	10 ± 14	30 ± 38	16 ± 20	101 ± 229
BCL2 + CD52	82 ± 104	17 ± 22	54 ± 119	23 ± 24	133 ± 325
BCL2 + CD54	211 ± 276	43 ± 35	476 ± 985	43 ± 35	129 ± 193
BCL2 + CD56	9 ± 18	1 ± 1	5 ± 10	0 ± 1	1 ± 2
BCL2 + CD58	75 ± 84	22 ± 32	77 ± 153	21 ± 28	152 ± 340
BCL2 + CD62E	39 ± 71	1 ± 2	303 ± 738	2 ± 2	9 ± 18
BCL2 + CD62P	48 ± 79	6 ± 12	284 ± 673	7 ± 13	21 ± 33
BCL2 + CD68	138 ± 205	36 ± 44	308 ± 606	30 ± 44	79 ± 100
BCL2 + CD7	62 ± 98	14 ± 12	36 ± 40	23 ± 17	77 ± 152
BCL2 + CD8a	20 ± 21	12 ± 16	17 ± 16	15 ± 14	66 ± 136
BCL2 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
BCL2 + CLA	26 ± 45	9 ± 11	14 ± 16	10 ± 9	21 ± 22
BCL2 + c-myc	54 ± 81	16 ± 30	393 ± 959	11 ± 29	14 ± 30
BCL2 + Collagen IV	110 ± 110	29 ± 35	404 ± 834	27 ± 33	77 ± 127
BCL2 + FXIIIA	9 ± 13	7 ± 13	108 ± 269	7 ± 13	32 ± 30
BCL2 + HLA-DR	135 ± 172	44 ± 41	211 ± 384	43 ± 42	92 ± 95
BCL2 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
BCL2 + IL-23R	14 ± 28	8 ± 21	16 ± 44	2 ± 3	15 ± 36
BCL2 + Ki67	2 ± 4	0 ± 0	3 ± 9	0 ± 1	4 ± 13
BCL2 + PI	232 ± 295	58 ± 54	481 ± 921	52 ± 55	177 ± 290
BCL2 + Podoplanin	68 ± 116	17 ± 26	64 ± 141	22 ± 24	27 ± 33
BCL2 + SNA1	156 ± 162	36 ± 35	512 ± 1100	30 ± 33	67 ± 72
BCL2 + STAT3	3 ± 4	3 ± 7	4 ± 6	1 ± 2	3 ± 7
BCL2 + TIA1	9 ± 8	5 ± 5	5 ± 5	6 ± 6	12 ± 24
BCL2 + Vimentin	176 ± 194	48 ± 42	377 ± 767	48 ± 41	66 ± 42

Tabelle 279: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	51 ± 73	24 ± 45	15 ± 15	21 ± 30	16 ± 20
CCR6 + BCL2	17 ± 25	7 ± 12	11 ± 13	13 ± 14	18 ± 27
CCR6 + CD11a	55 ± 72	21 ± 43	33 ± 39	57 ± 75	47 ± 59
CCR6 + CD11b	24 ± 28	20 ± 29	20 ± 29	33 ± 40	34 ± 27
CCR6 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CCR6 + CD120b	9 ± 8	6 ± 11	4 ± 6	8 ± 9	15 ± 26
CCR6 + CD138	26 ± 44	23 ± 54	13 ± 18	6 ± 15	7 ± 15
CCR6 + CD15	14 ± 23	20 ± 42	8 ± 15	8 ± 16	7 ± 15
CCR6 + CD1a	1 ± 2	1 ± 4	0 ± 0	1 ± 4	0 ± 0
CCR6 + CD2	52 ± 70	22 ± 45	30 ± 42	53 ± 61	54 ± 67
CCR6 + CD207	6 ± 9	1 ± 2	1 ± 2	6 ± 16	1 ± 2
CCR6 + CD24	5 ± 8	5 ± 10	4 ± 4	6 ± 11	2 ± 2
CCR6 + CD28	48 ± 64	19 ± 42	25 ± 41	45 ± 55	46 ± 64
CCR6 + CD29	94 ± 103	43 ± 50	43 ± 33	57 ± 66	40 ± 35
CCR6 + CD3	64 ± 73	29 ± 50	37 ± 46	72 ± 89	59 ± 72
CCR6 + CD31	33 ± 51	8 ± 9	9 ± 10	21 ± 31	16 ± 20
CCR6 + CD4	60 ± 76	28 ± 53	37 ± 49	59 ± 63	63 ± 75
CCR6 + CD44	106 ± 108	52 ± 62	59 ± 47	96 ± 100	75 ± 62
CCR6 + CD45	60 ± 73	22 ± 42	33 ± 38	59 ± 70	46 ± 52
CCR6 + CD45RA	56 ± 75	40 ± 74	31 ± 37	26 ± 34	28 ± 32
CCR6 + CD45RO	56 ± 73	30 ± 50	27 ± 29	41 ± 52	40 ± 58
CCR6 + CD52	56 ± 75	29 ± 53	27 ± 44	55 ± 87	46 ± 70
CCR6 + CD54	95 ± 109	30 ± 46	36 ± 43	69 ± 82	56 ± 61
CCR6 + CD56	39 ± 57	33 ± 66	25 ± 35	18 ± 32	19 ± 31
CCR6 + CD58	29 ± 34	23 ± 39	15 ± 19	21 ± 20	28 ± 43
CCR6 + CD62E	14 ± 27	4 ± 8	4 ± 8	4 ± 4	3 ± 3
CCR6 + CD62P	26 ± 46	8 ± 11	6 ± 7	11 ± 18	5 ± 6
CCR6 + CD68	48 ± 58	26 ± 34	27 ± 33	25 ± 33	31 ± 30
CCR6 + CD7	36 ± 52	13 ± 26	19 ± 25	46 ± 67	30 ± 36
CCR6 + CD8a	12 ± 10	7 ± 10	10 ± 9	18 ± 20	19 ± 18
CCR6 + CK14	5 ± 18	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CCR6 + CLA	22 ± 32	8 ± 11	10 ± 10	22 ± 31	16 ± 18
CCR6 + c-myc	48 ± 68	32 ± 77	20 ± 28	8 ± 22	10 ± 22
CCR6 + Collagen IV	22 ± 19	14 ± 17	16 ± 13	40 ± 62	24 ± 32
CCR6 + FXIIIA	36 ± 53	33 ± 69	24 ± 34	15 ± 28	23 ± 26
CCR6 + HLA-DR	129 ± 116	72 ± 83	72 ± 54	100 ± 101	75 ± 57
CCR6 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + IL-23R	1 ± 3	1 ± 3	1 ± 2	0 ± 1	2 ± 2
CCR6 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + PI	84 ± 87	32 ± 44	41 ± 38	61 ± 72	50 ± 52
CCR6 + Podoplanin	102 ± 110	62 ± 85	60 ± 54	73 ± 66	59 ± 54
CCR6 + SNA1	78 ± 80	42 ± 53	39 ± 28	53 ± 68	39 ± 29
CCR6 + STAT3	35 ± 58	31 ± 71	20 ± 28	10 ± 23	11 ± 23
CCR6 + TIA1	33 ± 45	28 ± 56	21 ± 32	17 ± 31	18 ± 30
CCR6 + Vimentin	105 ± 107	51 ± 65	50 ± 40	72 ± 81	55 ± 48

Tabelle 280: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	247 ± 322	72 ± 86	60 ± 73	69 ± 129	96 ± 165
CD11a + BCL2	82 ± 105	24 ± 26	61 ± 83	29 ± 25	94 ± 156
CD11a + CCR6	55 ± 72	21 ± 43	33 ± 39	57 ± 75	47 ± 59
CD11a + CD11b	163 ± 125	121 ± 104	96 ± 72	119 ± 68	217 ± 149
CD11a + CD120a	2 ± 3	1 ± 1	2 ± 4	1 ± 2	4 ± 13
CD11a + CD120b	84 ± 88	16 ± 20	35 ± 49	27 ± 33	125 ± 255
CD11a + CD138	3 ± 6	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD11a + CD15	26 ± 63	3 ± 6	4 ± 6	9 ± 21	3 ± 6
CD11a + CD1a	3 ± 8	6 ± 16	1 ± 2	5 ± 13	11 ± 27
CD11a + CD2	636 ± 530	204 ± 208	330 ± 268	281 ± 217	444 ± 423
CD11a + CD207	10 ± 17	7 ± 15	4 ± 8	23 ± 64	18 ± 40
CD11a + CD24	38 ± 48	7 ± 9	20 ± 22	18 ± 19	14 ± 15
CD11a + CD28	623 ± 554	139 ± 237	238 ± 254	299 ± 311	399 ± 450
CD11a + CD29	506 ± 477	117 ± 94	208 ± 187	212 ± 290	197 ± 161
CD11a + CD3	820 ± 664	290 ± 279	498 ± 413	515 ± 500	554 ± 435
CD11a + CD31	221 ± 306	65 ± 53	72 ± 71	155 ± 246	130 ± 144
CD11a + CD4	746 ± 751	261 ± 303	390 ± 358	411 ± 353	537 ± 448
CD11a + CD44	600 ± 666	245 ± 174	491 ± 376	435 ± 469	386 ± 150
CD11a + CD45	688 ± 620	185 ± 186	368 ± 279	377 ± 396	375 ± 372
CD11a + CD45RA	187 ± 205	70 ± 42	94 ± 65	82 ± 51	98 ± 97
CD11a + CD45RO	290 ± 315	64 ± 139	163 ± 158	176 ± 274	270 ± 443
CD11a + CD52	574 ± 494	131 ± 239	223 ± 263	341 ± 561	358 ± 468
CD11a + CD54	743 ± 730	239 ± 209	329 ± 311	450 ± 563	417 ± 316
CD11a + CD56	14 ± 22	2 ± 4	13 ± 14	4 ± 5	4 ± 5
CD11a + CD58	135 ± 214	57 ± 68	44 ± 69	124 ± 209	213 ± 311
CD11a + CD62E	80 ± 100	5 ± 11	18 ± 22	40 ± 92	18 ± 32
CD11a + CD62P	117 ± 169	22 ± 16	35 ± 38	46 ± 86	28 ± 55
CD11a + CD68	97 ± 106	43 ± 67	89 ± 107	73 ± 117	73 ± 91
CD11a + CD7	376 ± 468	121 ± 108	283 ± 304	293 ± 437	294 ± 323
CD11a + CD8a	160 ± 102	106 ± 75	137 ± 71	113 ± 69	190 ± 200
CD11a + CK14	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + CLA	125 ± 125	57 ± 50	82 ± 54	105 ± 127	89 ± 50
CD11a + c-myc	71 ± 135	4 ± 8	13 ± 19	7 ± 13	3 ± 7
CD11a + Collagen IV	347 ± 439	133 ± 108	233 ± 234	268 ± 403	207 ± 180
CD11a + FXIIIA	10 ± 13	7 ± 8	11 ± 9	8 ± 10	45 ± 55
CD11a + HLA-DR	708 ± 592	269 ± 211	445 ± 285	441 ± 500	405 ± 214
CD11a + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	2 ± 3
CD11a + IL-23R	7 ± 21	2 ± 6	0 ± 1	1 ± 1	4 ± 7
CD11a + Ki67	1 ± 1	0 ± 0	0 ± 1	0 ± 0	4 ± 13
CD11a + PI	653 ± 599	234 ± 227	413 ± 349	377 ± 410	408 ± 287
CD11a + Podoplanin	379 ± 468	150 ± 322	237 ± 343	321 ± 406	189 ± 324
CD11a + SNA1	506 ± 646	139 ± 81	260 ± 252	188 ± 200	181 ± 131
CD11a + STAT3	3 ± 5	1 ± 2	1 ± 1	1 ± 4	0 ± 1
CD11a + TIA1	80 ± 85	41 ± 36	44 ± 28	59 ± 72	60 ± 51
CD11a + Vimentin	416 ± 441	137 ± 168	265 ± 219	266 ± 309	189 ± 156

Tabelle 281: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	194 ± 160	205 ± 339	114 ± 122	169 ± 247	441 ± 655
CD11b + BCL2	17 ± 20	17 ± 23	28 ± 44	15 ± 15	57 ± 77
CD11b + CCR6	24 ± 28	20 ± 29	20 ± 29	33 ± 40	34 ± 27
CD11b + CD11a	163 ± 125	121 ± 104	96 ± 72	119 ± 68	217 ± 149
CD11b + CD120a	1 ± 1	1 ± 1	2 ± 3	1 ± 1	11 ± 34
CD11b + CD120b	9 ± 8	18 ± 26	6 ± 6	12 ± 20	61 ± 123
CD11b + CD138	3 ± 7	3 ± 7	9 ± 20	5 ± 8	3 ± 6
CD11b + CD15	102 ± 182	21 ± 26	73 ± 129	331 ± 1014	55 ± 82
CD11b + CD1a	0 ± 1	3 ± 8	0 ± 1	0 ± 1	6 ± 16
CD11b + CD2	138 ± 106	130 ± 143	83 ± 86	122 ± 112	277 ± 206
CD11b + CD207	1 ± 4	3 ± 6	1 ± 4	1 ± 4	8 ± 18
CD11b + CD24	33 ± 55	20 ± 28	98 ± 201	338 ± 1006	40 ± 57
CD11b + CD28	95 ± 88	51 ± 65	47 ± 67	85 ± 69	164 ± 167
CD11b + CD29	507 ± 387	361 ± 371	397 ± 363	504 ± 404	817 ± 710
CD11b + CD3	185 ± 134	189 ± 223	114 ± 111	217 ± 162	363 ± 242
CD11b + CD31	307 ± 304	205 ± 265	224 ± 264	397 ± 629	530 ± 610
CD11b + CD4	334 ± 291	315 ± 393	205 ± 252	281 ± 267	615 ± 490
CD11b + CD44	291 ± 264	336 ± 289	247 ± 249	383 ± 279	597 ± 355
CD11b + CD45	121 ± 122	87 ± 69	73 ± 52	103 ± 71	191 ± 201
CD11b + CD45RA	56 ± 49	79 ± 103	58 ± 41	75 ± 50	95 ± 63
CD11b + CD45RO	58 ± 68	26 ± 30	47 ± 53	120 ± 247	127 ± 222
CD11b + CD52	130 ± 142	67 ± 115	52 ± 93	77 ± 81	183 ± 252
CD11b + CD54	586 ± 450	373 ± 378	421 ± 388	568 ± 610	840 ± 635
CD11b + CD56	21 ± 30	20 ± 31	19 ± 31	21 ± 31	28 ± 30
CD11b + CD58	53 ± 62	56 ± 56	34 ± 56	97 ± 124	232 ± 344
CD11b + CD62E	189 ± 292	40 ± 88	184 ± 337	336 ± 947	139 ± 174
CD11b + CD62P	192 ± 244	81 ± 135	160 ± 232	155 ± 232	211 ± 327
CD11b + CD68	137 ± 174	152 ± 176	139 ± 172	175 ± 178	327 ± 382
CD11b + CD7	78 ± 72	91 ± 97	64 ± 39	105 ± 65	175 ± 155
CD11b + CD8a	34 ± 32	78 ± 116	37 ± 37	46 ± 45	87 ± 68
CD11b + CK14	0 ± 2	0 ± 2	0 ± 2	0 ± 2	0 ± 2
CD11b + CLA	46 ± 44	37 ± 41	45 ± 55	258 ± 741	63 ± 53
CD11b + c-myc	110 ± 150	49 ± 92	128 ± 195	46 ± 93	53 ± 91
CD11b + Collagen IV	340 ± 345	286 ± 333	257 ± 232	540 ± 747	702 ± 712
CD11b + FXIIIA	72 ± 85	88 ± 97	98 ± 118	79 ± 82	291 ± 359
CD11b + HLA-DR	531 ± 379	495 ± 429	460 ± 387	533 ± 355	852 ± 511
CD11b + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD11b + IL-23R	31 ± 82	6 ± 9	14 ± 23	34 ± 90	19 ± 25
CD11b + Ki67	0 ± 1	0 ± 1	0 ± 1	1 ± 3	4 ± 8
CD11b + PI	388 ± 280	336 ± 352	331 ± 309	580 ± 698	714 ± 560
CD11b + Podoplanin	162 ± 187	160 ± 199	112 ± 165	144 ± 155	170 ± 140
CD11b + SNA1	498 ± 427	346 ± 339	363 ± 323	610 ± 857	686 ± 658
CD11b + STAT3	13 ± 20	6 ± 11	11 ± 16	30 ± 80	12 ± 19
CD11b + TIA1	129 ± 131	50 ± 44	135 ± 181	330 ± 884	119 ± 155
CD11b + Vimentin	289 ± 192	259 ± 245	240 ± 190	422 ± 495	416 ± 267

Tabelle 282: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	3 ± 3	2 ± 3	2 ± 3	2 ± 3	3 ± 4
CD120a + BCL2	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 4
CD120a + CCR6	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD120a + CD11a	2 ± 3	1 ± 1	2 ± 4	1 ± 2	4 ± 13
CD120a + CD11b	1 ± 1	1 ± 1	2 ± 3	1 ± 1	11 ± 34
CD120a + CD120b	0 ± 0	0 ± 0	2 ± 6	0 ± 1	6 ± 18
CD120a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD15	0 ± 1	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD120a + CD1a	0 ± 0	0 ± 1	2 ± 6	0 ± 0	0 ± 0
CD120a + CD2	1 ± 1	0 ± 1	0 ± 1	1 ± 1	4 ± 14
CD120a + CD207	0 ± 0	0 ± 1	2 ± 6	0 ± 0	0 ± 0
CD120a + CD24	0 ± 1	0 ± 0	1 ± 1	0 ± 1	2 ± 4
CD120a + CD28	2 ± 3	0 ± 1	1 ± 2	1 ± 2	5 ± 15
CD120a + CD29	7 ± 8	4 ± 8	9 ± 11	5 ± 7	8 ± 14
CD120a + CD3	2 ± 3	1 ± 2	3 ± 6	1 ± 2	10 ± 29
CD120a + CD31	5 ± 6	3 ± 6	5 ± 7	9 ± 15	5 ± 9
CD120a + CD4	4 ± 5	2 ± 2	5 ± 10	2 ± 2	7 ± 19
CD120a + CD44	5 ± 5	3 ± 4	7 ± 10	4 ± 4	9 ± 21
CD120a + CD45	2 ± 2	1 ± 1	4 ± 10	1 ± 3	5 ± 15
CD120a + CD45RA	1 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD120a + CD45RO	1 ± 2	0 ± 0	2 ± 5	0 ± 1	7 ± 24
CD120a + CD52	1 ± 2	1 ± 1	1 ± 2	2 ± 3	8 ± 24
CD120a + CD54	12 ± 12	5 ± 9	11 ± 12	10 ± 13	15 ± 32
CD120a + CD56	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD120a + CD58	2 ± 4	2 ± 4	3 ± 4	7 ± 12	10 ± 27
CD120a + CD62E	1 ± 2	0 ± 1	2 ± 4	1 ± 1	1 ± 4
CD120a + CD62P	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD68	2 ± 5	2 ± 4	3 ± 4	2 ± 4	3 ± 7
CD120a + CD7	1 ± 2	1 ± 1	3 ± 6	1 ± 2	4 ± 11
CD120a + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 7
CD120a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CLA	1 ± 1	0 ± 0	2 ± 6	0 ± 1	0 ± 1
CD120a + c-myc	1 ± 1	0 ± 1	3 ± 6	0 ± 1	0 ± 1
CD120a + Collagen IV	9 ± 10	5 ± 8	7 ± 8	13 ± 17	7 ± 10
CD120a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD120a + HLA-DR	11 ± 13	5 ± 7	9 ± 11	7 ± 7	9 ± 16
CD120a + IL-22R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD120a + IL-23R	1 ± 4	0 ± 1	1 ± 4	1 ± 3	0 ± 1
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	5 ± 4	3 ± 4	4 ± 5	3 ± 4	5 ± 8
CD120a + Podoplanin	4 ± 4	2 ± 4	4 ± 6	7 ± 12	3 ± 4
CD120a + SNA1	11 ± 11	5 ± 9	8 ± 9	13 ± 17	8 ± 12
CD120a + STAT3	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + TIA1	0 ± 1	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD120a + Vimentin	6 ± 4	3 ± 5	8 ± 11	8 ± 10	4 ± 5

Tabelle 283: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	32 ± 40	30 ± 36	10 ± 11	8 ± 10	61 ± 158
CD120b + BCL2	12 ± 22	2 ± 3	4 ± 7	3 ± 3	65 ± 157
CD120b + CCR6	9 ± 8	6 ± 11	4 ± 6	8 ± 9	15 ± 26
CD120b + CD11a	84 ± 88	16 ± 20	35 ± 49	27 ± 33	125 ± 255
CD120b + CD11b	9 ± 8	18 ± 26	6 ± 6	12 ± 20	61 ± 123
CD120b + CD120a	0 ± 0	0 ± 0	2 ± 6	0 ± 1	6 ± 18
CD120b + CD138	4 ± 13	3 ± 9	0 ± 1	0 ± 1	0 ± 1
CD120b + CD15	136 ± 380	21 ± 44	7 ± 12	19 ± 41	9 ± 12
CD120b + CD1a	1 ± 2	6 ± 14	0 ± 1	1 ± 1	9 ± 29
CD120b + CD2	50 ± 65	17 ± 23	17 ± 20	22 ± 28	208 ± 489
CD120b + CD207	1 ± 1	4 ± 13	1 ± 2	2 ± 5	15 ± 40
CD120b + CD24	273 ± 550	62 ± 58	102 ± 88	71 ± 84	102 ± 76
CD120b + CD28	79 ± 87	16 ± 21	26 ± 28	28 ± 25	216 ± 483
CD120b + CD29	272 ± 421	73 ± 54	112 ± 94	88 ± 87	177 ± 290
CD120b + CD3	115 ± 117	42 ± 33	59 ± 67	58 ± 64	250 ± 531
CD120b + CD31	29 ± 40	23 ± 22	15 ± 26	27 ± 63	116 ± 234
CD120b + CD4	69 ± 97	25 ± 32	29 ± 35	28 ± 27	229 ± 515
CD120b + CD44	315 ± 504	96 ± 61	144 ± 112	105 ± 103	179 ± 143
CD120b + CD45	85 ± 94	15 ± 16	37 ± 58	29 ± 33	144 ± 325
CD120b + CD45RA	67 ± 74	15 ± 14	25 ± 25	11 ± 12	66 ± 101
CD120b + CD45RO	32 ± 48	7 ± 13	17 ± 28	14 ± 19	136 ± 330
CD120b + CD52	85 ± 92	20 ± 26	33 ± 43	32 ± 48	202 ± 510
CD120b + CD54	155 ± 182	45 ± 32	52 ± 58	55 ± 64	183 ± 372
CD120b + CD56	6 ± 15	4 ± 10	2 ± 2	2 ± 2	5 ± 9
CD120b + CD58	31 ± 52	24 ± 26	13 ± 17	26 ± 58	199 ± 512
CD120b + CD62E	8 ± 11	6 ± 11	5 ± 12	1 ± 2	11 ± 22
CD120b + CD62P	108 ± 318	22 ± 22	13 ± 19	14 ± 25	13 ± 17
CD120b + CD68	7 ± 8	9 ± 10	11 ± 15	5 ± 5	31 ± 49
CD120b + CD7	38 ± 53	8 ± 11	33 ± 59	29 ± 47	102 ± 230
CD120b + CD8a	15 ± 22	11 ± 14	8 ± 8	8 ± 12	76 ± 162
CD120b + CK14	0 ± 0	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD120b + CLA	13 ± 23	2 ± 2	13 ± 25	8 ± 12	24 ± 42
CD120b + c-myc	13 ± 23	6 ± 12	4 ± 6	2 ± 6	2 ± 6
CD120b + Collagen IV	74 ± 73	47 ± 36	57 ± 49	61 ± 72	111 ± 151
CD120b + FXIIIA	1 ± 1	4 ± 9	3 ± 4	1 ± 1	14 ± 28
CD120b + HLA-DR	229 ± 284	91 ± 58	110 ± 79	85 ± 69	171 ± 154
CD120b + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD120b + IL-23R	2 ± 7	1 ± 3	0 ± 0	0 ± 1	8 ± 19
CD120b + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4 ± 13
CD120b + PI	204 ± 343	49 ± 34	75 ± 80	58 ± 59	196 ± 349
CD120b + Podoplanin	81 ± 73	33 ± 38	39 ± 54	46 ± 47	74 ± 86
CD120b + SNA1	174 ± 259	70 ± 35	74 ± 57	62 ± 63	118 ± 123
CD120b + STAT3	6 ± 18	4 ± 10	2 ± 6	0 ± 0	1 ± 3
CD120b + TIA1	4 ± 11	6 ± 12	1 ± 1	1 ± 2	13 ± 27
CD120b + Vimentin	37 ± 51	18 ± 17	20 ± 36	26 ± 40	45 ± 66

Tabelle 284: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	30 ± 52	21 ± 48	12 ± 16	9 ± 15	7 ± 15
CD138 + BCL2	1 ± 3	2 ± 8	2 ± 6	0 ± 1	0 ± 1
CD138 + CCR6	26 ± 44	23 ± 54	13 ± 18	6 ± 15	7 ± 15
CD138 + CD11a	3 ± 6	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD138 + CD11b	3 ± 7	3 ± 7	9 ± 20	5 ± 8	3 ± 6
CD138 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD120b	4 ± 13	3 ± 9	0 ± 1	0 ± 1	0 ± 1
CD138 + CD15	16 ± 28	15 ± 40	5 ± 10	4 ± 10	4 ± 10
CD138 + CD1a	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD138 + CD2	2 ± 6	0 ± 0	1 ± 2	1 ± 1	0 ± 0
CD138 + CD207	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD24	5 ± 15	3 ± 10	6 ± 9	2 ± 6	1 ± 2
CD138 + CD28	3 ± 8	1 ± 3	0 ± 1	0 ± 1	0 ± 0
CD138 + CD29	32 ± 58	20 ± 46	20 ± 20	10 ± 17	7 ± 15
CD138 + CD3	4 ± 14	5 ± 17	3 ± 7	2 ± 6	0 ± 0
CD138 + CD31	1 ± 2	0 ± 1	4 ± 9	4 ± 13	0 ± 0
CD138 + CD4	3 ± 8	0 ± 0	2 ± 3	2 ± 5	0 ± 0
CD138 + CD44	17 ± 27	16 ± 40	11 ± 16	7 ± 11	5 ± 9
CD138 + CD45	4 ± 12	1 ± 2	1 ± 2	0 ± 1	0 ± 1
CD138 + CD45RA	28 ± 42	25 ± 55	15 ± 21	9 ± 19	9 ± 19
CD138 + CD45RO	23 ± 41	19 ± 44	19 ± 22	7 ± 14	6 ± 14
CD138 + CD52	9 ± 20	11 ± 34	10 ± 20	2 ± 6	0 ± 1
CD138 + CD54	4 ± 9	1 ± 2	5 ± 16	4 ± 14	0 ± 0
CD138 + CD56	29 ± 44	26 ± 59	16 ± 22	9 ± 19	9 ± 18
CD138 + CD58	14 ± 24	14 ± 37	6 ± 9	3 ± 7	3 ± 7
CD138 + CD62E	0 ± 1	2 ± 7	9 ± 24	2 ± 6	0 ± 0
CD138 + CD62P	8 ± 20	5 ± 11	10 ± 20	4 ± 6	1 ± 3
CD138 + CD68	22 ± 38	10 ± 22	10 ± 16	5 ± 14	5 ± 14
CD138 + CD7	3 ± 9	1 ± 3	2 ± 6	0 ± 0	0 ± 0
CD138 + CD8a	1 ± 3	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD138 + CK14	6 ± 18	2 ± 8	1 ± 4	0 ± 0	0 ± 0
CD138 + CLA	2 ± 5	0 ± 0	2 ± 3	0 ± 0	0 ± 0
CD138 + c-myc	26 ± 44	26 ± 66	15 ± 20	6 ± 14	7 ± 14
CD138 + Collagen IV	4 ± 5	5 ± 15	7 ± 11	2 ± 4	1 ± 1
CD138 + FXIIIA	25 ± 41	24 ± 58	19 ± 19	7 ± 15	7 ± 15
CD138 + HLA-DR	22 ± 33	26 ± 61	18 ± 18	13 ± 19	9 ± 17
CD138 + IL-22R	0 ± 1	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD138 + IL-23R	2 ± 3	2 ± 4	6 ± 11	1 ± 2	1 ± 2
CD138 + Ki67	0 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD138 + PI	15 ± 32	5 ± 11	13 ± 19	7 ± 13	2 ± 4
CD138 + Podoplanin	29 ± 43	26 ± 58	16 ± 21	9 ± 19	9 ± 19
CD138 + SNA1	20 ± 28	22 ± 57	22 ± 24	10 ± 14	5 ± 10
CD138 + STAT3	29 ± 46	28 ± 65	18 ± 22	9 ± 18	9 ± 18
CD138 + TIA1	19 ± 30	20 ± 45	11 ± 17	6 ± 15	6 ± 15
CD138 + Vimentin	18 ± 31	22 ± 59	14 ± 13	6 ± 8	4 ± 8

Tabelle 285: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	67 ± 88	48 ± 59	24 ± 43	48 ± 79	44 ± 55
CD15 + BCL2	2 ± 4	2 ± 4	0 ± 1	3 ± 7	1 ± 1
CD15 + CCR6	14 ± 23	20 ± 42	8 ± 15	8 ± 16	7 ± 15
CD15 + CD11a	26 ± 63	3 ± 6	4 ± 6	9 ± 21	3 ± 6
CD15 + CD11b	102 ± 182	21 ± 26	73 ± 129	331 ± 1014	55 ± 82
CD15 + CD120a	0 ± 1	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD15 + CD120b	136 ± 380	21 ± 44	7 ± 12	19 ± 41	9 ± 12
CD15 + CD138	16 ± 28	15 ± 40	5 ± 10	4 ± 10	4 ± 10
CD15 + CD1a	1 ± 3	1 ± 4	0 ± 1	0 ± 0	0 ± 0
CD15 + CD2	25 ± 58	3 ± 6	3 ± 4	10 ± 22	5 ± 10
CD15 + CD207	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD24	152 ± 414	35 ± 70	66 ± 120	333 ± 998	28 ± 59
CD15 + CD28	32 ± 76	2 ± 3	2 ± 3	11 ± 28	2 ± 4
CD15 + CD29	237 ± 432	84 ± 119	81 ± 72	137 ± 178	77 ± 68
CD15 + CD3	66 ± 166	14 ± 22	12 ± 17	23 ± 34	14 ± 30
CD15 + CD31	60 ± 77	45 ± 76	37 ± 62	138 ± 271	49 ± 73
CD15 + CD4	51 ± 108	9 ± 20	8 ± 11	24 ± 41	11 ± 14
CD15 + CD44	152 ± 350	53 ± 71	28 ± 26	69 ± 64	39 ± 44
CD15 + CD45	27 ± 65	2 ± 3	4 ± 9	13 ± 22	5 ± 9
CD15 + CD45RA	29 ± 44	20 ± 42	13 ± 19	11 ± 17	12 ± 16
CD15 + CD45RO	20 ± 29	13 ± 31	13 ± 23	73 ± 210	11 ± 21
CD15 + CD52	79 ± 173	14 ± 32	6 ± 6	16 ± 30	12 ± 23
CD15 + CD54	178 ± 261	65 ± 108	83 ± 121	169 ± 323	68 ± 78
CD15 + CD56	16 ± 26	19 ± 45	8 ± 16	5 ± 16	10 ± 21
CD15 + CD58	19 ± 26	21 ± 37	11 ± 26	32 ± 38	18 ± 26
CD15 + CD62E	65 ± 149	9 ± 14	50 ± 94	297 ± 923	45 ± 106
CD15 + CD62P	174 ± 440	32 ± 42	37 ± 44	101 ± 176	36 ± 49
CD15 + CD68	31 ± 37	27 ± 37	22 ± 35	31 ± 48	21 ± 34
CD15 + CD7	18 ± 28	2 ± 3	2 ± 2	11 ± 22	5 ± 14
CD15 + CD8a	5 ± 13	2 ± 5	5 ± 13	3 ± 5	7 ± 21
CD15 + CK14	2 ± 8	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CD15 + CLA	20 ± 46	4 ± 8	20 ± 44	238 ± 776	5 ± 12
CD15 + c-myc	37 ± 76	29 ± 54	18 ± 25	5 ± 16	6 ± 16
CD15 + Collagen IV	80 ± 101	32 ± 38	45 ± 49	187 ± 502	55 ± 62
CD15 + FXIIIA	15 ± 22	18 ± 42	25 ± 46	7 ± 16	10 ± 17
CD15 + HLA-DR	148 ± 203	101 ± 146	88 ± 91	108 ± 116	70 ± 69
CD15 + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + IL-23R	5 ± 10	1 ± 3	1 ± 3	24 ± 79	1 ± 1
CD15 + Ki67	0 ± 1	0 ± 1	0 ± 0	1 ± 2	0 ± 0
CD15 + PI	139 ± 277	33 ± 39	69 ± 100	249 ± 629	70 ± 74
CD15 + Podoplanin	62 ± 65	34 ± 56	17 ± 21	29 ± 32	23 ± 22
CD15 + SNA1	192 ± 322	90 ± 126	78 ± 76	257 ± 587	57 ± 65
CD15 + STAT3	20 ± 31	19 ± 45	12 ± 18	21 ± 50	7 ± 15
CD15 + TIA1	63 ± 96	27 ± 58	68 ± 128	293 ± 923	30 ± 43
CD15 + Vimentin	67 ± 84	64 ± 86	40 ± 73	174 ± 341	54 ± 75

Tabelle 286: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	1 ± 3	25 ± 77	0 ± 0	0 ± 0	1 ± 5
CD1a + BCL2	1 ± 3	0 ± 0	0 ± 0	0 ± 0	5 ± 17
CD1a + CCR6	1 ± 2	1 ± 4	0 ± 0	1 ± 4	0 ± 0
CD1a + CD11a	3 ± 8	6 ± 16	1 ± 2	5 ± 13	11 ± 27
CD1a + CD11b	0 ± 1	3 ± 8	0 ± 1	0 ± 1	6 ± 16
CD1a + CD120a	0 ± 0	0 ± 1	2 ± 6	0 ± 0	0 ± 0
CD1a + CD120b	1 ± 2	6 ± 14	0 ± 1	1 ± 1	9 ± 29
CD1a + CD138	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD1a + CD15	1 ± 3	1 ± 4	0 ± 1	0 ± 0	0 ± 0
CD1a + CD2	5 ± 11	9 ± 23	2 ± 8	3 ± 8	16 ± 38
CD1a + CD207	6 ± 14	22 ± 56	6 ± 15	7 ± 16	18 ± 44
CD1a + CD24	1 ± 3	1 ± 3	0 ± 1	0 ± 0	0 ± 0
CD1a + CD28	5 ± 9	19 ± 54	2 ± 5	4 ± 8	16 ± 39
CD1a + CD29	2 ± 5	7 ± 19	2 ± 5	0 ± 1	2 ± 5
CD1a + CD3	5 ± 9	32 ± 90	2 ± 5	6 ± 14	13 ± 27
CD1a + CD31	1 ± 1	15 ± 48	0 ± 1	0 ± 1	14 ± 39
CD1a + CD4	7 ± 14	28 ± 75	5 ± 13	8 ± 16	19 ± 41
CD1a + CD44	5 ± 8	19 ± 47	3 ± 7	6 ± 14	3 ± 6
CD1a + CD45	5 ± 9	9 ± 22	2 ± 5	5 ± 13	10 ± 26
CD1a + CD45RA	1 ± 2	2 ± 4	0 ± 0	0 ± 0	0 ± 0
CD1a + CD45RO	3 ± 6	2 ± 5	1 ± 3	4 ± 10	12 ± 35
CD1a + CD52	6 ± 10	14 ± 34	2 ± 7	7 ± 15	13 ± 24
CD1a + CD54	6 ± 11	34 ± 98	5 ± 10	7 ± 16	11 ± 16
CD1a + CD56	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	2 ± 3	31 ± 92	1 ± 2	1 ± 2	11 ± 22
CD1a + CD62E	0 ± 0	21 ± 69	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	1 ± 3	10 ± 29	0 ± 0	0 ± 0	0 ± 1
CD1a + CD68	1 ± 2	3 ± 6	0 ± 1	0 ± 0	1 ± 2
CD1a + CD7	3 ± 8	1 ± 2	0 ± 1	4 ± 10	6 ± 13
CD1a + CD8a	1 ± 2	1 ± 3	0 ± 1	1 ± 1	4 ± 13
CD1a + CK14	0 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD1a + CLA	4 ± 7	2 ± 6	2 ± 6	6 ± 13	3 ± 7
CD1a + c-myc	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD1a + Collagen IV	2 ± 5	27 ± 81	2 ± 5	2 ± 5	5 ± 8
CD1a + FXIIIA	1 ± 2	1 ± 4	0 ± 0	0 ± 0	1 ± 2
CD1a + HLA-DR	6 ± 11	33 ± 90	5 ± 10	6 ± 14	10 ± 15
CD1a + IL-22R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD1a + IL-23R	0 ± 0	3 ± 7	0 ± 0	0 ± 0	0 ± 0
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 7
CD1a + PI	4 ± 7	15 ± 44	1 ± 2	3 ± 7	6 ± 12
CD1a + Podoplanin	8 ± 15	7 ± 14	4 ± 14	8 ± 17	5 ± 14
CD1a + SNA1	1 ± 3	33 ± 99	1 ± 1	0 ± 1	3 ± 7
CD1a + STAT3	1 ± 2	2 ± 4	0 ± 0	0 ± 0	0 ± 0
CD1a + TIA1	1 ± 2	4 ± 9	0 ± 0	0 ± 0	0 ± 0
CD1a + Vimentin	4 ± 7	9 ± 14	4 ± 9	4 ± 8	4 ± 8

Tabelle 287: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	482 ± 602	97 ± 136	89 ± 110	66 ± 70	526 ± 884
CD2 + BCL2	110 ± 125	30 ± 34	60 ± 59	35 ± 34	174 ± 373
CD2 + CCR6	52 ± 70	22 ± 45	30 ± 42	53 ± 61	54 ± 67
CD2 + CD11a	636 ± 530	204 ± 208	330 ± 268	281 ± 217	444 ± 423
CD2 + CD11b	138 ± 106	130 ± 143	83 ± 86	122 ± 112	277 ± 206
CD2 + CD120a	1 ± 1	0 ± 1	0 ± 1	1 ± 1	4 ± 14
CD2 + CD120b	50 ± 65	17 ± 23	17 ± 20	22 ± 28	208 ± 489
CD2 + CD138	2 ± 6	0 ± 0	1 ± 2	1 ± 1	0 ± 0
CD2 + CD15	25 ± 58	3 ± 6	3 ± 4	10 ± 22	5 ± 10
CD2 + CD1a	5 ± 11	9 ± 23	2 ± 8	3 ± 8	16 ± 38
CD2 + CD207	18 ± 33	15 ± 35	10 ± 32	12 ± 32	34 ± 61
CD2 + CD24	12 ± 18	5 ± 8	6 ± 7	23 ± 54	11 ± 19
CD2 + CD28	782 ± 709	147 ± 229	211 ± 220	254 ± 220	714 ± 1235
CD2 + CD29	742 ± 656	216 ± 238	253 ± 251	245 ± 230	757 ± 917
CD2 + CD3	928 ± 724	330 ± 293	463 ± 349	473 ± 344	1098 ± 1420
CD2 + CD31	432 ± 440	140 ± 134	122 ± 130	145 ± 100	685 ± 900
CD2 + CD4	976 ± 863	313 ± 314	415 ± 358	406 ± 269	1173 ± 1555
CD2 + CD44	472 ± 612	215 ± 185	342 ± 247	321 ± 279	495 ± 391
CD2 + CD45	612 ± 547	161 ± 175	274 ± 213	268 ± 211	474 ± 585
CD2 + CD45RA	104 ± 112	49 ± 62	50 ± 44	54 ± 49	104 ± 125
CD2 + CD45RO	306 ± 340	74 ± 154	171 ± 159	172 ± 202	454 ± 807
CD2 + CD52	771 ± 765	135 ± 241	201 ± 242	221 ± 266	695 ± 1343
CD2 + CD54	925 ± 855	281 ± 263	341 ± 326	345 ± 236	858 ± 897
CD2 + CD56	21 ± 37	2 ± 3	11 ± 13	5 ± 10	10 ± 20
CD2 + CD58	169 ± 233	60 ± 65	55 ± 69	75 ± 67	530 ± 1275
CD2 + CD62E	178 ± 219	23 ± 28	34 ± 55	18 ± 22	71 ± 77
CD2 + CD62P	259 ± 362	45 ± 48	50 ± 76	37 ± 34	168 ± 271
CD2 + CD68	236 ± 286	92 ± 114	128 ± 133	103 ± 109	259 ± 247
CD2 + CD7	375 ± 465	105 ± 96	217 ± 225	204 ± 222	327 ± 391
CD2 + CD8a	159 ± 109	122 ± 108	138 ± 97	130 ± 130	278 ± 346
CD2 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + CLA	134 ± 136	71 ± 70	79 ± 66	88 ± 75	128 ± 104
CD2 + c-myc	106 ± 226	22 ± 63	6 ± 8	3 ± 5	3 ± 5
CD2 + Collagen IV	475 ± 450	200 ± 194	256 ± 235	243 ± 200	728 ± 870
CD2 + FXIIIA	14 ± 22	15 ± 22	20 ± 23	15 ± 22	106 ± 111
CD2 + HLA-DR	662 ± 536	292 ± 254	348 ± 238	346 ± 256	583 ± 381
CD2 + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	3 ± 6
CD2 + IL-23R	7 ± 22	2 ± 4	1 ± 1	1 ± 1	33 ± 60
CD2 + Ki67	1 ± 3	0 ± 0	0 ± 0	0 ± 1	4 ± 13
CD2 + PI	743 ± 614	288 ± 269	393 ± 324	352 ± 298	959 ± 1136
CD2 + Podoplanin	365 ± 452	152 ± 294	192 ± 288	247 ± 301	221 ± 316
CD2 + SNA1	606 ± 615	218 ± 195	276 ± 241	218 ± 190	575 ± 647
CD2 + STAT3	2 ± 3	1 ± 2	1 ± 2	1 ± 2	4 ± 8
CD2 + TIA1	73 ± 77	33 ± 36	37 ± 37	42 ± 53	86 ± 93
CD2 + Vimentin	480 ± 410	170 ± 179	255 ± 171	258 ± 169	406 ± 366

Tabelle 288: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	4 ± 9	16 ± 50	0 ± 1	0 ± 1	1 ± 2
CD207 + BCL2	2 ± 4	0 ± 1	1 ± 1	0 ± 1	9 ± 27
CD207 + CCR6	6 ± 9	1 ± 2	1 ± 2	6 ± 16	1 ± 2
CD207 + CD11a	10 ± 17	7 ± 15	4 ± 8	23 ± 64	18 ± 40
CD207 + CD11b	1 ± 4	3 ± 6	1 ± 4	1 ± 4	8 ± 18
CD207 + CD120a	0 ± 0	0 ± 1	2 ± 6	0 ± 0	0 ± 0
CD207 + CD120b	1 ± 1	4 ± 13	1 ± 2	2 ± 5	15 ± 40
CD207 + CD138	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD15	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD1a	6 ± 14	22 ± 56	6 ± 15	7 ± 16	18 ± 44
CD207 + CD2	18 ± 33	15 ± 35	10 ± 32	12 ± 32	34 ± 61
CD207 + CD24	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD28	15 ± 26	20 ± 47	8 ± 23	15 ± 31	29 ± 59
CD207 + CD29	9 ± 18	4 ± 11	3 ± 6	2 ± 6	1 ± 2
CD207 + CD3	17 ± 28	25 ± 60	9 ± 25	32 ± 79	27 ± 44
CD207 + CD31	6 ± 12	11 ± 29	2 ± 6	6 ± 14	23 ± 66
CD207 + CD4	23 ± 47	31 ± 66	17 ± 46	31 ± 69	39 ± 69
CD207 + CD44	14 ± 22	17 ± 36	11 ± 18	32 ± 84	11 ± 18
CD207 + CD45	14 ± 19	10 ± 21	7 ± 12	24 ± 63	21 ± 39
CD207 + CD45RA	3 ± 6	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + CD45RO	11 ± 17	4 ± 13	5 ± 13	18 ± 44	24 ± 53
CD207 + CD52	20 ± 35	21 ± 45	11 ± 36	35 ± 83	24 ± 47
CD207 + CD54	28 ± 41	28 ± 63	15 ± 33	37 ± 89	23 ± 36
CD207 + CD56	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	6 ± 10	20 ± 56	3 ± 9	4 ± 9	15 ± 32
CD207 + CD62E	1 ± 3	13 ± 44	0 ± 1	0 ± 0	0 ± 0
CD207 + CD62P	4 ± 11	7 ± 24	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	3 ± 5	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD207 + CD7	7 ± 11	1 ± 5	3 ± 5	18 ± 51	11 ± 18
CD207 + CD8a	4 ± 9	3 ± 9	3 ± 9	4 ± 9	12 ± 24
CD207 + CK14	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CLA	14 ± 21	6 ± 19	8 ± 18	24 ± 57	9 ± 19
CD207 + c-myc	6 ± 13	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + Collagen IV	14 ± 40	27 ± 57	16 ± 40	22 ± 43	15 ± 40
CD207 + FXIIIA	2 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 0
CD207 + HLA-DR	30 ± 49	32 ± 69	22 ± 48	42 ± 87	27 ± 49
CD207 + IL-22R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + IL-23R	0 ± 1	1 ± 4	0 ± 0	0 ± 0	2 ± 7
CD207 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	3 ± 11
CD207 + PI	15 ± 23	13 ± 27	10 ± 21	24 ± 57	16 ± 26
CD207 + Podoplanin	39 ± 93	29 ± 95	30 ± 95	53 ± 111	29 ± 95
CD207 + SNA1	13 ± 20	22 ± 57	8 ± 14	10 ± 16	7 ± 14
CD207 + STAT3	2 ± 6	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD207 + TIA1	2 ± 6	3 ± 9	0 ± 0	0 ± 1	1 ± 4
CD207 + Vimentin	19 ± 32	13 ± 29	14 ± 29	23 ± 46	13 ± 29

Tabelle 289: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	25 ± 40	21 ± 22	30 ± 45	10 ± 14	20 ± 23
CD24 + BCL2	0 ± 1	0 ± 0	4 ± 8	1 ± 1	0 ± 0
CD24 + CCR6	5 ± 8	5 ± 10	4 ± 4	6 ± 11	2 ± 2
CD24 + CD11a	38 ± 48	7 ± 9	20 ± 22	18 ± 19	14 ± 15
CD24 + CD11b	33 ± 55	20 ± 28	98 ± 201	338 ± 1006	40 ± 57
CD24 + CD120a	0 ± 1	0 ± 0	1 ± 1	0 ± 1	2 ± 4
CD24 + CD120b	273 ± 550	62 ± 58	102 ± 88	71 ± 84	102 ± 76
CD24 + CD138	5 ± 15	3 ± 10	6 ± 9	2 ± 6	1 ± 2
CD24 + CD15	152 ± 414	35 ± 70	66 ± 120	333 ± 998	28 ± 59
CD24 + CD1a	1 ± 3	1 ± 3	0 ± 1	0 ± 0	0 ± 0
CD24 + CD2	12 ± 18	5 ± 8	6 ± 7	23 ± 54	11 ± 19
CD24 + CD207	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD28	34 ± 59	6 ± 7	18 ± 22	17 ± 19	23 ± 28
CD24 + CD29	276 ± 468	76 ± 79	242 ± 267	149 ± 186	132 ± 108
CD24 + CD3	69 ± 107	24 ± 19	46 ± 44	61 ± 100	49 ± 52
CD24 + CD31	22 ± 32	12 ± 13	78 ± 148	63 ± 169	87 ± 149
CD24 + CD4	27 ± 38	9 ± 12	21 ± 37	18 ± 27	24 ± 27
CD24 + CD44	318 ± 557	107 ± 95	181 ± 147	151 ± 165	150 ± 125
CD24 + CD45	43 ± 72	5 ± 5	19 ± 22	23 ± 39	15 ± 17
CD24 + CD45RA	63 ± 63	18 ± 26	33 ± 34	22 ± 29	43 ± 32
CD24 + CD45RO	16 ± 31	4 ± 11	13 ± 23	86 ± 250	8 ± 18
CD24 + CD52	51 ± 89	8 ± 13	36 ± 59	24 ± 26	28 ± 44
CD24 + CD54	136 ± 197	30 ± 24	143 ± 243	109 ± 237	76 ± 69
CD24 + CD56	8 ± 20	7 ± 12	5 ± 5	2 ± 3	10 ± 16
CD24 + CD58	8 ± 8	11 ± 18	10 ± 11	10 ± 14	38 ± 62
CD24 + CD62E	20 ± 47	3 ± 10	80 ± 177	312 ± 1018	19 ± 60
CD24 + CD62P	123 ± 344	15 ± 26	66 ± 125	65 ± 169	20 ± 44
CD24 + CD68	3 ± 4	4 ± 7	15 ± 25	5 ± 7	5 ± 3
CD24 + CD7	11 ± 17	4 ± 5	18 ± 27	31 ± 75	15 ± 22
CD24 + CD8a	10 ± 19	8 ± 11	7 ± 8	14 ± 29	12 ± 21
CD24 + CK14	0 ± 1	1 ± 4	0 ± 1	0 ± 0	0 ± 0
CD24 + CLA	11 ± 17	4 ± 7	21 ± 39	251 ± 806	7 ± 18
CD24 + c-myc	15 ± 30	7 ± 12	51 ± 101	2 ± 3	2 ± 3
CD24 + Collagen IV	74 ± 70	42 ± 25	180 ± 197	241 ± 563	134 ± 173
CD24 + FXIIIA	3 ± 6	4 ± 10	20 ± 44	3 ± 5	7 ± 11
CD24 + HLA-DR	227 ± 322	94 ± 90	205 ± 205	130 ± 118	140 ± 119
CD24 + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD24 + IL-23R	6 ± 21	0 ± 1	5 ± 12	26 ± 84	8 ± 26
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD24 + PI	200 ± 385	47 ± 38	164 ± 215	301 ± 714	152 ± 189
CD24 + Podoplanin	75 ± 61	29 ± 27	85 ± 140	71 ± 104	115 ± 142
CD24 + SNA1	179 ± 297	70 ± 56	215 ± 229	275 ± 634	206 ± 353
CD24 + STAT3	8 ± 22	4 ± 10	6 ± 12	21 ± 67	0 ± 1
CD24 + TIA1	24 ± 54	12 ± 31	86 ± 202	321 ± 1034	8 ± 22
CD24 + Vimentin	18 ± 28	9 ± 12	64 ± 110	145 ± 362	97 ± 246

Tabelle 290: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	455 ± 609	33 ± 47	50 ± 101	94 ± 175	241 ± 430
CD28 + BCL2	90 ± 105	14 ± 25	49 ± 92	24 ± 26	131 ± 296
CD28 + CCR6	48 ± 64	19 ± 42	25 ± 41	45 ± 55	46 ± 64
CD28 + CD11a	623 ± 554	139 ± 237	238 ± 254	299 ± 311	399 ± 450
CD28 + CD11b	95 ± 88	51 ± 65	47 ± 67	85 ± 69	164 ± 167
CD28 + CD120a	2 ± 3	0 ± 1	1 ± 2	1 ± 2	5 ± 15
CD28 + CD120b	79 ± 87	16 ± 21	26 ± 28	28 ± 25	216 ± 483
CD28 + CD138	3 ± 8	1 ± 3	0 ± 1	0 ± 1	0 ± 0
CD28 + CD15	32 ± 76	2 ± 3	2 ± 3	11 ± 28	2 ± 4
CD28 + CD1a	5 ± 9	19 ± 54	2 ± 5	4 ± 8	16 ± 39
CD28 + CD2	782 ± 709	147 ± 229	211 ± 220	254 ± 220	714 ± 1235
CD28 + CD207	15 ± 26	20 ± 47	8 ± 23	15 ± 31	29 ± 59
CD28 + CD24	34 ± 59	6 ± 7	18 ± 22	17 ± 19	23 ± 28
CD28 + CD29	717 ± 733	70 ± 81	148 ± 179	199 ± 186	380 ± 525
CD28 + CD3	928 ± 799	213 ± 336	346 ± 378	470 ± 373	826 ± 1137
CD28 + CD31	390 ± 476	44 ± 45	72 ± 104	128 ± 122	406 ± 630
CD28 + CD4	958 ± 947	209 ± 355	285 ± 348	400 ± 333	897 ± 1334
CD28 + CD44	455 ± 569	138 ± 181	242 ± 218	310 ± 239	350 ± 266
CD28 + CD45	598 ± 537	116 ± 185	192 ± 183	270 ± 255	365 ± 552
CD28 + CD45RA	90 ± 115	15 ± 15	18 ± 14	26 ± 18	70 ± 122
CD28 + CD45RO	259 ± 281	56 ± 138	107 ± 139	149 ± 206	347 ± 684
CD28 + CD52	796 ± 783	123 ± 291	196 ± 312	285 ± 408	663 ± 1196
CD28 + CD54	880 ± 886	161 ± 233	226 ± 255	341 ± 282	547 ± 634
CD28 + CD56	42 ± 94	2 ± 3	4 ± 4	3 ± 4	8 ± 16
CD28 + CD58	210 ± 335	59 ± 83	58 ± 78	116 ± 119	514 ± 1061
CD28 + CD62E	148 ± 200	16 ± 43	23 ± 46	18 ± 44	45 ± 88
CD28 + CD62P	217 ± 334	16 ± 24	32 ± 59	27 ± 44	62 ± 93
CD28 + CD68	191 ± 283	41 ± 76	80 ± 99	90 ± 110	143 ± 151
CD28 + CD7	349 ± 445	56 ± 83	135 ± 131	202 ± 240	285 ± 385
CD28 + CD8a	95 ± 79	35 ± 44	53 ± 44	65 ± 53	164 ± 275
CD28 + CK14	0 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD28 + CLA	93 ± 113	22 ± 32	35 ± 33	55 ± 59	58 ± 58
CD28 + c-myc	96 ± 190	5 ± 12	21 ± 55	6 ± 14	4 ± 11
CD28 + Collagen IV	472 ± 528	105 ± 150	172 ± 211	249 ± 232	409 ± 458
CD28 + FXIIIA	7 ± 7	5 ± 6	9 ± 11	7 ± 6	48 ± 60
CD28 + HLA-DR	618 ± 575	174 ± 254	252 ± 272	316 ± 286	441 ± 383
CD28 + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 3	4 ± 9
CD28 + IL-23R	9 ± 30	2 ± 5	2 ± 7	1 ± 2	21 ± 52
CD28 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	4 ± 13
CD28 + PI	674 ± 634	151 ± 252	242 ± 274	302 ± 284	619 ± 878
CD28 + Podoplanin	353 ± 477	141 ± 397	195 ± 394	282 ± 399	247 ± 437
CD28 + SNA1	571 ± 669	95 ± 97	174 ± 201	181 ± 112	314 ± 331
CD28 + STAT3	2 ± 4	1 ± 3	1 ± 1	0 ± 0	3 ± 7
CD28 + TIA1	44 ± 58	9 ± 12	9 ± 10	14 ± 14	33 ± 50
CD28 + Vimentin	425 ± 411	106 ± 213	159 ± 215	206 ± 212	244 ± 257

Tabelle 291: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	7091 ± 3564	3905 ± 3297	6387 ± 3641	4907 ± 3445	5338 ± 3533
CD29 + BCL2	212 ± 251	44 ± 46	575 ± 1206	44 ± 44	136 ± 242
CD29 + CCR6	94 ± 103	43 ± 50	43 ± 33	57 ± 66	40 ± 35
CD29 + CD11a	506 ± 477	117 ± 94	208 ± 187	212 ± 290	197 ± 161
CD29 + CD11b	507 ± 387	361 ± 371	397 ± 363	504 ± 404	817 ± 710
CD29 + CD120a	7 ± 8	4 ± 8	9 ± 11	5 ± 7	8 ± 14
CD29 + CD120b	272 ± 421	73 ± 54	112 ± 94	88 ± 87	177 ± 290
CD29 + CD138	32 ± 58	20 ± 46	20 ± 20	10 ± 17	7 ± 15
CD29 + CD15	237 ± 432	84 ± 119	81 ± 72	137 ± 178	77 ± 68
CD29 + CD1a	2 ± 5	7 ± 19	2 ± 5	0 ± 1	2 ± 5
CD29 + CD2	742 ± 656	216 ± 238	253 ± 251	245 ± 230	757 ± 917
CD29 + CD207	9 ± 18	4 ± 11	3 ± 6	2 ± 6	1 ± 2
CD29 + CD24	276 ± 468	76 ± 79	242 ± 267	149 ± 186	132 ± 108
CD29 + CD28	717 ± 733	70 ± 81	148 ± 179	199 ± 186	380 ± 525
CD29 + CD3	1022 ± 858	461 ± 410	640 ± 576	685 ± 601	1105 ± 1073
CD29 + CD31	6669 ± 3217	3688 ± 3102	5886 ± 3769	5490 ± 2816	5829 ± 3297
CD29 + CD4	2545 ± 2184	1210 ± 1748	1416 ± 1685	1474 ± 1887	2502 ± 2049
CD29 + CD44	2086 ± 1714	1283 ± 882	1731 ± 857	1833 ± 1160	1843 ± 1347
CD29 + CD45	479 ± 460	78 ± 78	143 ± 110	159 ± 139	207 ± 240
CD29 + CD45RA	273 ± 198	159 ± 87	151 ± 48	123 ± 67	155 ± 79
CD29 + CD45RO	163 ± 211	35 ± 39	73 ± 47	74 ± 92	111 ± 195
CD29 + CD52	950 ± 1019	108 ± 111	226 ± 349	437 ± 897	571 ± 1079
CD29 + CD54	8793 ± 3876	4145 ± 3893	6785 ± 3512	5854 ± 3297	6208 ± 3455
CD29 + CD56	305 ± 441	121 ± 155	144 ± 161	114 ± 157	144 ± 192
CD29 + CD58	1664 ± 1238	1256 ± 1129	1042 ± 1060	1516 ± 1070	2188 ± 2557
CD29 + CD62E	1288 ± 1127	311 ± 406	1306 ± 1875	802 ± 1161	773 ± 681
CD29 + CD62P	3172 ± 2151	1701 ± 1715	2949 ± 1717	2526 ± 1706	2577 ± 1509
CD29 + CD68	2408 ± 1907	1537 ± 1166	2369 ± 1046	1971 ± 1436	2166 ± 1145
CD29 + CD7	379 ± 492	175 ± 201	239 ± 241	331 ± 377	257 ± 253
CD29 + CD8a	119 ± 80	97 ± 96	109 ± 87	96 ± 72	120 ± 110
CD29 + CK14	9 ± 18	4 ± 9	4 ± 7	4 ± 6	2 ± 6
CD29 + CLA	99 ± 73	47 ± 53	80 ± 65	72 ± 69	76 ± 82
CD29 + c-myc	2455 ± 4078	724 ± 1314	2231 ± 3099	732 ± 1380	568 ± 1303
CD29 + Collagen IV	6594 ± 2864	3643 ± 3103	6732 ± 3332	5956 ± 3164	5580 ± 3322
CD29 + FXIIIA	212 ± 174	191 ± 178	371 ± 548	174 ± 163	537 ± 659
CD29 + HLA-DR	5552 ± 2062	3303 ± 2676	4493 ± 2341	4245 ± 2696	4109 ± 2617
CD29 + IL-22R	5 ± 10	6 ± 11	5 ± 10	5 ± 10	7 ± 11
CD29 + IL-23R	105 ± 194	95 ± 245	48 ± 70	38 ± 40	163 ± 269
CD29 + Ki67	5 ± 11	1 ± 2	7 ± 13	1 ± 2	2 ± 5
CD29 + PI	5482 ± 2196	2854 ± 2250	4426 ± 2239	4043 ± 2117	4394 ± 2190
CD29 + Podoplanin	619 ± 407	310 ± 226	428 ± 193	297 ± 181	298 ± 183
CD29 + SNA1	8472 ± 4042	4469 ± 3514	7686 ± 3726	6198 ± 3203	5968 ± 3353
CD29 + STAT3	91 ± 114	76 ± 90	71 ± 87	62 ± 98	54 ± 87
CD29 + TIA1	214 ± 222	106 ± 83	211 ± 148	156 ± 121	173 ± 219
CD29 + Vimentin	5063 ± 2231	2292 ± 1859	4258 ± 2153	4171 ± 2022	2896 ± 1727

Tabelle 292: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	575 ± 648	391 ± 394	309 ± 369	359 ± 663	682 ± 867
CD3 + BCL2	98 ± 122	30 ± 29	97 ± 174	34 ± 29	156 ± 323
CD3 + CCR6	64 ± 73	29 ± 50	37 ± 46	72 ± 89	59 ± 72
CD3 + CD11a	820 ± 664	290 ± 279	498 ± 413	515 ± 500	554 ± 435
CD3 + CD11b	185 ± 134	189 ± 223	114 ± 111	217 ± 162	363 ± 242
CD3 + CD120a	2 ± 3	1 ± 2	3 ± 6	1 ± 2	10 ± 29
CD3 + CD120b	115 ± 117	42 ± 33	59 ± 67	58 ± 64	250 ± 531
CD3 + CD138	4 ± 14	5 ± 17	3 ± 7	2 ± 6	0 ± 0
CD3 + CD15	66 ± 166	14 ± 22	12 ± 17	23 ± 34	14 ± 30
CD3 + CD1a	5 ± 9	32 ± 90	2 ± 5	6 ± 14	13 ± 27
CD3 + CD2	928 ± 724	330 ± 293	463 ± 349	473 ± 344	1098 ± 1420
CD3 + CD207	17 ± 28	25 ± 60	9 ± 25	32 ± 79	27 ± 44
CD3 + CD24	69 ± 107	24 ± 19	46 ± 44	61 ± 100	49 ± 52
CD3 + CD28	928 ± 799	213 ± 336	346 ± 378	470 ± 373	826 ± 1137
CD3 + CD29	1022 ± 858	461 ± 410	640 ± 576	685 ± 601	1105 ± 1073
CD3 + CD31	567 ± 711	350 ± 269	329 ± 327	501 ± 472	974 ± 1144
CD3 + CD4	1325 ± 1250	613 ± 606	782 ± 599	928 ± 608	1630 ± 1555
CD3 + CD44	853 ± 1001	616 ± 474	776 ± 511	855 ± 584	797 ± 399
CD3 + CD45	758 ± 671	212 ± 204	394 ± 292	455 ± 401	515 ± 580
CD3 + CD45RA	153 ± 173	70 ± 54	70 ± 37	83 ± 42	128 ± 154
CD3 + CD45RO	313 ± 343	78 ± 158	194 ± 181	222 ± 303	442 ± 829
CD3 + CD52	958 ± 865	281 ± 441	363 ± 453	533 ± 708	968 ± 1702
CD3 + CD54	1296 ± 1157	716 ± 502	728 ± 597	961 ± 605	1383 ± 1266
CD3 + CD56	53 ± 128	9 ± 14	17 ± 13	11 ± 11	26 ± 44
CD3 + CD58	226 ± 312	156 ± 177	116 ± 125	295 ± 373	819 ± 1562
CD3 + CD62E	204 ± 305	47 ± 70	70 ± 104	65 ± 92	122 ± 167
CD3 + CD62P	309 ± 471	103 ± 115	149 ± 166	145 ± 177	261 ± 242
CD3 + CD68	194 ± 169	130 ± 123	245 ± 215	206 ± 287	271 ± 220
CD3 + CD7	487 ± 674	145 ± 150	358 ± 379	399 ± 436	414 ± 421
CD3 + CD8a	180 ± 116	180 ± 139	194 ± 101	172 ± 131	304 ± 378
CD3 + CK14	2 ± 6	2 ± 6	1 ± 1	0 ± 1	0 ± 1
CD3 + CLA	137 ± 129	75 ± 61	94 ± 65	135 ± 139	128 ± 98
CD3 + c-myc	167 ± 324	52 ± 88	81 ± 119	19 ± 40	14 ± 37
CD3 + Collagen IV	754 ± 818	587 ± 465	705 ± 568	787 ± 544	997 ± 798
CD3 + FXIIIA	19 ± 24	30 ± 32	32 ± 28	31 ± 29	111 ± 99
CD3 + HLA-DR	1026 ± 784	724 ± 475	802 ± 532	919 ± 628	1014 ± 572
CD3 + IL-22R	1 ± 3	1 ± 3	1 ± 3	2 ± 4	12 ± 29
CD3 + IL-23R	9 ± 27	8 ± 24	3 ± 10	3 ± 3	15 ± 21
CD3 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	4 ± 13
CD3 + PI	1029 ± 813	585 ± 434	776 ± 551	864 ± 673	1273 ± 1241
CD3 + Podoplanin	539 ± 689	317 ± 598	418 ± 605	622 ± 690	416 ± 688
CD3 + SNA1	923 ± 1026	616 ± 474	716 ± 594	646 ± 458	906 ± 655
CD3 + STAT3	5 ± 14	5 ± 14	2 ± 5	1 ± 2	2 ± 5
CD3 + TIA1	109 ± 182	33 ± 25	46 ± 45	49 ± 50	82 ± 87
CD3 + Vimentin	663 ± 629	370 ± 359	495 ± 345	597 ± 377	578 ± 464

Tabelle 293: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	4613 ± 2582	2754 ± 2061	3986 ± 2783	3657 ± 2904	4188 ± 2965
CD31 + BCL2	155 ± 198	32 ± 35	510 ± 1094	32 ± 33	140 ± 261
CD31 + CCR6	33 ± 51	8 ± 9	9 ± 10	21 ± 31	16 ± 20
CD31 + CD11a	221 ± 306	65 ± 53	72 ± 71	155 ± 246	130 ± 144
CD31 + CD11b	307 ± 304	205 ± 265	224 ± 264	397 ± 629	530 ± 610
CD31 + CD120a	5 ± 6	3 ± 6	5 ± 7	9 ± 15	5 ± 9
CD31 + CD120b	29 ± 40	23 ± 22	15 ± 26	27 ± 63	116 ± 234
CD31 + CD138	1 ± 2	0 ± 1	4 ± 9	4 ± 13	0 ± 0
CD31 + CD15	60 ± 77	45 ± 76	37 ± 62	138 ± 271	49 ± 73
CD31 + CD1a	1 ± 1	15 ± 48	0 ± 1	0 ± 1	14 ± 39
CD31 + CD2	432 ± 440	140 ± 134	122 ± 130	145 ± 100	685 ± 900
CD31 + CD207	6 ± 12	11 ± 29	2 ± 6	6 ± 14	23 ± 66
CD31 + CD24	22 ± 32	12 ± 13	78 ± 148	63 ± 169	87 ± 149
CD31 + CD28	390 ± 476	44 ± 45	72 ± 104	128 ± 122	406 ± 630
CD31 + CD29	6669 ± 3217	3688 ± 3102	5886 ± 3769	5490 ± 2816	5829 ± 3297
CD31 + CD3	567 ± 711	350 ± 269	329 ± 327	501 ± 472	974 ± 1144
CD31 + CD4	1975 ± 1963	983 ± 1190	1019 ± 1149	1312 ± 1546	2282 ± 1662
CD31 + CD44	1091 ± 1434	842 ± 606	780 ± 596	1099 ± 747	1114 ± 920
CD31 + CD45	198 ± 315	33 ± 36	33 ± 33	111 ± 165	124 ± 157
CD31 + CD45RA	123 ± 145	94 ± 89	65 ± 54	91 ± 72	90 ± 74
CD31 + CD45RO	50 ± 82	7 ± 11	15 ± 23	23 ± 27	129 ± 239
CD31 + CD52	546 ± 647	96 ± 121	130 ± 223	433 ± 763	715 ± 1518
CD31 + CD54	6860 ± 3963	3668 ± 3498	5339 ± 3609	5882 ± 3282	6216 ± 4485
CD31 + CD56	37 ± 59	18 ± 48	21 ± 47	27 ± 48	39 ± 55
CD31 + CD58	1314 ± 992	1138 ± 1054	854 ± 886	1592 ± 1352	2427 ± 3405
CD31 + CD62E	1234 ± 1151	325 ± 425	1269 ± 1795	888 ± 1214	1018 ± 1218
CD31 + CD62P	3009 ± 2123	1765 ± 1771	2826 ± 1910	2797 ± 1978	2878 ± 1728
CD31 + CD68	2061 ± 1666	1457 ± 1034	2063 ± 1063	1855 ± 1428	2142 ± 1151
CD31 + CD7	273 ± 469	135 ± 152	133 ± 120	256 ± 303	200 ± 214
CD31 + CD8a	47 ± 52	49 ± 52	43 ± 52	52 ± 38	80 ± 92
CD31 + CK14	2 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 3
CD31 + CLA	34 ± 38	18 ± 17	34 ± 50	36 ± 57	51 ± 62
CD31 + c-myc	1749 ± 3079	552 ± 1142	1527 ± 2423	555 ± 1218	387 ± 1110
CD31 + Collagen IV	4404 ± 2753	2716 ± 2153	4187 ± 2863	5017 ± 2489	4551 ± 2449
CD31 + FXIIIA	103 ± 103	117 ± 114	256 ± 440	132 ± 103	447 ± 633
CD31 + HLA-DR	3940 ± 2199	2721 ± 2374	3285 ± 2462	3696 ± 2674	3527 ± 2266
CD31 + IL-22R	5 ± 11	9 ± 18	5 ± 11	8 ± 14	14 ± 23
CD31 + IL-23R	88 ± 162	101 ± 275	43 ± 66	37 ± 46	172 ± 277
CD31 + Ki67	4 ± 9	1 ± 2	7 ± 15	1 ± 2	4 ± 12
CD31 + PI	3807 ± 1826	2206 ± 1603	3067 ± 1919	3396 ± 1877	4073 ± 2755
CD31 + Podoplanin	263 ± 428	152 ± 163	180 ± 274	318 ± 587	319 ± 472
CD31 + SNA1	6165 ± 3726	3659 ± 2915	5407 ± 3612	5561 ± 2793	5450 ± 3016
CD31 + STAT3	56 ± 93	61 ± 98	44 ± 85	52 ± 100	47 ± 92
CD31 + TIA1	175 ± 230	93 ± 87	142 ± 104	150 ± 125	119 ± 123
CD31 + Vimentin	3827 ± 1996	1965 ± 1680	3211 ± 2215	3920 ± 1982	2803 ± 1537

Tabelle 294: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	1631 ± 1510	816 ± 1113	835 ± 1091	1009 ± 1601	1639 ± 1750
CD4 + BCL2	130 ± 162	33 ± 35	88 ± 99	36 ± 31	189 ± 364
CD4 + CCR6	60 ± 76	28 ± 53	37 ± 49	59 ± 63	63 ± 75
CD4 + CD11a	746 ± 751	261 ± 303	390 ± 358	411 ± 353	537 ± 448
CD4 + CD11b	334 ± 291	315 ± 393	205 ± 252	281 ± 267	615 ± 490
CD4 + CD120a	4 ± 5	2 ± 2	5 ± 10	2 ± 2	7 ± 19
CD4 + CD120b	69 ± 97	25 ± 32	29 ± 35	28 ± 27	229 ± 515
CD4 + CD138	3 ± 8	0 ± 0	2 ± 3	2 ± 5	0 ± 0
CD4 + CD15	51 ± 108	9 ± 20	8 ± 11	24 ± 41	11 ± 14
CD4 + CD1a	7 ± 14	28 ± 75	5 ± 13	8 ± 16	19 ± 41
CD4 + CD2	976 ± 863	313 ± 314	415 ± 358	406 ± 269	1173 ± 1555
CD4 + CD207	23 ± 47	31 ± 66	17 ± 46	31 ± 69	39 ± 69
CD4 + CD24	27 ± 38	9 ± 12	21 ± 37	18 ± 27	24 ± 27
CD4 + CD28	958 ± 947	209 ± 355	285 ± 348	400 ± 333	897 ± 1334
CD4 + CD29	2545 ± 2184	1210 ± 1748	1416 ± 1685	1474 ± 1887	2502 ± 2049
CD4 + CD3	1325 ± 1250	613 ± 606	782 ± 599	928 ± 608	1630 ± 1555
CD4 + CD31	1975 ± 1963	983 ± 1190	1019 ± 1149	1312 ± 1546	2282 ± 1662
CD4 + CD44	1229 ± 1574	700 ± 775	855 ± 753	881 ± 699	1152 ± 844
CD4 + CD45	698 ± 763	196 ± 212	312 ± 254	372 ± 297	484 ± 572
CD4 + CD45RA	184 ± 235	72 ± 82	68 ± 62	84 ± 52	129 ± 135
CD4 + CD45RO	303 ± 366	77 ± 163	155 ± 165	175 ± 212	431 ± 800
CD4 + CD52	1027 ± 1114	221 ± 439	284 ± 433	403 ± 485	920 ± 1551
CD4 + CD54	2984 ± 2711	1405 ± 1683	1592 ± 1644	1805 ± 1718	2823 ± 1900
CD4 + CD56	80 ± 103	27 ± 41	33 ± 39	29 ± 41	41 ± 43
CD4 + CD58	580 ± 587	343 ± 311	266 ± 331	512 ± 538	1234 ± 1606
CD4 + CD62E	471 ± 471	139 ± 200	168 ± 206	180 ± 225	277 ± 263
CD4 + CD62P	967 ± 933	465 ± 710	528 ± 707	623 ± 907	913 ± 884
CD4 + CD68	753 ± 707	505 ± 655	616 ± 641	643 ± 847	955 ± 843
CD4 + CD7	508 ± 770	124 ± 131	260 ± 262	275 ± 190	399 ± 417
CD4 + CD8a	109 ± 95	110 ± 145	70 ± 48	81 ± 45	204 ± 313
CD4 + CK14	1 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD4 + CLA	143 ± 162	66 ± 79	82 ± 74	102 ± 95	118 ± 92
CD4 + c-myc	345 ± 903	46 ± 113	134 ± 201	46 ± 115	45 ± 114
CD4 + Collagen IV	2026 ± 2025	1058 ± 1306	1235 ± 1240	1322 ± 1417	2158 ± 1791
CD4 + FXIIIA	75 ± 101	88 ± 105	89 ± 98	83 ± 99	311 ± 423
CD4 + HLA-DR	2019 ± 1635	1244 ± 1443	1345 ± 1407	1536 ± 1528	2000 ± 1363
CD4 + IL-22R	3 ± 5	3 ± 5	3 ± 5	4 ± 5	7 ± 10
CD4 + IL-23R	34 ± 81	14 ± 28	8 ± 11	8 ± 10	72 ± 145
CD4 + Ki67	4 ± 10	1 ± 3	1 ± 3	1 ± 3	5 ± 13
CD4 + PI	1899 ± 1672	982 ± 1178	1110 ± 1119	1257 ± 1334	2137 ± 1531
CD4 + Podoplanin	640 ± 939	385 ± 786	402 ± 773	568 ± 783	449 ± 780
CD4 + SNA1	2452 ± 2444	1188 ± 1446	1383 ± 1402	1413 ± 1624	2236 ± 1691
CD4 + STAT3	12 ± 22	4 ± 8	4 ± 8	4 ± 9	7 ± 12
CD4 + TIA1	137 ± 254	34 ± 59	42 ± 63	42 ± 61	75 ± 86
CD4 + Vimentin	1379 ± 1137	622 ± 591	744 ± 523	868 ± 553	1018 ± 647

Tabelle 295: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1118 ± 1220	1195 ± 1116	995 ± 605	1148 ± 971	1219 ± 1282
CD44 + BCL2	72 ± 120	35 ± 36	92 ± 157	36 ± 31	62 ± 59
CD44 + CCR6	106 ± 108	52 ± 62	59 ± 47	96 ± 100	75 ± 62
CD44 + CD11a	600 ± 666	245 ± 174	491 ± 376	435 ± 469	386 ± 150
CD44 + CD11b	291 ± 264	336 ± 289	247 ± 249	383 ± 279	597 ± 355
CD44 + CD120a	5 ± 5	3 ± 4	7 ± 10	4 ± 4	9 ± 21
CD44 + CD120b	315 ± 504	96 ± 61	144 ± 112	105 ± 103	179 ± 143
CD44 + CD138	17 ± 27	16 ± 40	11 ± 16	7 ± 11	5 ± 9
CD44 + CD15	152 ± 350	53 ± 71	28 ± 26	69 ± 64	39 ± 44
CD44 + CD1a	5 ± 8	19 ± 47	3 ± 7	6 ± 14	3 ± 6
CD44 + CD2	472 ± 612	215 ± 185	342 ± 247	321 ± 279	495 ± 391
CD44 + CD207	14 ± 22	17 ± 36	11 ± 18	32 ± 84	11 ± 18
CD44 + CD24	318 ± 557	107 ± 95	181 ± 147	151 ± 165	150 ± 125
CD44 + CD28	455 ± 569	138 ± 181	242 ± 218	310 ± 239	350 ± 266
CD44 + CD29	2086 ± 1714	1283 ± 882	1731 ± 857	1833 ± 1160	1843 ± 1347
CD44 + CD3	853 ± 1001	616 ± 474	776 ± 511	855 ± 584	797 ± 399
CD44 + CD31	1091 ± 1434	842 ± 606	780 ± 596	1099 ± 747	1114 ± 920
CD44 + CD4	1229 ± 1574	700 ± 775	855 ± 753	881 ± 699	1152 ± 844
CD44 + CD45	584 ± 708	184 ± 136	383 ± 277	371 ± 332	359 ± 316
CD44 + CD45RA	317 ± 333	163 ± 104	184 ± 94	159 ± 95	214 ± 89
CD44 + CD45RO	204 ± 298	60 ± 79	156 ± 118	175 ± 237	198 ± 247
CD44 + CD52	501 ± 672	229 ± 323	279 ± 306	451 ± 788	382 ± 362
CD44 + CD54	2386 ± 2108	1720 ± 1144	1806 ± 968	2031 ± 1117	2082 ± 1230
CD44 + CD56	80 ± 70	93 ± 69	69 ± 42	59 ± 48	85 ± 90
CD44 + CD58	293 ± 232	478 ± 827	197 ± 197	383 ± 272	469 ± 401
CD44 + CD62E	226 ± 345	58 ± 58	110 ± 117	184 ± 291	103 ± 89
CD44 + CD62P	694 ± 918	406 ± 374	456 ± 296	594 ± 468	538 ± 449
CD44 + CD68	314 ± 277	300 ± 225	386 ± 219	346 ± 271	395 ± 279
CD44 + CD7	405 ± 707	141 ± 110	344 ± 366	373 ± 436	268 ± 164
CD44 + CD8a	153 ± 101	157 ± 99	185 ± 86	159 ± 109	197 ± 90
CD44 + CK14	3 ± 5	3 ± 7	1 ± 3	2 ± 3	1 ± 3
CD44 + CLA	131 ± 137	83 ± 63	140 ± 105	157 ± 160	140 ± 100
CD44 + c-myc	431 ± 826	176 ± 315	287 ± 378	138 ± 282	117 ± 264
CD44 + Collagen IV	1679 ± 1819	1534 ± 1106	1800 ± 952	1848 ± 1244	1943 ± 1633
CD44 + FXIIIA	88 ± 96	149 ± 163	107 ± 85	100 ± 89	258 ± 212
CD44 + HLA-DR	2594 ± 1647	2293 ± 1368	2443 ± 1027	2487 ± 1421	2528 ± 1214
CD44 + IL-22R	1 ± 2	9 ± 25	2 ± 2	2 ± 3	6 ± 13
CD44 + IL-23R	6 ± 7	10 ± 20	4 ± 5	5 ± 5	29 ± 65
CD44 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 1	3 ± 8
CD44 + PI	1561 ± 1347	1100 ± 730	1283 ± 631	1338 ± 846	1434 ± 793
CD44 + Podoplanin	950 ± 849	752 ± 566	717 ± 530	825 ± 504	871 ± 460
CD44 + SNA1	2190 ± 2157	1771 ± 1201	1943 ± 967	1816 ± 982	1994 ± 1211
CD44 + STAT3	26 ± 41	41 ± 70	17 ± 24	10 ± 16	9 ± 15
CD44 + TIA1	130 ± 251	52 ± 39	69 ± 43	79 ± 54	97 ± 108
CD44 + Vimentin	1428 ± 1213	1266 ± 874	1347 ± 450	1498 ± 808	1357 ± 683

Tabelle 296: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	247 ± 285	42 ± 48	30 ± 27	33 ± 59	110 ± 180
CD45 + BCL2	80 ± 110	22 ± 23	44 ± 40	29 ± 21	104 ± 202
CD45 + CCR6	60 ± 73	22 ± 42	33 ± 38	59 ± 70	46 ± 52
CD45 + CD11a	688 ± 620	185 ± 186	368 ± 279	377 ± 396	375 ± 372
CD45 + CD11b	121 ± 122	87 ± 69	73 ± 52	103 ± 71	191 ± 201
CD45 + CD120a	2 ± 2	1 ± 1	4 ± 10	1 ± 3	5 ± 15
CD45 + CD120b	85 ± 94	15 ± 16	37 ± 58	29 ± 33	144 ± 325
CD45 + CD138	4 ± 12	1 ± 2	1 ± 2	0 ± 1	0 ± 1
CD45 + CD15	27 ± 65	2 ± 3	4 ± 9	13 ± 22	5 ± 9
CD45 + CD1a	5 ± 9	9 ± 22	2 ± 5	5 ± 13	10 ± 26
CD45 + CD2	612 ± 547	161 ± 175	274 ± 213	268 ± 211	474 ± 585
CD45 + CD207	14 ± 19	10 ± 21	7 ± 12	24 ± 63	21 ± 39
CD45 + CD24	43 ± 72	5 ± 5	19 ± 22	23 ± 39	15 ± 17
CD45 + CD28	598 ± 537	116 ± 185	192 ± 183	270 ± 255	365 ± 552
CD45 + CD29	479 ± 460	78 ± 78	143 ± 110	159 ± 139	207 ± 240
CD45 + CD3	758 ± 671	212 ± 204	394 ± 292	455 ± 401	515 ± 580
CD45 + CD31	198 ± 315	33 ± 36	33 ± 33	111 ± 165	124 ± 157
CD45 + CD4	698 ± 763	196 ± 212	312 ± 254	372 ± 297	484 ± 572
CD45 + CD44	584 ± 708	184 ± 136	383 ± 277	371 ± 332	359 ± 316
CD45 + CD45RA	147 ± 174	41 ± 37	64 ± 37	64 ± 37	89 ± 110
CD45 + CD45RO	285 ± 327	60 ± 129	162 ± 151	180 ± 257	302 ± 502
CD45 + CD52	572 ± 515	115 ± 197	193 ± 213	305 ± 409	355 ± 593
CD45 + CD54	716 ± 786	169 ± 148	248 ± 211	379 ± 380	379 ± 409
CD45 + CD56	13 ± 19	3 ± 4	9 ± 9	5 ± 7	10 ± 25
CD45 + CD58	125 ± 174	42 ± 50	32 ± 49	123 ± 214	211 ± 454
CD45 + CD62E	63 ± 93	5 ± 15	10 ± 15	15 ± 32	12 ± 20
CD45 + CD62P	104 ± 163	9 ± 12	13 ± 11	24 ± 30	18 ± 42
CD45 + CD68	97 ± 104	28 ± 43	57 ± 55	43 ± 57	62 ± 50
CD45 + CD7	361 ± 463	84 ± 89	232 ± 250	247 ± 304	267 ± 365
CD45 + CD8a	140 ± 89	75 ± 54	122 ± 76	105 ± 74	190 ± 250
CD45 + CK14	2 ± 5	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD45 + CLA	113 ± 128	42 ± 36	70 ± 55	91 ± 114	81 ± 62
CD45 + c-myc	65 ± 141	1 ± 3	8 ± 15	1 ± 3	2 ± 3
CD45 + Collagen IV	312 ± 438	82 ± 63	145 ± 115	208 ± 219	207 ± 280
CD45 + FXIIIA	13 ± 14	7 ± 8	13 ± 12	12 ± 13	49 ± 83
CD45 + HLA-DR	626 ± 561	192 ± 150	327 ± 192	346 ± 305	338 ± 251
CD45 + IL-22R	0 ± 1	0 ± 1	1 ± 1	1 ± 2	2 ± 4
CD45 + IL-23R	7 ± 20	1 ± 2	0 ± 1	1 ± 1	9 ± 17
CD45 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 1	4 ± 13
CD45 + PI	586 ± 564	167 ± 175	309 ± 241	310 ± 282	380 ± 389
CD45 + Podoplanin	341 ± 429	104 ± 221	164 ± 233	261 ± 308	132 ± 223
CD45 + SNA1	430 ± 632	91 ± 60	175 ± 136	154 ± 117	179 ± 236
CD45 + STAT3	5 ± 13	1 ± 1	1 ± 1	1 ± 3	1 ± 3
CD45 + TIA1	58 ± 69	24 ± 26	34 ± 26	40 ± 42	63 ± 85
CD45 + Vimentin	342 ± 401	100 ± 112	192 ± 157	221 ± 205	171 ± 197

Tabelle 297: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	123 ± 140	110 ± 102	51 ± 23	59 ± 65	66 ± 63
CD45RA + BCL2	21 ± 27	10 ± 13	14 ± 24	9 ± 9	26 ± 43
CD45RA + CCR6	56 ± 75	40 ± 74	31 ± 37	26 ± 34	28 ± 32
CD45RA + CD11a	187 ± 205	70 ± 42	94 ± 65	82 ± 51	98 ± 97
CD45RA + CD11b	56 ± 49	79 ± 103	58 ± 41	75 ± 50	95 ± 63
CD45RA + CD120a	1 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD45RA + CD120b	67 ± 74	15 ± 14	25 ± 25	11 ± 12	66 ± 101
CD45RA + CD138	28 ± 42	25 ± 55	15 ± 21	9 ± 19	9 ± 19
CD45RA + CD15	29 ± 44	20 ± 42	13 ± 19	11 ± 17	12 ± 16
CD45RA + CD1a	1 ± 2	2 ± 4	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD2	104 ± 112	49 ± 62	50 ± 44	54 ± 49	104 ± 125
CD45RA + CD207	3 ± 6	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD24	63 ± 63	18 ± 26	33 ± 34	22 ± 29	43 ± 32
CD45RA + CD28	90 ± 115	15 ± 15	18 ± 14	26 ± 18	70 ± 122
CD45RA + CD29	273 ± 198	159 ± 87	151 ± 48	123 ± 67	155 ± 79
CD45RA + CD3	153 ± 173	70 ± 54	70 ± 37	83 ± 42	128 ± 154
CD45RA + CD31	123 ± 145	94 ± 89	65 ± 54	91 ± 72	90 ± 74
CD45RA + CD4	184 ± 235	72 ± 82	68 ± 62	84 ± 52	129 ± 135
CD45RA + CD44	317 ± 333	163 ± 104	184 ± 94	159 ± 95	214 ± 89
CD45RA + CD45	147 ± 174	41 ± 37	64 ± 37	64 ± 37	89 ± 110
CD45RA + CD45RO	50 ± 69	25 ± 44	24 ± 19	15 ± 18	52 ± 98
CD45RA + CD52	110 ± 120	29 ± 40	23 ± 21	46 ± 50	88 ± 156
CD45RA + CD54	310 ± 318	156 ± 107	156 ± 114	165 ± 81	191 ± 145
CD45RA + CD56	45 ± 56	39 ± 69	31 ± 40	21 ± 41	30 ± 39
CD45RA + CD58	75 ± 56	72 ± 62	27 ± 36	43 ± 48	89 ± 135
CD45RA + CD62E	22 ± 24	8 ± 10	21 ± 26	21 ± 56	18 ± 22
CD45RA + CD62P	71 ± 89	37 ± 28	49 ± 44	60 ± 71	44 ± 40
CD45RA + CD68	64 ± 58	49 ± 50	46 ± 38	44 ± 41	42 ± 35
CD45RA + CD7	137 ± 170	97 ± 95	90 ± 69	90 ± 69	114 ± 95
CD45RA + CD8a	43 ± 35	36 ± 29	40 ± 26	43 ± 33	63 ± 71
CD45RA + CK14	5 ± 17	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CD45RA + CLA	51 ± 44	29 ± 25	33 ± 24	32 ± 27	46 ± 43
CD45RA + c-myc	52 ± 68	41 ± 81	28 ± 29	14 ± 24	15 ± 24
CD45RA + Collagen IV	186 ± 216	115 ± 78	95 ± 67	96 ± 57	127 ± 96
CD45RA + FXIIIA	36 ± 49	37 ± 71	27 ± 34	17 ± 31	34 ± 30
CD45RA + HLA-DR	359 ± 247	220 ± 111	223 ± 87	202 ± 100	228 ± 87
CD45RA + IL-22R	0 ± 0	0 ± 1	0 ± 0	0 ± 0	1 ± 1
CD45RA + IL-23R	2 ± 3	6 ± 15	1 ± 2	1 ± 1	2 ± 3
CD45RA + Ki67	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + PI	274 ± 239	161 ± 85	166 ± 87	158 ± 76	189 ± 73
CD45RA + Podoplanin	189 ± 184	99 ± 95	86 ± 77	97 ± 83	111 ± 66
CD45RA + SNA1	261 ± 277	144 ± 63	129 ± 54	104 ± 46	129 ± 57
CD45RA + STAT3	37 ± 55	37 ± 72	23 ± 32	14 ± 30	15 ± 29
CD45RA + TIA1	93 ± 112	87 ± 83	81 ± 70	78 ± 73	73 ± 72
CD45RA + Vimentin	173 ± 194	101 ± 77	97 ± 46	97 ± 40	83 ± 52

Tabelle 298: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	82 ± 139	20 ± 38	26 ± 16	26 ± 41	70 ± 137
CD45RO + BCL2	49 ± 81	10 ± 14	30 ± 38	16 ± 20	101 ± 229
CD45RO + CCR6	56 ± 73	30 ± 50	27 ± 29	41 ± 52	40 ± 58
CD45RO + CD11a	290 ± 315	64 ± 139	163 ± 158	176 ± 274	270 ± 443
CD45RO + CD11b	58 ± 68	26 ± 30	47 ± 53	120 ± 247	127 ± 222
CD45RO + CD120a	1 ± 2	0 ± 0	2 ± 5	0 ± 1	7 ± 24
CD45RO + CD120b	32 ± 48	7 ± 13	17 ± 28	14 ± 19	136 ± 330
CD45RO + CD138	23 ± 41	19 ± 44	19 ± 22	7 ± 14	6 ± 14
CD45RO + CD15	20 ± 29	13 ± 31	13 ± 23	73 ± 210	11 ± 21
CD45RO + CD1a	3 ± 6	2 ± 5	1 ± 3	4 ± 10	12 ± 35
CD45RO + CD2	306 ± 340	74 ± 154	171 ± 159	172 ± 202	454 ± 807
CD45RO + CD207	11 ± 17	4 ± 13	5 ± 13	18 ± 44	24 ± 53
CD45RO + CD24	16 ± 31	4 ± 11	13 ± 23	86 ± 250	8 ± 18
CD45RO + CD28	259 ± 281	56 ± 138	107 ± 139	149 ± 206	347 ± 684
CD45RO + CD29	163 ± 211	35 ± 39	73 ± 47	74 ± 92	111 ± 195
CD45RO + CD3	313 ± 343	78 ± 158	194 ± 181	222 ± 303	442 ± 829
CD45RO + CD31	50 ± 82	7 ± 11	15 ± 23	23 ± 27	129 ± 239
CD45RO + CD4	303 ± 366	77 ± 163	155 ± 165	175 ± 212	431 ± 800
CD45RO + CD44	204 ± 298	60 ± 79	156 ± 118	175 ± 237	198 ± 247
CD45RO + CD45	285 ± 327	60 ± 129	162 ± 151	180 ± 257	302 ± 502
CD45RO + CD45RA	50 ± 69	25 ± 44	24 ± 19	15 ± 18	52 ± 98
CD45RO + CD52	233 ± 252	62 ± 148	111 ± 157	166 ± 305	353 ± 751
CD45RO + CD54	247 ± 318	51 ± 95	105 ± 100	151 ± 226	255 ± 482
CD45RO + CD56	30 ± 48	22 ± 46	22 ± 24	9 ± 20	12 ± 21
CD45RO + CD58	55 ± 74	25 ± 45	21 ± 34	27 ± 35	214 ± 518
CD45RO + CD62E	30 ± 73	2 ± 8	20 ± 45	86 ± 271	23 ± 49
CD45RO + CD62P	30 ± 55	4 ± 11	13 ± 24	20 ± 45	18 ± 32
CD45RO + CD68	48 ± 68	21 ± 34	34 ± 33	25 ± 39	41 ± 54
CD45RO + CD7	163 ± 203	33 ± 61	101 ± 89	135 ± 214	188 ± 377
CD45RO + CD8a	57 ± 52	16 ± 27	44 ± 39	40 ± 47	142 ± 301
CD45RO + CK14	5 ± 18	2 ± 7	1 ± 4	1 ± 1	0 ± 0
CD45RO + CLA	67 ± 106	15 ± 28	38 ± 38	122 ± 236	52 ± 62
CD45RO + c-myc	31 ± 60	18 ± 44	16 ± 18	4 ± 8	5 ± 9
CD45RO + Collagen IV	115 ± 159	26 ± 43	86 ± 79	114 ± 150	128 ± 191
CD45RO + FXIIIA	26 ± 38	22 ± 43	28 ± 24	10 ± 8	41 ± 53
CD45RO + HLA-DR	252 ± 263	78 ± 103	154 ± 113	166 ± 213	208 ± 262
CD45RO + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	3 ± 5
CD45RO + IL-23R	14 ± 40	2 ± 4	5 ± 10	14 ± 44	10 ± 17
CD45RO + Ki67	1 ± 2	0 ± 0	0 ± 0	1 ± 2	4 ± 13
CD45RO + PI	286 ± 333	66 ± 141	183 ± 181	221 ± 271	315 ± 520
CD45RO + Podoplanin	201 ± 273	79 ± 163	110 ± 155	146 ± 199	133 ± 203
CD45RO + SNA1	178 ± 272	37 ± 44	107 ± 98	107 ± 163	92 ± 127
CD45RO + STAT3	29 ± 49	21 ± 46	17 ± 25	23 ± 52	10 ± 19
CD45RO + TIA1	48 ± 70	20 ± 38	26 ± 27	84 ± 225	45 ± 63
CD45RO + Vimentin	175 ± 240	55 ± 91	121 ± 104	127 ± 143	117 ± 137

Tabelle 299: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	670 ± 809	102 ± 159	104 ± 204	254 ± 662	469 ± 1007
CD52 + BCL2	82 ± 104	17 ± 22	54 ± 119	23 ± 24	133 ± 325
CD52 + CCR6	56 ± 75	29 ± 53	27 ± 44	55 ± 87	46 ± 70
CD52 + CD11a	574 ± 494	131 ± 239	223 ± 263	341 ± 561	358 ± 468
CD52 + CD11b	130 ± 142	67 ± 115	52 ± 93	77 ± 81	183 ± 252
CD52 + CD120a	1 ± 2	1 ± 1	1 ± 2	2 ± 3	8 ± 24
CD52 + CD120b	85 ± 92	20 ± 26	33 ± 43	32 ± 48	202 ± 510
CD52 + CD138	9 ± 20	11 ± 34	10 ± 20	2 ± 6	0 ± 1
CD52 + CD15	79 ± 173	14 ± 32	6 ± 6	16 ± 30	12 ± 23
CD52 + CD1a	6 ± 10	14 ± 34	2 ± 7	7 ± 15	13 ± 24
CD52 + CD2	771 ± 765	135 ± 241	201 ± 242	221 ± 266	695 ± 1343
CD52 + CD207	20 ± 35	21 ± 45	11 ± 36	35 ± 83	24 ± 47
CD52 + CD24	51 ± 89	8 ± 13	36 ± 59	24 ± 26	28 ± 44
CD52 + CD28	796 ± 783	123 ± 291	196 ± 312	285 ± 408	663 ± 1196
CD52 + CD29	950 ± 1019	108 ± 111	226 ± 349	437 ± 897	571 ± 1079
CD52 + CD3	958 ± 865	281 ± 441	363 ± 453	533 ± 708	968 ± 1702
CD52 + CD31	546 ± 647	96 ± 121	130 ± 223	433 ± 763	715 ± 1518
CD52 + CD4	1027 ± 1114	221 ± 439	284 ± 433	403 ± 485	920 ± 1551
CD52 + CD44	501 ± 672	229 ± 323	279 ± 306	451 ± 788	382 ± 362
CD52 + CD45	572 ± 515	115 ± 197	193 ± 213	305 ± 409	355 ± 593
CD52 + CD45RA	110 ± 120	29 ± 40	23 ± 21	46 ± 50	88 ± 156
CD52 + CD45RO	233 ± 252	62 ± 148	111 ± 157	166 ± 305	353 ± 751
CD52 + CD54	1179 ± 1260	234 ± 304	281 ± 378	715 ± 1249	866 ± 1618
CD52 + CD56	40 ± 70	12 ± 32	9 ± 10	4 ± 4	12 ± 23
CD52 + CD58	231 ± 377	59 ± 77	62 ± 89	203 ± 307	677 ± 1600
CD52 + CD62E	293 ± 326	27 ± 42	75 ± 164	201 ± 586	222 ± 510
CD52 + CD62P	450 ± 578	42 ± 50	81 ± 143	252 ± 583	267 ± 527
CD52 + CD68	232 ± 415	55 ± 107	96 ± 142	166 ± 367	169 ± 250
CD52 + CD7	356 ± 517	59 ± 119	141 ± 163	278 ± 558	285 ± 411
CD52 + CD8a	121 ± 116	65 ± 85	90 ± 93	81 ± 91	197 ± 361
CD52 + CK14	3 ± 10	2 ± 7	0 ± 1	0 ± 0	0 ± 1
CD52 + CLA	100 ± 105	36 ± 48	40 ± 44	86 ± 164	69 ± 65
CD52 + c-myc	166 ± 320	35 ± 76	64 ± 141	53 ± 124	19 ± 60
CD52 + Collagen IV	606 ± 650	202 ± 307	267 ± 369	594 ± 1067	534 ± 696
CD52 + FXIIIA	17 ± 20	20 ± 37	16 ± 22	16 ± 12	48 ± 51
CD52 + HLA-DR	826 ± 762	272 ± 405	310 ± 430	557 ± 931	578 ± 684
CD52 + IL-22R	1 ± 3	1 ± 3	1 ± 3	2 ± 3	8 ± 16
CD52 + IL-23R	14 ± 43	2 ± 5	5 ± 15	2 ± 5	25 ± 68
CD52 + Ki67	0 ± 1	0 ± 0	0 ± 0	1 ± 3	4 ± 13
CD52 + PI	794 ± 774	207 ± 347	305 ± 383	445 ± 679	741 ± 1182
CD52 + Podoplanin	502 ± 635	210 ± 573	243 ± 565	456 ± 692	318 ± 614
CD52 + SNA1	712 ± 672	199 ± 278	260 ± 343	423 ± 585	396 ± 546
CD52 + STAT3	11 ± 21	11 ± 32	3 ± 4	2 ± 3	11 ± 30
CD52 + TIA1	96 ± 156	24 ± 37	21 ± 27	46 ± 91	52 ± 74
CD52 + Vimentin	556 ± 519	200 ± 357	223 ± 329	482 ± 689	308 ± 379

Tabelle 300: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	6094 ± 3222	3381 ± 2667	4918 ± 3064	4071 ± 3180	4673 ± 3064
CD54 + BCL2	211 ± 276	43 ± 35	476 ± 985	43 ± 35	129 ± 193
CD54 + CCR6	95 ± 109	30 ± 46	36 ± 43	69 ± 82	56 ± 61
CD54 + CD11a	743 ± 730	239 ± 209	329 ± 311	450 ± 563	417 ± 316
CD54 + CD11b	586 ± 450	373 ± 378	421 ± 388	568 ± 610	840 ± 635
CD54 + CD120a	12 ± 12	5 ± 9	11 ± 12	10 ± 13	15 ± 32
CD54 + CD120b	155 ± 182	45 ± 32	52 ± 58	55 ± 64	183 ± 372
CD54 + CD138	4 ± 9	1 ± 2	5 ± 16	4 ± 14	0 ± 0
CD54 + CD15	178 ± 261	65 ± 108	83 ± 121	169 ± 323	68 ± 78
CD54 + CD1a	6 ± 11	34 ± 98	5 ± 10	7 ± 16	11 ± 16
CD54 + CD2	925 ± 855	281 ± 263	341 ± 326	345 ± 236	858 ± 897
CD54 + CD207	28 ± 41	28 ± 63	15 ± 33	37 ± 89	23 ± 36
CD54 + CD24	136 ± 197	30 ± 24	143 ± 243	109 ± 237	76 ± 69
CD54 + CD28	880 ± 886	161 ± 233	226 ± 255	341 ± 282	547 ± 634
CD54 + CD29	8793 ± 3876	4145 ± 3893	6785 ± 3512	5854 ± 3297	6208 ± 3455
CD54 + CD3	1296 ± 1157	716 ± 502	728 ± 597	961 ± 605	1383 ± 1266
CD54 + CD31	6860 ± 3963	3668 ± 3498	5339 ± 3609	5882 ± 3282	6216 ± 4485
CD54 + CD4	2984 ± 2711	1405 ± 1683	1592 ± 1644	1805 ± 1718	2823 ± 1900
CD54 + CD44	2386 ± 2108	1720 ± 1144	1806 ± 968	2031 ± 1117	2082 ± 1230
CD54 + CD45	716 ± 786	169 ± 148	248 ± 211	379 ± 380	379 ± 409
CD54 + CD45RA	310 ± 318	156 ± 107	156 ± 114	165 ± 81	191 ± 145
CD54 + CD45RO	247 ± 318	51 ± 95	105 ± 100	151 ± 226	255 ± 482
CD54 + CD52	1179 ± 1260	234 ± 304	281 ± 378	715 ± 1249	866 ± 1618
CD54 + CD56	132 ± 219	56 ± 132	65 ± 128	62 ± 129	89 ± 143
CD54 + CD58	1521 ± 1208	1320 ± 1280	879 ± 1055	1602 ± 1358	2243 ± 2659
CD54 + CD62E	1439 ± 1308	353 ± 449	1432 ± 1988	937 ± 1234	981 ± 1141
CD54 + CD62P	3415 ± 2204	1806 ± 1830	3284 ± 2033	2905 ± 1894	2887 ± 1676
CD54 + CD68	2191 ± 1763	1280 ± 1046	1983 ± 886	1662 ± 1249	1890 ± 966
CD54 + CD7	534 ± 780	207 ± 196	311 ± 332	452 ± 541	391 ± 350
CD54 + CD8a	142 ± 102	145 ± 128	110 ± 63	127 ± 66	198 ± 229
CD54 + CK14	1 ± 2	1 ± 1	1 ± 1	1 ± 2	1 ± 2
CD54 + CLA	173 ± 156	70 ± 68	103 ± 82	145 ± 190	112 ± 94
CD54 + c-myc	2477 ± 4232	610 ± 1251	1906 ± 2666	660 ± 1329	512 ± 1265
CD54 + Collagen IV	6351 ± 3363	3411 ± 2879	5497 ± 2848	5404 ± 2729	5162 ± 2892
CD54 + FXIIIA	155 ± 137	144 ± 144	305 ± 445	163 ± 140	489 ± 590
CD54 + HLA-DR	6323 ± 2632	3779 ± 2961	4833 ± 2569	4783 ± 3041	4643 ± 2831
CD54 + IL-22R	5 ± 11	13 ± 27	5 ± 11	8 ± 14	9 ± 13
CD54 + IL-23R	86 ± 154	77 ± 197	39 ± 57	36 ± 50	117 ± 183
CD54 + Ki67	6 ± 13	1 ± 4	5 ± 9	1 ± 4	3 ± 6
CD54 + PI	5399 ± 2489	2685 ± 2089	3869 ± 2104	3759 ± 1976	4297 ± 2378
CD54 + Podoplanin	907 ± 1012	368 ± 545	329 ± 535	605 ± 693	338 ± 521
CD54 + SNA1	8494 ± 4766	4245 ± 3458	6744 ± 3611	5755 ± 3022	5979 ± 3392
CD54 + STAT3	58 ± 94	60 ± 99	48 ± 84	52 ± 101	43 ± 89
CD54 + TIA1	271 ± 299	116 ± 105	256 ± 194	210 ± 179	171 ± 159
CD54 + Vimentin	5203 ± 2513	2389 ± 1969	3883 ± 1898	4100 ± 1752	3026 ± 1777

Tabelle 301: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	257 ± 432	88 ± 136	88 ± 144	72 ± 135	86 ± 156
CD56 + BCL2	9 ± 18	1 ± 1	5 ± 10	0 ± 1	1 ± 2
CD56 + CCR6	39 ± 57	33 ± 66	25 ± 35	18 ± 32	19 ± 31
CD56 + CD11a	14 ± 22	2 ± 4	13 ± 14	4 ± 5	4 ± 5
CD56 + CD11b	21 ± 30	20 ± 31	19 ± 31	21 ± 31	28 ± 30
CD56 + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD56 + CD120b	6 ± 15	4 ± 10	2 ± 2	2 ± 2	5 ± 9
CD56 + CD138	29 ± 44	26 ± 59	16 ± 22	9 ± 19	9 ± 18
CD56 + CD15	16 ± 26	19 ± 45	8 ± 16	5 ± 16	10 ± 21
CD56 + CD1a	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	21 ± 37	2 ± 3	11 ± 13	5 ± 10	10 ± 20
CD56 + CD207	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	8 ± 20	7 ± 12	5 ± 5	2 ± 3	10 ± 16
CD56 + CD28	42 ± 94	2 ± 3	4 ± 4	3 ± 4	8 ± 16
CD56 + CD29	305 ± 441	121 ± 155	144 ± 161	114 ± 157	144 ± 192
CD56 + CD3	53 ± 128	9 ± 14	17 ± 13	11 ± 11	26 ± 44
CD56 + CD31	37 ± 59	18 ± 48	21 ± 47	27 ± 48	39 ± 55
CD56 + CD4	80 ± 103	27 ± 41	33 ± 39	29 ± 41	41 ± 43
CD56 + CD44	80 ± 70	93 ± 69	69 ± 42	59 ± 48	85 ± 90
CD56 + CD45	13 ± 19	3 ± 4	9 ± 9	5 ± 7	10 ± 25
CD56 + CD45RA	45 ± 56	39 ± 69	31 ± 40	21 ± 41	30 ± 39
CD56 + CD45RO	30 ± 48	22 ± 46	22 ± 24	9 ± 20	12 ± 21
CD56 + CD52	40 ± 70	12 ± 32	9 ± 10	4 ± 4	12 ± 23
CD56 + CD54	132 ± 219	56 ± 132	65 ± 128	62 ± 129	89 ± 143
CD56 + CD58	69 ± 96	50 ± 86	44 ± 84	41 ± 82	53 ± 92
CD56 + CD62E	0 ± 0	2 ± 7	1 ± 4	0 ± 0	1 ± 5
CD56 + CD62P	6 ± 13	5 ± 11	3 ± 5	3 ± 5	3 ± 7
CD56 + CD68	93 ± 168	37 ± 38	40 ± 35	32 ± 39	40 ± 36
CD56 + CD7	16 ± 23	5 ± 5	11 ± 12	7 ± 7	8 ± 14
CD56 + CD8a	6 ± 7	3 ± 6	4 ± 6	4 ± 6	5 ± 6
CD56 + CK14	5 ± 18	2 ± 7	1 ± 4	0 ± 0	0 ± 0
CD56 + CLA	9 ± 12	5 ± 9	6 ± 8	4 ± 9	6 ± 9
CD56 + c-myc	93 ± 208	40 ± 80	30 ± 31	16 ± 27	18 ± 27
CD56 + Collagen IV	166 ± 192	123 ± 128	131 ± 139	109 ± 127	144 ± 178
CD56 + FXIIIA	51 ± 60	43 ± 69	30 ± 38	19 ± 34	29 ± 34
CD56 + HLA-DR	102 ± 69	101 ± 72	94 ± 51	80 ± 59	105 ± 56
CD56 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + IL-23R	5 ± 11	2 ± 4	1 ± 2	0 ± 1	1 ± 2
CD56 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + PI	157 ± 275	63 ± 100	66 ± 98	62 ± 102	96 ± 120
CD56 + Podoplanin	85 ± 68	101 ± 98	70 ± 43	46 ± 55	81 ± 47
CD56 + SNA1	191 ± 290	101 ± 91	106 ± 82	82 ± 89	126 ± 132
CD56 + STAT3	38 ± 56	37 ± 77	29 ± 37	15 ± 32	15 ± 32
CD56 + TIA1	28 ± 42	26 ± 55	19 ± 32	12 ± 31	13 ± 31
CD56 + Vimentin	136 ± 192	83 ± 66	72 ± 39	67 ± 45	92 ± 98

Tabelle 302: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	1155 ± 860	1100 ± 1067	697 ± 684	879 ± 764	1401 ± 1856
CD58 + BCL2	75 ± 84	22 ± 32	77 ± 153	21 ± 28	152 ± 340
CD58 + CCR6	29 ± 34	23 ± 39	15 ± 19	21 ± 20	28 ± 43
CD58 + CD11a	135 ± 214	57 ± 68	44 ± 69	124 ± 209	213 ± 311
CD58 + CD11b	53 ± 62	56 ± 56	34 ± 56	97 ± 124	232 ± 344
CD58 + CD120a	2 ± 4	2 ± 4	3 ± 4	7 ± 12	10 ± 27
CD58 + CD120b	31 ± 52	24 ± 26	13 ± 17	26 ± 58	199 ± 512
CD58 + CD138	14 ± 24	14 ± 37	6 ± 9	3 ± 7	3 ± 7
CD58 + CD15	19 ± 26	21 ± 37	11 ± 26	32 ± 38	18 ± 26
CD58 + CD1a	2 ± 3	31 ± 92	1 ± 2	1 ± 2	11 ± 22
CD58 + CD2	169 ± 233	60 ± 65	55 ± 69	75 ± 67	530 ± 1275
CD58 + CD207	6 ± 10	20 ± 56	3 ± 9	4 ± 9	15 ± 32
CD58 + CD24	8 ± 8	11 ± 18	10 ± 11	10 ± 14	38 ± 62
CD58 + CD28	210 ± 335	59 ± 83	58 ± 78	116 ± 119	514 ± 1061
CD58 + CD29	1664 ± 1238	1256 ± 1129	1042 ± 1060	1516 ± 1070	2188 ± 2557
CD58 + CD3	226 ± 312	156 ± 177	116 ± 125	295 ± 373	819 ± 1562
CD58 + CD31	1314 ± 992	1138 ± 1054	854 ± 886	1592 ± 1352	2427 ± 3405
CD58 + CD4	580 ± 587	343 ± 311	266 ± 331	512 ± 538	1234 ± 1606
CD58 + CD44	293 ± 232	478 ± 827	197 ± 197	383 ± 272	469 ± 401
CD58 + CD45	125 ± 174	42 ± 50	32 ± 49	123 ± 214	211 ± 454
CD58 + CD45RA	75 ± 56	72 ± 62	27 ± 36	43 ± 48	89 ± 135
CD58 + CD45RO	55 ± 74	25 ± 45	21 ± 34	27 ± 35	214 ± 518
CD58 + CD52	231 ± 377	59 ± 77	62 ± 89	203 ± 307	677 ± 1600
CD58 + CD54	1521 ± 1208	1320 ± 1280	879 ± 1055	1602 ± 1358	2243 ± 2659
CD58 + CD56	69 ± 96	50 ± 86	44 ± 84	41 ± 82	53 ± 92
CD58 + CD62E	210 ± 247	112 ± 157	155 ± 191	187 ± 185	351 ± 553
CD58 + CD62P	397 ± 425	472 ± 530	320 ± 403	550 ± 429	712 ± 672
CD58 + CD68	587 ± 551	501 ± 478	470 ± 372	458 ± 413	731 ± 640
CD58 + CD7	69 ± 65	86 ± 118	36 ± 43	102 ± 131	192 ± 319
CD58 + CD8a	26 ± 39	29 ± 51	13 ± 14	25 ± 24	95 ± 222
CD58 + CK14	4 ± 14	2 ± 7	1 ± 3	1 ± 2	0 ± 1
CD58 + CLA	15 ± 18	16 ± 22	10 ± 14	23 ± 38	34 ± 51
CD58 + c-myc	216 ± 351	141 ± 348	201 ± 367	141 ± 352	126 ± 352
CD58 + Collagen IV	1204 ± 989	917 ± 924	726 ± 721	1350 ± 1149	1429 ± 1390
CD58 + FXIIIA	38 ± 33	44 ± 48	40 ± 36	33 ± 33	155 ± 300
CD58 + HLA-DR	1003 ± 919	985 ± 1031	565 ± 788	942 ± 811	1229 ± 1045
CD58 + IL-22R	2 ± 4	9 ± 26	2 ± 4	5 ± 10	9 ± 16
CD58 + IL-23R	33 ± 52	73 ± 212	13 ± 25	15 ± 20	36 ± 71
CD58 + Ki67	1 ± 4	0 ± 0	1 ± 4	0 ± 0	4 ± 13
CD58 + PI	968 ± 698	819 ± 726	559 ± 608	989 ± 815	1776 ± 2592
CD58 + Podoplanin	143 ± 175	109 ± 166	67 ± 150	245 ± 523	197 ± 295
CD58 + SNA1	1380 ± 1102	1198 ± 1123	808 ± 848	1394 ± 1129	1680 ± 1617
CD58 + STAT3	40 ± 55	63 ± 75	27 ± 52	35 ± 58	31 ± 54
CD58 + TIA1	32 ± 26	54 ± 56	15 ± 18	25 ± 17	36 ± 43
CD58 + Vimentin	980 ± 793	776 ± 752	583 ± 646	1234 ± 1141	897 ± 704

Tabelle 303: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	978 ± 1004	248 ± 323	958 ± 1426	556 ± 885	687 ± 781
CD62E + BCL2	39 ± 71	1 ± 2	303 ± 738	2 ± 2	9 ± 18
CD62E + CCR6	14 ± 27	4 ± 8	4 ± 8	4 ± 4	3 ± 3
CD62E + CD11a	80 ± 100	5 ± 11	18 ± 22	40 ± 92	18 ± 32
CD62E + CD11b	189 ± 292	40 ± 88	184 ± 337	336 ± 947	139 ± 174
CD62E + CD120a	1 ± 2	0 ± 1	2 ± 4	1 ± 1	1 ± 4
CD62E + CD120b	8 ± 11	6 ± 11	5 ± 12	1 ± 2	11 ± 22
CD62E + CD138	0 ± 1	2 ± 7	9 ± 24	2 ± 6	0 ± 0
CD62E + CD15	65 ± 149	9 ± 14	50 ± 94	297 ± 923	45 ± 106
CD62E + CD1a	0 ± 0	21 ± 69	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	178 ± 219	23 ± 28	34 ± 55	18 ± 22	71 ± 77
CD62E + CD207	1 ± 3	13 ± 44	0 ± 1	0 ± 0	0 ± 0
CD62E + CD24	20 ± 47	3 ± 10	80 ± 177	312 ± 1018	19 ± 60
CD62E + CD28	148 ± 200	16 ± 43	23 ± 46	18 ± 44	45 ± 88
CD62E + CD29	1288 ± 1127	311 ± 406	1306 ± 1875	802 ± 1161	773 ± 681
CD62E + CD3	204 ± 305	47 ± 70	70 ± 104	65 ± 92	122 ± 167
CD62E + CD31	1234 ± 1151	325 ± 425	1269 ± 1795	888 ± 1214	1018 ± 1218
CD62E + CD4	471 ± 471	139 ± 200	168 ± 206	180 ± 225	277 ± 263
CD62E + CD44	226 ± 345	58 ± 58	110 ± 117	184 ± 291	103 ± 89
CD62E + CD45	63 ± 93	5 ± 15	10 ± 15	15 ± 32	12 ± 20
CD62E + CD45RA	22 ± 24	8 ± 10	21 ± 26	21 ± 56	18 ± 22
CD62E + CD45RO	30 ± 73	2 ± 8	20 ± 45	86 ± 271	23 ± 49
CD62E + CD52	293 ± 326	27 ± 42	75 ± 164	201 ± 586	222 ± 510
CD62E + CD54	1439 ± 1308	353 ± 449	1432 ± 1988	937 ± 1234	981 ± 1141
CD62E + CD56	0 ± 0	2 ± 7	1 ± 4	0 ± 0	1 ± 5
CD62E + CD58	210 ± 247	112 ± 157	155 ± 191	187 ± 185	351 ± 553
CD62E + CD62P	1234 ± 1179	331 ± 447	1252 ± 1605	850 ± 1182	948 ± 1021
CD62E + CD68	545 ± 723	166 ± 212	534 ± 619	410 ± 670	446 ± 410
CD62E + CD7	88 ± 177	4 ± 6	25 ± 42	66 ± 187	38 ± 53
CD62E + CD8a	7 ± 14	2 ± 6	5 ± 6	3 ± 6	12 ± 28
CD62E + CK14	0 ± 0	1 ± 3	0 ± 0	0 ± 1	0 ± 0
CD62E + CLA	17 ± 33	0 ± 1	18 ± 46	262 ± 868	6 ± 12
CD62E + c-myc	439 ± 979	70 ± 202	674 ± 1504	162 ± 362	77 ± 203
CD62E + Collagen IV	596 ± 583	153 ± 213	678 ± 1056	645 ± 1081	420 ± 382
CD62E + FXIIIA	3 ± 7	3 ± 7	138 ± 399	5 ± 9	52 ± 120
CD62E + HLA-DR	830 ± 581	249 ± 298	722 ± 865	549 ± 676	448 ± 323
CD62E + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 3
CD62E + IL-23R	40 ± 106	6 ± 11	24 ± 50	24 ± 70	70 ± 172
CD62E + Ki67	0 ± 0	0 ± 0	1 ± 4	1 ± 3	0 ± 0
CD62E + PI	763 ± 625	196 ± 237	801 ± 1160	708 ± 951	540 ± 465
CD62E + Podoplanin	14 ± 37	10 ± 17	1 ± 2	0 ± 0	0 ± 1
CD62E + SNA1	1141 ± 1206	273 ± 328	1185 ± 1785	769 ± 968	606 ± 556
CD62E + STAT3	28 ± 45	13 ± 27	18 ± 31	38 ± 94	20 ± 39
CD62E + TIA1	104 ± 134	18 ± 31	99 ± 133	338 ± 972	66 ± 105
CD62E + Vimentin	774 ± 737	213 ± 284	801 ± 1174	692 ± 905	381 ± 315

Tabelle 304: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	2609 ± 1892	1438 ± 1391	2402 ± 1610	2100 ± 1821	2270 ± 1468
CD62P + BCL2	48 ± 79	6 ± 12	284 ± 673	7 ± 13	21 ± 33
CD62P + CCR6	26 ± 46	8 ± 11	6 ± 7	11 ± 18	5 ± 6
CD62P + CD11a	117 ± 169	22 ± 16	35 ± 38	46 ± 86	28 ± 55
CD62P + CD11b	192 ± 244	81 ± 135	160 ± 232	155 ± 232	211 ± 327
CD62P + CD120a	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD120b	108 ± 318	22 ± 22	13 ± 19	14 ± 25	13 ± 17
CD62P + CD138	8 ± 20	5 ± 11	10 ± 20	4 ± 6	1 ± 3
CD62P + CD15	174 ± 440	32 ± 42	37 ± 44	101 ± 176	36 ± 49
CD62P + CD1a	1 ± 3	10 ± 29	0 ± 0	0 ± 0	0 ± 1
CD62P + CD2	259 ± 362	45 ± 48	50 ± 76	37 ± 34	168 ± 271
CD62P + CD207	4 ± 11	7 ± 24	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	123 ± 344	15 ± 26	66 ± 125	65 ± 169	20 ± 44
CD62P + CD28	217 ± 334	16 ± 24	32 ± 59	27 ± 44	62 ± 93
CD62P + CD29	3172 ± 2151	1701 ± 1715	2949 ± 1717	2526 ± 1706	2577 ± 1509
CD62P + CD3	309 ± 471	103 ± 115	149 ± 166	145 ± 177	261 ± 242
CD62P + CD31	3009 ± 2123	1765 ± 1771	2826 ± 1910	2797 ± 1978	2878 ± 1728
CD62P + CD4	967 ± 933	465 ± 710	528 ± 707	623 ± 907	913 ± 884
CD62P + CD44	694 ± 918	406 ± 374	456 ± 296	594 ± 468	538 ± 449
CD62P + CD45	104 ± 163	9 ± 12	13 ± 11	24 ± 30	18 ± 42
CD62P + CD45RA	71 ± 89	37 ± 28	49 ± 44	60 ± 71	44 ± 40
CD62P + CD45RO	30 ± 55	4 ± 11	13 ± 24	20 ± 45	18 ± 32
CD62P + CD52	450 ± 578	42 ± 50	81 ± 143	252 ± 583	267 ± 527
CD62P + CD54	3415 ± 2204	1806 ± 1830	3284 ± 2033	2905 ± 1894	2887 ± 1676
CD62P + CD56	6 ± 13	5 ± 11	3 ± 5	3 ± 5	3 ± 7
CD62P + CD58	397 ± 425	472 ± 530	320 ± 403	550 ± 429	712 ± 672
CD62P + CD62E	1234 ± 1179	331 ± 447	1252 ± 1605	850 ± 1182	948 ± 1021
CD62P + CD68	989 ± 982	573 ± 560	974 ± 512	884 ± 870	1004 ± 550
CD62P + CD7	189 ± 354	64 ± 81	82 ± 92	137 ± 191	94 ± 133
CD62P + CD8a	20 ± 37	10 ± 17	9 ± 10	14 ± 24	13 ± 18
CD62P + CK14	1 ± 3	2 ± 6	0 ± 0	0 ± 1	0 ± 0
CD62P + CLA	18 ± 34	1 ± 2	11 ± 26	16 ± 50	4 ± 6
CD62P + c-myc	988 ± 1959	301 ± 663	927 ± 1395	351 ± 748	238 ± 650
CD62P + Collagen IV	1458 ± 944	835 ± 851	1582 ± 944	1638 ± 1211	1481 ± 1007
CD62P + FXIIIA	31 ± 40	28 ± 41	156 ± 377	31 ± 41	136 ± 231
CD62P + HLA-DR	2129 ± 1344	1383 ± 1363	2019 ± 1133	2042 ± 1498	1737 ± 1241
CD62P + IL-22R	3 ± 6	10 ± 25	3 ± 6	4 ± 7	4 ± 7
CD62P + IL-23R	44 ± 103	8 ± 12	25 ± 43	17 ± 30	119 ± 225
CD62P + Ki67	0 ± 1	0 ± 0	1 ± 4	1 ± 3	0 ± 0
CD62P + PI	1756 ± 1064	1021 ± 872	1705 ± 1105	1575 ± 1027	1543 ± 786
CD62P + Podoplanin	34 ± 57	31 ± 56	3 ± 5	8 ± 14	3 ± 5
CD62P + SNA1	2768 ± 2191	1553 ± 1486	2792 ± 1705	2282 ± 1452	2212 ± 1399
CD62P + STAT3	42 ± 72	38 ± 67	30 ± 51	34 ± 67	28 ± 54
CD62P + TIA1	138 ± 202	41 ± 46	129 ± 114	120 ± 133	86 ± 117
CD62P + Vimentin	1846 ± 1331	1015 ± 1027	1867 ± 1094	1846 ± 1064	1337 ± 964

Tabelle 305: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	1590 ± 1551	897 ± 745	1418 ± 891	1166 ± 1047	1339 ± 916
CD68 + BCL2	138 ± 205	36 ± 44	308 ± 606	30 ± 44	79 ± 100
CD68 + CCR6	48 ± 58	26 ± 34	27 ± 33	25 ± 33	31 ± 30
CD68 + CD11a	97 ± 106	43 ± 67	89 ± 107	73 ± 117	73 ± 91
CD68 + CD11b	137 ± 174	152 ± 176	139 ± 172	175 ± 178	327 ± 382
CD68 + CD120a	2 ± 5	2 ± 4	3 ± 4	2 ± 4	3 ± 7
CD68 + CD120b	7 ± 8	9 ± 10	11 ± 15	5 ± 5	31 ± 49
CD68 + CD138	22 ± 38	10 ± 22	10 ± 16	5 ± 14	5 ± 14
CD68 + CD15	31 ± 37	27 ± 37	22 ± 35	31 ± 48	21 ± 34
CD68 + CD1a	1 ± 2	3 ± 6	0 ± 1	0 ± 0	1 ± 2
CD68 + CD2	236 ± 286	92 ± 114	128 ± 133	103 ± 109	259 ± 247
CD68 + CD207	3 ± 5	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD68 + CD24	3 ± 4	4 ± 7	15 ± 25	5 ± 7	5 ± 3
CD68 + CD28	191 ± 283	41 ± 76	80 ± 99	90 ± 110	143 ± 151
CD68 + CD29	2408 ± 1907	1537 ± 1166	2369 ± 1046	1971 ± 1436	2166 ± 1145
CD68 + CD3	194 ± 169	130 ± 123	245 ± 215	206 ± 287	271 ± 220
CD68 + CD31	2061 ± 1666	1457 ± 1034	2063 ± 1063	1855 ± 1428	2142 ± 1151
CD68 + CD4	753 ± 707	505 ± 655	616 ± 641	643 ± 847	955 ± 843
CD68 + CD44	314 ± 277	300 ± 225	386 ± 219	346 ± 271	395 ± 279
CD68 + CD45	97 ± 104	28 ± 43	57 ± 55	43 ± 57	62 ± 50
CD68 + CD45RA	64 ± 58	49 ± 50	46 ± 38	44 ± 41	42 ± 35
CD68 + CD45RO	48 ± 68	21 ± 34	34 ± 33	25 ± 39	41 ± 54
CD68 + CD52	232 ± 415	55 ± 107	96 ± 142	166 ± 367	169 ± 250
CD68 + CD54	2191 ± 1763	1280 ± 1046	1983 ± 886	1662 ± 1249	1890 ± 966
CD68 + CD56	93 ± 168	37 ± 38	40 ± 35	32 ± 39	40 ± 36
CD68 + CD58	587 ± 551	501 ± 478	470 ± 372	458 ± 413	731 ± 640
CD68 + CD62E	545 ± 723	166 ± 212	534 ± 619	410 ± 670	446 ± 410
CD68 + CD62P	989 ± 982	573 ± 560	974 ± 512	884 ± 870	1004 ± 550
CD68 + CD7	80 ± 118	46 ± 81	84 ± 137	92 ± 176	85 ± 129
CD68 + CD8a	20 ± 35	20 ± 36	26 ± 35	22 ± 35	33 ± 39
CD68 + CK14	8 ± 18	5 ± 10	2 ± 7	3 ± 7	2 ± 7
CD68 + CLA	25 ± 21	16 ± 22	25 ± 20	23 ± 21	28 ± 28
CD68 + c-myc	682 ± 1219	276 ± 482	593 ± 738	290 ± 543	205 ± 487
CD68 + Collagen IV	1401 ± 1031	1082 ± 875	1599 ± 760	1460 ± 1184	1637 ± 1037
CD68 + FXIIIA	101 ± 104	93 ± 106	157 ± 174	83 ± 106	316 ± 486
CD68 + HLA-DR	1298 ± 887	976 ± 737	1225 ± 639	1228 ± 890	1206 ± 735
CD68 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD68 + IL-23R	40 ± 54	91 ± 238	32 ± 46	21 ± 27	129 ± 198
CD68 + Ki67	5 ± 10	1 ± 4	6 ± 10	1 ± 4	1 ± 4
CD68 + PI	1536 ± 1184	1032 ± 737	1448 ± 655	1344 ± 1005	1546 ± 779
CD68 + Podoplanin	258 ± 215	189 ± 223	228 ± 234	159 ± 233	189 ± 217
CD68 + SNA1	2021 ± 1616	1385 ± 958	2022 ± 902	1681 ± 1207	1888 ± 1012
CD68 + STAT3	61 ± 86	46 ± 61	43 ± 54	29 ± 57	34 ± 56
CD68 + TIA1	46 ± 43	45 ± 51	46 ± 38	55 ± 77	43 ± 48
CD68 + Vimentin	1423 ± 938	915 ± 724	1443 ± 684	1251 ± 908	1074 ± 730

Tabelle 306: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	220 ± 363	125 ± 193	99 ± 124	162 ± 250	166 ± 266
CD7 + BCL2	62 ± 98	14 ± 12	36 ± 40	23 ± 17	77 ± 152
CD7 + CCR6	36 ± 52	13 ± 26	19 ± 25	46 ± 67	30 ± 36
CD7 + CD11a	376 ± 468	121 ± 108	283 ± 304	293 ± 437	294 ± 323
CD7 + CD11b	78 ± 72	91 ± 97	64 ± 39	105 ± 65	175 ± 155
CD7 + CD120a	1 ± 2	1 ± 1	3 ± 6	1 ± 2	4 ± 11
CD7 + CD120b	38 ± 53	8 ± 11	33 ± 59	29 ± 47	102 ± 230
CD7 + CD138	3 ± 9	1 ± 3	2 ± 6	0 ± 0	0 ± 0
CD7 + CD15	18 ± 28	2 ± 3	2 ± 2	11 ± 22	5 ± 14
CD7 + CD1a	3 ± 8	1 ± 2	0 ± 1	4 ± 10	6 ± 13
CD7 + CD2	375 ± 465	105 ± 96	217 ± 225	204 ± 222	327 ± 391
CD7 + CD207	7 ± 11	1 ± 5	3 ± 5	18 ± 51	11 ± 18
CD7 + CD24	11 ± 17	4 ± 5	18 ± 27	31 ± 75	15 ± 22
CD7 + CD28	349 ± 445	56 ± 83	135 ± 131	202 ± 240	285 ± 385
CD7 + CD29	379 ± 492	175 ± 201	239 ± 241	331 ± 377	257 ± 253
CD7 + CD3	487 ± 674	145 ± 150	358 ± 379	399 ± 436	414 ± 421
CD7 + CD31	273 ± 469	135 ± 152	133 ± 120	256 ± 303	200 ± 214
CD7 + CD4	508 ± 770	124 ± 131	260 ± 262	275 ± 190	399 ± 417
CD7 + CD44	405 ± 707	141 ± 110	344 ± 366	373 ± 436	268 ± 164
CD7 + CD45	361 ± 463	84 ± 89	232 ± 250	247 ± 304	267 ± 365
CD7 + CD45RA	137 ± 170	97 ± 95	90 ± 69	90 ± 69	114 ± 95
CD7 + CD45RO	163 ± 203	33 ± 61	101 ± 89	135 ± 214	188 ± 377
CD7 + CD52	356 ± 517	59 ± 119	141 ± 163	278 ± 558	285 ± 411
CD7 + CD54	534 ± 780	207 ± 196	311 ± 332	452 ± 541	391 ± 350
CD7 + CD56	16 ± 23	5 ± 5	11 ± 12	7 ± 7	8 ± 14
CD7 + CD58	69 ± 65	86 ± 118	36 ± 43	102 ± 131	192 ± 319
CD7 + CD62E	88 ± 177	4 ± 6	25 ± 42	66 ± 187	38 ± 53
CD7 + CD62P	189 ± 354	64 ± 81	82 ± 92	137 ± 191	94 ± 133
CD7 + CD68	80 ± 118	46 ± 81	84 ± 137	92 ± 176	85 ± 129
CD7 + CD8a	96 ± 95	68 ± 68	126 ± 117	113 ± 110	172 ± 236
CD7 + CK14	1 ± 4	0 ± 2	0 ± 0	0 ± 0	0 ± 0
CD7 + CLA	65 ± 97	23 ± 18	51 ± 56	72 ± 107	57 ± 48
CD7 + c-myc	52 ± 142	7 ± 9	13 ± 14	13 ± 30	4 ± 8
CD7 + Collagen IV	268 ± 461	118 ± 104	225 ± 262	336 ± 443	245 ± 274
CD7 + FXIIIA	6 ± 6	5 ± 6	9 ± 12	9 ± 9	45 ± 68
CD7 + HLA-DR	452 ± 560	204 ± 149	332 ± 250	409 ± 437	312 ± 203
CD7 + IL-22R	0 ± 1	2 ± 7	0 ± 1	1 ± 1	2 ± 3
CD7 + IL-23R	2 ± 3	3 ± 8	0 ± 1	2 ± 2	5 ± 7
CD7 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	3 ± 9
CD7 + PI	412 ± 503	195 ± 171	324 ± 317	377 ± 366	357 ± 272
CD7 + Podoplanin	200 ± 276	79 ± 153	153 ± 220	190 ± 255	90 ± 153
CD7 + SNA1	373 ± 602	145 ± 135	269 ± 293	274 ± 276	220 ± 218
CD7 + STAT3	5 ± 14	5 ± 11	1 ± 1	3 ± 8	1 ± 1
CD7 + TIA1	136 ± 241	74 ± 91	86 ± 80	102 ± 105	89 ± 80
CD7 + Vimentin	308 ± 400	116 ± 116	231 ± 201	264 ± 268	160 ± 122

Tabelle 307: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	67 ± 64	86 ± 124	43 ± 41	50 ± 55	72 ± 98
CD8a + BCL2	20 ± 21	12 ± 16	17 ± 16	15 ± 14	66 ± 136
CD8a + CCR6	12 ± 10	7 ± 10	10 ± 9	18 ± 20	19 ± 18
CD8a + CD11a	160 ± 102	106 ± 75	137 ± 71	113 ± 69	190 ± 200
CD8a + CD11b	34 ± 32	78 ± 116	37 ± 37	46 ± 45	87 ± 68
CD8a + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 7
CD8a + CD120b	15 ± 22	11 ± 14	8 ± 8	8 ± 12	76 ± 162
CD8a + CD138	1 ± 3	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD8a + CD15	5 ± 13	2 ± 5	5 ± 13	3 ± 5	7 ± 21
CD8a + CD1a	1 ± 2	1 ± 3	0 ± 1	1 ± 1	4 ± 13
CD8a + CD2	159 ± 109	122 ± 108	138 ± 97	130 ± 130	278 ± 346
CD8a + CD207	4 ± 9	3 ± 9	3 ± 9	4 ± 9	12 ± 24
CD8a + CD24	10 ± 19	8 ± 11	7 ± 8	14 ± 29	12 ± 21
CD8a + CD28	95 ± 79	35 ± 44	53 ± 44	65 ± 53	164 ± 275
CD8a + CD29	119 ± 80	97 ± 96	109 ± 87	96 ± 72	120 ± 110
CD8a + CD3	180 ± 116	180 ± 139	194 ± 101	172 ± 131	304 ± 378
CD8a + CD31	47 ± 52	49 ± 52	43 ± 52	52 ± 38	80 ± 92
CD8a + CD4	109 ± 95	110 ± 145	70 ± 48	81 ± 45	204 ± 313
CD8a + CD44	153 ± 101	157 ± 99	185 ± 86	159 ± 109	197 ± 90
CD8a + CD45	140 ± 89	75 ± 54	122 ± 76	105 ± 74	190 ± 250
CD8a + CD45RA	43 ± 35	36 ± 29	40 ± 26	43 ± 33	63 ± 71
CD8a + CD45RO	57 ± 52	16 ± 27	44 ± 39	40 ± 47	142 ± 301
CD8a + CD52	121 ± 116	65 ± 85	90 ± 93	81 ± 91	197 ± 361
CD8a + CD54	142 ± 102	145 ± 128	110 ± 63	127 ± 66	198 ± 229
CD8a + CD56	6 ± 7	3 ± 6	4 ± 6	4 ± 6	5 ± 6
CD8a + CD58	26 ± 39	29 ± 51	13 ± 14	25 ± 24	95 ± 222
CD8a + CD62E	7 ± 14	2 ± 6	5 ± 6	3 ± 6	12 ± 28
CD8a + CD62P	20 ± 37	10 ± 17	9 ± 10	14 ± 24	13 ± 18
CD8a + CD68	20 ± 35	20 ± 36	26 ± 35	22 ± 35	33 ± 39
CD8a + CD7	96 ± 95	68 ± 68	126 ± 117	113 ± 110	172 ± 236
CD8a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CLA	45 ± 31	52 ± 41	51 ± 36	51 ± 47	77 ± 54
CD8a + c-myc	21 ± 36	12 ± 21	21 ± 29	10 ± 22	10 ± 22
CD8a + Collagen IV	124 ± 86	147 ± 117	144 ± 94	126 ± 69	153 ± 117
CD8a + FXIIIA	4 ± 7	12 ± 23	5 ± 7	4 ± 7	20 ± 27
CD8a + HLA-DR	179 ± 89	182 ± 118	178 ± 83	165 ± 97	212 ± 99
CD8a + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD8a + IL-23R	2 ± 5	0 ± 0	0 ± 0	0 ± 0	3 ± 4
CD8a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 8
CD8a + PI	171 ± 106	154 ± 123	167 ± 92	159 ± 110	229 ± 210
CD8a + Podoplanin	92 ± 111	81 ± 122	81 ± 113	83 ± 115	80 ± 120
CD8a + SNA1	138 ± 107	136 ± 102	137 ± 87	105 ± 64	115 ± 73
CD8a + STAT3	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + TIA1	30 ± 25	19 ± 19	33 ± 22	36 ± 41	61 ± 61
CD8a + Vimentin	106 ± 75	84 ± 73	106 ± 68	89 ± 60	102 ± 75

Tabelle 308: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	6 ± 18	2 ± 8	1 ± 4	0 ± 1	0 ± 0
CK14 + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CK14 + CCR6	5 ± 18	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CK14 + CD11a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD11b	0 ± 2	0 ± 2	0 ± 2	0 ± 2	0 ± 2
CK14 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD120b	0 ± 0	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CK14 + CD138	6 ± 18	2 ± 8	1 ± 4	0 ± 0	0 ± 0
CK14 + CD15	2 ± 8	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CK14 + CD1a	0 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CK14 + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD207	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD24	0 ± 1	1 ± 4	0 ± 1	0 ± 0	0 ± 0
CK14 + CD28	0 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CK14 + CD29	9 ± 18	4 ± 9	4 ± 7	4 ± 6	2 ± 6
CK14 + CD3	2 ± 6	2 ± 6	1 ± 1	0 ± 1	0 ± 1
CK14 + CD31	2 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 3
CK14 + CD4	1 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD44	3 ± 5	3 ± 7	1 ± 3	2 ± 3	1 ± 3
CK14 + CD45	2 ± 5	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CK14 + CD45RA	5 ± 17	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CK14 + CD45RO	5 ± 18	2 ± 7	1 ± 4	1 ± 1	0 ± 0
CK14 + CD52	3 ± 10	2 ± 7	0 ± 1	0 ± 0	0 ± 1
CK14 + CD54	1 ± 2	1 ± 1	1 ± 1	1 ± 2	1 ± 2
CK14 + CD56	5 ± 18	2 ± 7	1 ± 4	0 ± 0	0 ± 0
CK14 + CD58	4 ± 14	2 ± 7	1 ± 3	1 ± 2	0 ± 1
CK14 + CD62E	0 ± 0	1 ± 3	0 ± 0	0 ± 1	0 ± 0
CK14 + CD62P	1 ± 3	2 ± 6	0 ± 0	0 ± 1	0 ± 0
CK14 + CD68	8 ± 18	5 ± 10	2 ± 7	3 ± 7	2 ± 7
CK14 + CD7	1 ± 4	0 ± 2	0 ± 0	0 ± 0	0 ± 0
CK14 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CLA	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + c-myc	7 ± 18	4 ± 13	2 ± 4	1 ± 2	1 ± 1
CK14 + Collagen IV	4 ± 6	3 ± 6	3 ± 6	4 ± 6	4 ± 6
CK14 + FXIIIA	6 ± 18	2 ± 7	1 ± 4	0 ± 1	0 ± 0
CK14 + HLA-DR	6 ± 13	4 ± 9	3 ± 6	3 ± 6	2 ± 6
CK14 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + IL-23R	1 ± 3	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CK14 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + PI	3 ± 7	1 ± 1	1 ± 2	2 ± 3	1 ± 2
CK14 + Podoplanin	5 ± 17	3 ± 8	1 ± 4	1 ± 1	0 ± 1
CK14 + SNA1	6 ± 9	6 ± 12	4 ± 8	5 ± 8	5 ± 8
CK14 + STAT3	5 ± 18	4 ± 12	1 ± 4	0 ± 1	0 ± 0
CK14 + TIA1	4 ± 14	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CK14 + Vimentin	6 ± 13	3 ± 8	2 ± 4	2 ± 3	2 ± 3

Tabelle 309: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	37 ± 52	26 ± 39	31 ± 46	17 ± 23	36 ± 70
CLA + BCL2	26 ± 45	9 ± 11	14 ± 16	10 ± 9	21 ± 22
CLA + CCR6	22 ± 32	8 ± 11	10 ± 10	22 ± 31	16 ± 18
CLA + CD11a	125 ± 125	57 ± 50	82 ± 54	105 ± 127	89 ± 50
CLA + CD11b	46 ± 44	37 ± 41	45 ± 55	258 ± 741	63 ± 53
CLA + CD120a	1 ± 1	0 ± 0	2 ± 6	0 ± 1	0 ± 1
CLA + CD120b	13 ± 23	2 ± 2	13 ± 25	8 ± 12	24 ± 42
CLA + CD138	2 ± 5	0 ± 0	2 ± 3	0 ± 0	0 ± 0
CLA + CD15	20 ± 46	4 ± 8	20 ± 44	238 ± 776	5 ± 12
CLA + CD1a	4 ± 7	2 ± 6	2 ± 6	6 ± 13	3 ± 7
CLA + CD2	134 ± 136	71 ± 70	79 ± 66	88 ± 75	128 ± 104
CLA + CD207	14 ± 21	6 ± 19	8 ± 18	24 ± 57	9 ± 19
CLA + CD24	11 ± 17	4 ± 7	21 ± 39	251 ± 806	7 ± 18
CLA + CD28	93 ± 113	22 ± 32	35 ± 33	55 ± 59	58 ± 58
CLA + CD29	99 ± 73	47 ± 53	80 ± 65	72 ± 69	76 ± 82
CLA + CD3	137 ± 129	75 ± 61	94 ± 65	135 ± 139	128 ± 98
CLA + CD31	34 ± 38	18 ± 17	34 ± 50	36 ± 57	51 ± 62
CLA + CD4	143 ± 162	66 ± 79	82 ± 74	102 ± 95	118 ± 92
CLA + CD44	131 ± 137	83 ± 63	140 ± 105	157 ± 160	140 ± 100
CLA + CD45	113 ± 128	42 ± 36	70 ± 55	91 ± 114	81 ± 62
CLA + CD45RA	51 ± 44	29 ± 25	33 ± 24	32 ± 27	46 ± 43
CLA + CD45RO	67 ± 106	15 ± 28	38 ± 38	122 ± 236	52 ± 62
CLA + CD52	100 ± 105	36 ± 48	40 ± 44	86 ± 164	69 ± 65
CLA + CD54	173 ± 156	70 ± 68	103 ± 82	145 ± 190	112 ± 94
CLA + CD56	9 ± 12	5 ± 9	6 ± 8	4 ± 9	6 ± 9
CLA + CD58	15 ± 18	16 ± 22	10 ± 14	23 ± 38	34 ± 51
CLA + CD62E	17 ± 33	0 ± 1	18 ± 46	262 ± 868	6 ± 12
CLA + CD62P	18 ± 34	1 ± 2	11 ± 26	16 ± 50	4 ± 6
CLA + CD68	25 ± 21	16 ± 22	25 ± 20	23 ± 21	28 ± 28
CLA + CD7	65 ± 97	23 ± 18	51 ± 56	72 ± 107	57 ± 48
CLA + CD8a	45 ± 31	52 ± 41	51 ± 36	51 ± 47	77 ± 54
CLA + CK14	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + c-myc	22 ± 47	4 ± 9	20 ± 39	2 ± 5	2 ± 5
CLA + Collagen IV	74 ± 72	49 ± 34	95 ± 87	191 ± 376	94 ± 105
CLA + FXIIIA	4 ± 5	2 ± 3	12 ± 24	4 ± 4	19 ± 34
CLA + HLA-DR	173 ± 128	100 ± 81	164 ± 105	161 ± 158	145 ± 96
CLA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CLA + IL-23R	3 ± 7	0 ± 1	2 ± 3	18 ± 57	3 ± 5
CLA + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + PI	136 ± 116	71 ± 58	119 ± 90	288 ± 587	121 ± 82
CLA + Podoplanin	112 ± 150	48 ± 68	73 ± 74	112 ± 136	69 ± 76
CLA + SNA1	116 ± 134	58 ± 47	99 ± 86	203 ± 455	85 ± 71
CLA + STAT3	4 ± 8	1 ± 3	2 ± 3	7 ± 20	1 ± 3
CLA + TIA1	23 ± 33	9 ± 9	19 ± 28	254 ± 793	27 ± 37
CLA + Vimentin	102 ± 125	48 ± 43	86 ± 70	153 ± 215	86 ± 78

Tabelle 310: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	2067 ± 3710	580 ± 1308	1881 ± 2792	645 ± 1380	502 ± 1326
c-myc + BCL2	54 ± 81	16 ± 30	393 ± 959	11 ± 29	14 ± 30
c-myc + CCR6	48 ± 68	32 ± 77	20 ± 28	8 ± 22	10 ± 22
c-myc + CD11a	71 ± 135	4 ± 8	13 ± 19	7 ± 13	3 ± 7
c-myc + CD11b	110 ± 150	49 ± 92	128 ± 195	46 ± 93	53 ± 91
c-myc + CD120a	1 ± 1	0 ± 1	3 ± 6	0 ± 1	0 ± 1
c-myc + CD120b	13 ± 23	6 ± 12	4 ± 6	2 ± 6	2 ± 6
c-myc + CD138	26 ± 44	26 ± 66	15 ± 20	6 ± 14	7 ± 14
c-myc + CD15	37 ± 76	29 ± 54	18 ± 25	5 ± 16	6 ± 16
c-myc + CD1a	1 ± 2	1 ± 4	0 ± 0	0 ± 0	0 ± 0
c-myc + CD2	106 ± 226	22 ± 63	6 ± 8	3 ± 5	3 ± 5
c-myc + CD207	6 ± 13	1 ± 3	1 ± 3	1 ± 3	1 ± 3
c-myc + CD24	15 ± 30	7 ± 12	51 ± 101	2 ± 3	2 ± 3
c-myc + CD28	96 ± 190	5 ± 12	21 ± 55	6 ± 14	4 ± 11
c-myc + CD29	2455 ± 4078	724 ± 1314	2231 ± 3099	732 ± 1380	568 ± 1303
c-myc + CD3	167 ± 324	52 ± 88	81 ± 119	19 ± 40	14 ± 37
c-myc + CD31	1749 ± 3079	552 ± 1142	1527 ± 2423	555 ± 1218	387 ± 1110
c-myc + CD4	345 ± 903	46 ± 113	134 ± 201	46 ± 115	45 ± 114
c-myc + CD44	431 ± 826	176 ± 315	287 ± 378	138 ± 282	117 ± 264
c-myc + CD45	65 ± 141	1 ± 3	8 ± 15	1 ± 3	2 ± 3
c-myc + CD45RA	52 ± 68	41 ± 81	28 ± 29	14 ± 24	15 ± 24
c-myc + CD45RO	31 ± 60	18 ± 44	16 ± 18	4 ± 8	5 ± 9
c-myc + CD52	166 ± 320	35 ± 76	64 ± 141	53 ± 124	19 ± 60
c-myc + CD54	2477 ± 4232	610 ± 1251	1906 ± 2666	660 ± 1329	512 ± 1265
c-myc + CD56	93 ± 208	40 ± 80	30 ± 31	16 ± 27	18 ± 27
c-myc + CD58	216 ± 351	141 ± 348	201 ± 367	141 ± 352	126 ± 352
c-myc + CD62E	439 ± 979	70 ± 202	674 ± 1504	162 ± 362	77 ± 203
c-myc + CD62P	988 ± 1959	301 ± 663	927 ± 1395	351 ± 748	238 ± 650
c-myc + CD68	682 ± 1219	276 ± 482	593 ± 738	290 ± 543	205 ± 487
c-myc + CD7	52 ± 142	7 ± 9	13 ± 14	13 ± 30	4 ± 8
c-myc + CD8a	21 ± 36	12 ± 21	21 ± 29	10 ± 22	10 ± 22
c-myc + CK14	7 ± 18	4 ± 13	2 ± 4	1 ± 2	1 ± 1
c-myc + CLA	22 ± 47	4 ± 9	20 ± 39	2 ± 5	2 ± 5
c-myc + Collagen IV	1660 ± 2565	746 ± 1505	2172 ± 3090	779 ± 1580	610 ± 1521
c-myc + FXIIIA	64 ± 74	51 ± 90	191 ± 448	25 ± 50	32 ± 50
c-myc + HLA-DR	1205 ± 1850	480 ± 695	1012 ± 1127	400 ± 696	329 ± 669
c-myc + IL-22R	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
c-myc + IL-23R	27 ± 42	13 ± 21	17 ± 23	6 ± 11	7 ± 11
c-myc + Ki67	2 ± 3	0 ± 0	1 ± 3	0 ± 0	0 ± 0
c-myc + PI	1199 ± 1871	379 ± 652	896 ± 1275	345 ± 671	291 ± 658
c-myc + Podoplanin	190 ± 265	93 ± 146	124 ± 175	64 ± 131	65 ± 130
c-myc + SNA1	2582 ± 4612	747 ± 1142	2369 ± 3545	644 ± 1139	481 ± 1034
c-myc + STAT3	46 ± 73	47 ± 104	35 ± 41	14 ± 24	14 ± 24
c-myc + TIA1	48 ± 64	32 ± 52	64 ± 82	20 ± 32	21 ± 34
c-myc + Vimentin	1475 ± 2341	472 ± 980	1229 ± 1691	525 ± 1032	415 ± 990

Tabelle 311: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	4884 ± 2591	3257 ± 2488	5324 ± 3114	4525 ± 3247	4476 ± 3313
Collagen IV + BCL2	110 ± 110	29 ± 35	404 ± 834	27 ± 33	77 ± 127
Collagen IV + CCR6	22 ± 19	14 ± 17	16 ± 13	40 ± 62	24 ± 32
Collagen IV + CD11a	347 ± 439	133 ± 108	233 ± 234	268 ± 403	207 ± 180
Collagen IV + CD11b	340 ± 345	286 ± 333	257 ± 232	540 ± 747	702 ± 712
Collagen IV + CD120a	9 ± 10	5 ± 8	7 ± 8	13 ± 17	7 ± 10
Collagen IV + CD120b	74 ± 73	47 ± 36	57 ± 49	61 ± 72	111 ± 151
Collagen IV + CD138	4 ± 5	5 ± 15	7 ± 11	2 ± 4	1 ± 1
Collagen IV + CD15	80 ± 101	32 ± 38	45 ± 49	187 ± 502	55 ± 62
Collagen IV + CD1a	2 ± 5	27 ± 81	2 ± 5	2 ± 5	5 ± 8
Collagen IV + CD2	475 ± 450	200 ± 194	256 ± 235	243 ± 200	728 ± 870
Collagen IV + CD207	14 ± 40	27 ± 57	16 ± 40	22 ± 43	15 ± 40
Collagen IV + CD24	74 ± 70	42 ± 25	180 ± 197	241 ± 563	134 ± 173
Collagen IV + CD28	472 ± 528	105 ± 150	172 ± 211	249 ± 232	409 ± 458
Collagen IV + CD29	6594 ± 2864	3643 ± 3103	6732 ± 3332	5956 ± 3164	5580 ± 3322
Collagen IV + CD3	754 ± 818	587 ± 465	705 ± 568	787 ± 544	997 ± 798
Collagen IV + CD31	4404 ± 2753	2716 ± 2153	4187 ± 2863	5017 ± 2489	4551 ± 2449
Collagen IV + CD4	2026 ± 2025	1058 ± 1306	1235 ± 1240	1322 ± 1417	2158 ± 1791
Collagen IV + CD44	1679 ± 1819	1534 ± 1106	1800 ± 952	1848 ± 1244	1943 ± 1633
Collagen IV + CD45	312 ± 438	82 ± 63	145 ± 115	208 ± 219	207 ± 280
Collagen IV + CD45RA	186 ± 216	115 ± 78	95 ± 67	96 ± 57	127 ± 96
Collagen IV + CD45RO	115 ± 159	26 ± 43	86 ± 79	114 ± 150	128 ± 191
Collagen IV + CD52	606 ± 650	202 ± 307	267 ± 369	594 ± 1067	534 ± 696
Collagen IV + CD54	6351 ± 3363	3411 ± 2879	5497 ± 2848	5404 ± 2729	5162 ± 2892
Collagen IV + CD56	166 ± 192	123 ± 128	131 ± 139	109 ± 127	144 ± 178
Collagen IV + CD58	1204 ± 989	917 ± 924	726 ± 721	1350 ± 1149	1429 ± 1390
Collagen IV + CD62E	596 ± 583	153 ± 213	678 ± 1056	645 ± 1081	420 ± 382
Collagen IV + CD62P	1458 ± 944	835 ± 851	1582 ± 944	1638 ± 1211	1481 ± 1007
Collagen IV + CD68	1401 ± 1031	1082 ± 875	1599 ± 760	1460 ± 1184	1637 ± 1037
Collagen IV + CD7	268 ± 461	118 ± 104	225 ± 262	336 ± 443	245 ± 274
Collagen IV + CD8a	124 ± 86	147 ± 117	144 ± 94	126 ± 69	153 ± 117
Collagen IV + CK14	4 ± 6	3 ± 6	3 ± 6	4 ± 6	4 ± 6
Collagen IV + CLA	74 ± 72	49 ± 34	95 ± 87	191 ± 376	94 ± 105
Collagen IV + c-myc	1660 ± 2565	746 ± 1505	2172 ± 3090	779 ± 1580	610 ± 1521
Collagen IV + FXIIIA	158 ± 161	206 ± 201	314 ± 394	193 ± 167	593 ± 746
Collagen IV + HLA-DR	4049 ± 1882	2960 ± 1813	3793 ± 1798	3869 ± 2231	3685 ± 2054
Collagen IV + IL-22R	1 ± 2	4 ± 8	1 ± 2	4 ± 9	4 ± 8
Collagen IV + IL-23R	76 ± 155	85 ± 242	26 ± 44	31 ± 46	113 ± 190
Collagen IV + Ki67	5 ± 9	1 ± 4	6 ± 11	1 ± 4	2 ± 5
Collagen IV + PI	3653 ± 1915	2248 ± 1545	3491 ± 1771	3633 ± 1887	3722 ± 1985
Collagen IV + Podoplanin	1620 ± 1225	1236 ± 775	1723 ± 828	1432 ± 807	1701 ± 1055
Collagen IV + SNA1	8015 ± 4099	4922 ± 3124	8493 ± 3991	7317 ± 2942	6948 ± 3367
Collagen IV + STAT3	38 ± 57	52 ± 65	35 ± 53	37 ± 67	26 ± 52
Collagen IV + TIA1	144 ± 211	61 ± 54	148 ± 126	247 ± 499	147 ± 231
Collagen IV + Vimentin	3567 ± 2080	1983 ± 1335	3458 ± 1750	3883 ± 2214	2769 ± 1752

Tabelle 312: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	138 ± 126	142 ± 138	240 ± 420	107 ± 103	367 ± 601
FXIIIA + BCL2	9 ± 13	7 ± 13	108 ± 269	7 ± 13	32 ± 30
FXIIIA + CCR6	36 ± 53	33 ± 69	24 ± 34	15 ± 28	23 ± 26
FXIIIA + CD11a	10 ± 13	7 ± 8	11 ± 9	8 ± 10	45 ± 55
FXIIIA + CD11b	72 ± 85	88 ± 97	98 ± 118	79 ± 82	291 ± 359
FXIIIA + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
FXIIIA + CD120b	1 ± 1	4 ± 9	3 ± 4	1 ± 1	14 ± 28
FXIIIA + CD138	25 ± 41	24 ± 58	19 ± 19	7 ± 15	7 ± 15
FXIIIA + CD15	15 ± 22	18 ± 42	25 ± 46	7 ± 16	10 ± 17
FXIIIA + CD1a	1 ± 2	1 ± 4	0 ± 0	0 ± 0	1 ± 2
FXIIIA + CD2	14 ± 22	15 ± 22	20 ± 23	15 ± 22	106 ± 111
FXIIIA + CD207	2 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 0
FXIIIA + CD24	3 ± 6	4 ± 10	20 ± 44	3 ± 5	7 ± 11
FXIIIA + CD28	7 ± 7	5 ± 6	9 ± 11	7 ± 6	48 ± 60
FXIIIA + CD29	212 ± 174	191 ± 178	371 ± 548	174 ± 163	537 ± 659
FXIIIA + CD3	19 ± 24	30 ± 32	32 ± 28	31 ± 29	111 ± 99
FXIIIA + CD31	103 ± 103	117 ± 114	256 ± 440	132 ± 103	447 ± 633
FXIIIA + CD4	75 ± 101	88 ± 105	89 ± 98	83 ± 99	311 ± 423
FXIIIA + CD44	88 ± 96	149 ± 163	107 ± 85	100 ± 89	258 ± 212
FXIIIA + CD45	13 ± 14	7 ± 8	13 ± 12	12 ± 13	49 ± 83
FXIIIA + CD45RA	36 ± 49	37 ± 71	27 ± 34	17 ± 31	34 ± 30
FXIIIA + CD45RO	26 ± 38	22 ± 43	28 ± 24	10 ± 8	41 ± 53
FXIIIA + CD52	17 ± 20	20 ± 37	16 ± 22	16 ± 12	48 ± 51
FXIIIA + CD54	155 ± 137	144 ± 144	305 ± 445	163 ± 140	489 ± 590
FXIIIA + CD56	51 ± 60	43 ± 69	30 ± 38	19 ± 34	29 ± 34
FXIIIA + CD58	38 ± 33	44 ± 48	40 ± 36	33 ± 33	155 ± 300
FXIIIA + CD62E	3 ± 7	3 ± 7	138 ± 399	5 ± 9	52 ± 120
FXIIIA + CD62P	31 ± 40	28 ± 41	156 ± 377	31 ± 41	136 ± 231
FXIIIA + CD68	101 ± 104	93 ± 106	157 ± 174	83 ± 106	316 ± 486
FXIIIA + CD7	6 ± 6	5 ± 6	9 ± 12	9 ± 9	45 ± 68
FXIIIA + CD8a	4 ± 7	12 ± 23	5 ± 7	4 ± 7	20 ± 27
FXIIIA + CK14	6 ± 18	2 ± 7	1 ± 4	0 ± 1	0 ± 0
FXIIIA + CLA	4 ± 5	2 ± 3	12 ± 24	4 ± 4	19 ± 34
FXIIIA + c-myc	64 ± 74	51 ± 90	191 ± 448	25 ± 50	32 ± 50
FXIIIA + Collagen IV	158 ± 161	206 ± 201	314 ± 394	193 ± 167	593 ± 746
FXIIIA + HLA-DR	183 ± 183	266 ± 229	277 ± 277	199 ± 195	449 ± 440
FXIIIA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
FXIIIA + IL-23R	8 ± 13	7 ± 12	14 ± 20	5 ± 12	13 ± 16
FXIIIA + Ki67	1 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 1
FXIIIA + PI	114 ± 83	120 ± 105	228 ± 362	113 ± 92	404 ± 543
FXIIIA + Podoplanin	77 ± 88	122 ± 135	65 ± 64	61 ± 66	113 ± 71
FXIIIA + SNA1	209 ± 176	280 ± 229	403 ± 541	221 ± 181	619 ± 726
FXIIIA + STAT3	33 ± 49	33 ± 74	28 ± 31	12 ± 23	12 ± 23
FXIIIA + TIA1	29 ± 39	25 ± 52	34 ± 43	12 ± 28	20 ± 32
FXIIIA + Vimentin	130 ± 83	175 ± 166	241 ± 394	132 ± 81	269 ± 208

Tabelle 313: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	3393 ± 1652	2589 ± 1703	2799 ± 1582	2950 ± 2543	2705 ± 2052
HLA-DR + BCL2	135 ± 172	44 ± 41	211 ± 384	43 ± 42	92 ± 95
HLA-DR + CCR6	129 ± 116	72 ± 83	72 ± 54	100 ± 101	75 ± 57
HLA-DR + CD11a	708 ± 592	269 ± 211	445 ± 285	441 ± 500	405 ± 214
HLA-DR + CD11b	531 ± 379	495 ± 429	460 ± 387	533 ± 355	852 ± 511
HLA-DR + CD120a	11 ± 13	5 ± 7	9 ± 11	7 ± 7	9 ± 16
HLA-DR + CD120b	229 ± 284	91 ± 58	110 ± 79	85 ± 69	171 ± 154
HLA-DR + CD138	22 ± 33	26 ± 61	18 ± 18	13 ± 19	9 ± 17
HLA-DR + CD15	148 ± 203	101 ± 146	88 ± 91	108 ± 116	70 ± 69
HLA-DR + CD1a	6 ± 11	33 ± 90	5 ± 10	6 ± 14	10 ± 15
HLA-DR + CD2	662 ± 536	292 ± 254	348 ± 238	346 ± 256	583 ± 381
HLA-DR + CD207	30 ± 49	32 ± 69	22 ± 48	42 ± 87	27 ± 49
HLA-DR + CD24	227 ± 322	94 ± 90	205 ± 205	130 ± 118	140 ± 119
HLA-DR + CD28	618 ± 575	174 ± 254	252 ± 272	316 ± 286	441 ± 383
HLA-DR + CD29	5552 ± 2062	3303 ± 2676	4493 ± 2341	4245 ± 2696	4109 ± 2617
HLA-DR + CD3	1026 ± 784	724 ± 475	802 ± 532	919 ± 628	1014 ± 572
HLA-DR + CD31	3940 ± 2199	2721 ± 2374	3285 ± 2462	3696 ± 2674	3527 ± 2266
HLA-DR + CD4	2019 ± 1635	1244 ± 1443	1345 ± 1407	1536 ± 1528	2000 ± 1363
HLA-DR + CD44	2594 ± 1647	2293 ± 1368	2443 ± 1027	2487 ± 1421	2528 ± 1214
HLA-DR + CD45	626 ± 561	192 ± 150	327 ± 192	346 ± 305	338 ± 251
HLA-DR + CD45RA	359 ± 247	220 ± 111	223 ± 87	202 ± 100	228 ± 87
HLA-DR + CD45RO	252 ± 263	78 ± 103	154 ± 113	166 ± 213	208 ± 262
HLA-DR + CD52	826 ± 762	272 ± 405	310 ± 430	557 ± 931	578 ± 684
HLA-DR + CD54	6323 ± 2632	3779 ± 2961	4833 ± 2569	4783 ± 3041	4643 ± 2831
HLA-DR + CD56	102 ± 69	101 ± 72	94 ± 51	80 ± 59	105 ± 56
HLA-DR + CD58	1003 ± 919	985 ± 1031	565 ± 788	942 ± 811	1229 ± 1045
HLA-DR + CD62E	830 ± 581	249 ± 298	722 ± 865	549 ± 676	448 ± 323
HLA-DR + CD62P	2129 ± 1344	1383 ± 1363	2019 ± 1133	2042 ± 1498	1737 ± 1241
HLA-DR + CD68	1298 ± 887	976 ± 737	1225 ± 639	1228 ± 890	1206 ± 735
HLA-DR + CD7	452 ± 560	204 ± 149	332 ± 250	409 ± 437	312 ± 203
HLA-DR + CD8a	179 ± 89	182 ± 118	178 ± 83	165 ± 97	212 ± 99
HLA-DR + CK14	6 ± 13	4 ± 9	3 ± 6	3 ± 6	2 ± 6
HLA-DR + CLA	173 ± 128	100 ± 81	164 ± 105	161 ± 158	145 ± 96
HLA-DR + c-myc	1205 ± 1850	480 ± 695	1012 ± 1127	400 ± 696	329 ± 669
HLA-DR + Collagen IV	4049 ± 1882	2960 ± 1813	3793 ± 1798	3869 ± 2231	3685 ± 2054
HLA-DR + FXIIIA	183 ± 183	266 ± 229	277 ± 277	199 ± 195	449 ± 440
HLA-DR + IL-22R	4 ± 8	11 ± 23	5 ± 8	6 ± 9	12 ± 23
HLA-DR + IL-23R	51 ± 83	50 ± 118	27 ± 34	19 ± 21	70 ± 126
HLA-DR + Ki67	3 ± 6	1 ± 3	3 ± 6	1 ± 3	4 ± 8
HLA-DR + PI	3809 ± 1197	2428 ± 1553	3004 ± 1361	3117 ± 1978	3157 ± 1507
HLA-DR + Podoplanin	1438 ± 902	901 ± 871	956 ± 869	1076 ± 825	1235 ± 890
HLA-DR + SNA1	5708 ± 2579	3928 ± 2401	4894 ± 2269	4394 ± 2641	4307 ± 2447
HLA-DR + STAT3	67 ± 82	85 ± 103	58 ± 67	44 ± 68	39 ± 65
HLA-DR + TIA1	218 ± 242	112 ± 85	188 ± 117	149 ± 95	134 ± 110
HLA-DR + Vimentin	4220 ± 1395	2584 ± 1460	3484 ± 1264	3529 ± 1591	2831 ± 1225

Tabelle 314: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	1 ± 3	6 ± 16	1 ± 3	2 ± 3	2 ± 4
IL-22R + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-22R + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	2 ± 3
IL-22R + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
IL-22R + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-22R + CD120b	0 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 5
IL-22R + CD138	0 ± 1	0 ± 1	1 ± 2	0 ± 1	0 ± 1
IL-22R + CD15	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD1a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-22R + CD2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	3 ± 6
IL-22R + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-22R + CD24	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
IL-22R + CD28	1 ± 2	1 ± 2	1 ± 2	1 ± 3	4 ± 9
IL-22R + CD29	5 ± 10	6 ± 11	5 ± 10	5 ± 10	7 ± 11
IL-22R + CD3	1 ± 3	1 ± 3	1 ± 3	2 ± 4	12 ± 29
IL-22R + CD31	5 ± 11	9 ± 18	5 ± 11	8 ± 14	14 ± 23
IL-22R + CD4	3 ± 5	3 ± 5	3 ± 5	4 ± 5	7 ± 10
IL-22R + CD44	1 ± 2	9 ± 25	2 ± 2	2 ± 3	6 ± 13
IL-22R + CD45	0 ± 1	0 ± 1	1 ± 1	1 ± 2	2 ± 4
IL-22R + CD45RA	0 ± 0	0 ± 1	0 ± 0	0 ± 0	1 ± 1
IL-22R + CD45RO	0 ± 1	0 ± 1	0 ± 1	0 ± 1	3 ± 5
IL-22R + CD52	1 ± 3	1 ± 3	1 ± 3	2 ± 3	8 ± 16
IL-22R + CD54	5 ± 11	13 ± 27	5 ± 11	8 ± 14	9 ± 13
IL-22R + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD58	2 ± 4	9 ± 26	2 ± 4	5 ± 10	9 ± 16
IL-22R + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 3
IL-22R + CD62P	3 ± 6	10 ± 25	3 ± 6	4 ± 7	4 ± 7
IL-22R + CD68	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + CD7	0 ± 1	2 ± 7	0 ± 1	1 ± 1	2 ± 3
IL-22R + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	2 ± 4
IL-22R + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-22R + c-myc	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
IL-22R + Collagen IV	1 ± 2	4 ± 8	1 ± 2	4 ± 9	4 ± 8
IL-22R + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
IL-22R + HLA-DR	4 ± 8	11 ± 23	5 ± 8	6 ± 9	12 ± 23
IL-22R + IL-23R	1 ± 2	1 ± 2	1 ± 3	1 ± 2	1 ± 2
IL-22R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + PI	5 ± 9	12 ± 24	5 ± 9	7 ± 10	18 ± 36
IL-22R + Podoplanin	1 ± 5	1 ± 5	2 ± 5	5 ± 11	14 ± 41
IL-22R + SNA1	4 ± 7	9 ± 21	3 ± 7	6 ± 11	6 ± 8
IL-22R + STAT3	0 ± 2	4 ± 12	1 ± 2	0 ± 2	0 ± 2
IL-22R + TIA1	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
IL-22R + Vimentin	4 ± 7	11 ± 24	4 ± 6	8 ± 13	17 ± 41

Tabelle 315: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	63 ± 128	77 ± 242	21 ± 46	6 ± 5	147 ± 276
IL-23R + BCL2	14 ± 28	8 ± 21	16 ± 44	2 ± 3	15 ± 36
IL-23R + CCR6	1 ± 3	1 ± 3	1 ± 2	0 ± 1	2 ± 2
IL-23R + CD11a	7 ± 21	2 ± 6	0 ± 1	1 ± 1	4 ± 7
IL-23R + CD11b	31 ± 82	6 ± 9	14 ± 23	34 ± 90	19 ± 25
IL-23R + CD120a	1 ± 4	0 ± 1	1 ± 4	1 ± 3	0 ± 1
IL-23R + CD120b	2 ± 7	1 ± 3	0 ± 0	0 ± 1	8 ± 19
IL-23R + CD138	2 ± 3	2 ± 4	6 ± 11	1 ± 2	1 ± 2
IL-23R + CD15	5 ± 10	1 ± 3	1 ± 3	24 ± 79	1 ± 1
IL-23R + CD1a	0 ± 0	3 ± 7	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD2	7 ± 22	2 ± 4	1 ± 1	1 ± 1	33 ± 60
IL-23R + CD207	0 ± 1	1 ± 4	0 ± 0	0 ± 0	2 ± 7
IL-23R + CD24	6 ± 21	0 ± 1	5 ± 12	26 ± 84	8 ± 26
IL-23R + CD28	9 ± 30	2 ± 5	2 ± 7	1 ± 2	21 ± 52
IL-23R + CD29	105 ± 194	95 ± 245	48 ± 70	38 ± 40	163 ± 269
IL-23R + CD3	9 ± 27	8 ± 24	3 ± 10	3 ± 3	15 ± 21
IL-23R + CD31	88 ± 162	101 ± 275	43 ± 66	37 ± 46	172 ± 277
IL-23R + CD4	34 ± 81	14 ± 28	8 ± 11	8 ± 10	72 ± 145
IL-23R + CD44	6 ± 7	10 ± 20	4 ± 5	5 ± 5	29 ± 65
IL-23R + CD45	7 ± 20	1 ± 2	0 ± 1	1 ± 1	9 ± 17
IL-23R + CD45RA	2 ± 3	6 ± 15	1 ± 2	1 ± 1	2 ± 3
IL-23R + CD45RO	14 ± 40	2 ± 4	5 ± 10	14 ± 44	10 ± 17
IL-23R + CD52	14 ± 43	2 ± 5	5 ± 15	2 ± 5	25 ± 68
IL-23R + CD54	86 ± 154	77 ± 197	39 ± 57	36 ± 50	117 ± 183
IL-23R + CD56	5 ± 11	2 ± 4	1 ± 2	0 ± 1	1 ± 2
IL-23R + CD58	33 ± 52	73 ± 212	13 ± 25	15 ± 20	36 ± 71
IL-23R + CD62E	40 ± 106	6 ± 11	24 ± 50	24 ± 70	70 ± 172
IL-23R + CD62P	44 ± 103	8 ± 12	25 ± 43	17 ± 30	119 ± 225
IL-23R + CD68	40 ± 54	91 ± 238	32 ± 46	21 ± 27	129 ± 198
IL-23R + CD7	2 ± 3	3 ± 8	0 ± 1	2 ± 2	5 ± 7
IL-23R + CD8a	2 ± 5	0 ± 0	0 ± 0	0 ± 0	3 ± 4
IL-23R + CK14	1 ± 3	1 ± 2	0 ± 0	0 ± 0	0 ± 0
IL-23R + CLA	3 ± 7	0 ± 1	2 ± 3	18 ± 57	3 ± 5
IL-23R + c-myc	27 ± 42	13 ± 21	17 ± 23	6 ± 11	7 ± 11
IL-23R + Collagen IV	76 ± 155	85 ± 242	26 ± 44	31 ± 46	113 ± 190
IL-23R + FXIIIA	8 ± 13	7 ± 12	14 ± 20	5 ± 12	13 ± 16
IL-23R + HLA-DR	51 ± 83	50 ± 118	27 ± 34	19 ± 21	70 ± 126
IL-23R + IL-22R	1 ± 2	1 ± 2	1 ± 3	1 ± 2	1 ± 2
IL-23R + Ki67	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-23R + PI	87 ± 176	68 ± 181	36 ± 57	38 ± 68	110 ± 165
IL-23R + Podoplanin	3 ± 4	3 ± 5	3 ± 4	3 ± 4	5 ± 7
IL-23R + SNA1	90 ± 166	99 ± 271	45 ± 72	46 ± 80	120 ± 207
IL-23R + STAT3	13 ± 22	16 ± 35	8 ± 16	11 ± 24	9 ± 19
IL-23R + TIA1	15 ± 48	6 ± 15	3 ± 9	23 ± 77	2 ± 4
IL-23R + Vimentin	56 ± 84	30 ± 48	28 ± 32	36 ± 51	50 ± 72

Tabelle 316: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	4 ± 10	0 ± 0	5 ± 11	0 ± 0	0 ± 0
Ki67 + BCL2	2 ± 4	0 ± 0	3 ± 9	0 ± 1	4 ± 13
Ki67 + CCR6	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD11a	1 ± 1	0 ± 0	0 ± 1	0 ± 0	4 ± 13
Ki67 + CD11b	0 ± 1	0 ± 1	0 ± 1	1 ± 3	4 ± 8
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4 ± 13
Ki67 + CD138	0 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD15	0 ± 1	0 ± 1	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 7
Ki67 + CD2	1 ± 3	0 ± 0	0 ± 0	0 ± 1	4 ± 13
Ki67 + CD207	1 ± 2	0 ± 0	0 ± 0	0 ± 0	3 ± 11
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + CD28	0 ± 1	0 ± 0	0 ± 0	0 ± 0	4 ± 13
Ki67 + CD29	5 ± 11	1 ± 2	7 ± 13	1 ± 2	2 ± 5
Ki67 + CD3	1 ± 2	0 ± 0	0 ± 0	0 ± 0	4 ± 13
Ki67 + CD31	4 ± 9	1 ± 2	7 ± 15	1 ± 2	4 ± 12
Ki67 + CD4	4 ± 10	1 ± 3	1 ± 3	1 ± 3	5 ± 13
Ki67 + CD44	1 ± 2	0 ± 0	0 ± 0	0 ± 1	3 ± 8
Ki67 + CD45	1 ± 2	0 ± 0	0 ± 0	0 ± 1	4 ± 13
Ki67 + CD45RA	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD45RO	1 ± 2	0 ± 0	0 ± 0	1 ± 2	4 ± 13
Ki67 + CD52	0 ± 1	0 ± 0	0 ± 0	1 ± 3	4 ± 13
Ki67 + CD54	6 ± 13	1 ± 4	5 ± 9	1 ± 4	3 ± 6
Ki67 + CD56	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD58	1 ± 4	0 ± 0	1 ± 4	0 ± 0	4 ± 13
Ki67 + CD62E	0 ± 0	0 ± 0	1 ± 4	1 ± 3	0 ± 0
Ki67 + CD62P	0 ± 1	0 ± 0	1 ± 4	1 ± 3	0 ± 0
Ki67 + CD68	5 ± 10	1 ± 4	6 ± 10	1 ± 4	1 ± 4
Ki67 + CD7	0 ± 1	0 ± 0	0 ± 0	0 ± 0	3 ± 9
Ki67 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 8
Ki67 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CLA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + c-myc	2 ± 3	0 ± 0	1 ± 3	0 ± 0	0 ± 0
Ki67 + Collagen IV	5 ± 9	1 ± 4	6 ± 11	1 ± 4	2 ± 5
Ki67 + FXIIIA	1 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 1
Ki67 + HLA-DR	3 ± 6	1 ± 3	3 ± 6	1 ± 3	4 ± 8
Ki67 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + IL-23R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
Ki67 + PI	6 ± 10	1 ± 4	9 ± 14	2 ± 5	6 ± 11
Ki67 + Podoplanin	2 ± 8	0 ± 0	0 ± 0	0 ± 0	2 ± 6
Ki67 + SNA1	5 ± 10	1 ± 2	6 ± 13	1 ± 3	1 ± 2
Ki67 + STAT3	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + TIA1	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + Vimentin	4 ± 7	1 ± 4	4 ± 7	2 ± 4	4 ± 7

Tabelle 317: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	3375 ± 1715	2153 ± 1456	2869 ± 1758	2619 ± 2181	3001 ± 2029
PI + BCL2	232 ± 295	58 ± 54	481 ± 921	52 ± 55	177 ± 290
PI + CCR6	84 ± 87	32 ± 44	41 ± 38	61 ± 72	50 ± 52
PI + CD11a	653 ± 599	234 ± 227	413 ± 349	377 ± 410	408 ± 287
PI + CD11b	388 ± 280	336 ± 352	331 ± 309	580 ± 698	714 ± 560
PI + CD120a	5 ± 4	3 ± 4	4 ± 5	3 ± 4	5 ± 8
PI + CD120b	204 ± 343	49 ± 34	75 ± 80	58 ± 59	196 ± 349
PI + CD138	15 ± 32	5 ± 11	13 ± 19	7 ± 13	2 ± 4
PI + CD15	139 ± 277	33 ± 39	69 ± 100	249 ± 629	70 ± 74
PI + CD1a	4 ± 7	15 ± 44	1 ± 2	3 ± 7	6 ± 12
PI + CD2	743 ± 614	288 ± 269	393 ± 324	352 ± 298	959 ± 1136
PI + CD207	15 ± 23	13 ± 27	10 ± 21	24 ± 57	16 ± 26
PI + CD24	200 ± 385	47 ± 38	164 ± 215	301 ± 714	152 ± 189
PI + CD28	674 ± 634	151 ± 252	242 ± 274	302 ± 284	619 ± 878
PI + CD29	5482 ± 2196	2854 ± 2250	4426 ± 2239	4043 ± 2117	4394 ± 2190
PI + CD3	1029 ± 813	585 ± 434	776 ± 551	864 ± 673	1273 ± 1241
PI + CD31	3807 ± 1826	2206 ± 1603	3067 ± 1919	3396 ± 1877	4073 ± 2755
PI + CD4	1899 ± 1672	982 ± 1178	1110 ± 1119	1257 ± 1334	2137 ± 1531
PI + CD44	1561 ± 1347	1100 ± 730	1283 ± 631	1338 ± 846	1434 ± 793
PI + CD45	586 ± 564	167 ± 175	309 ± 241	310 ± 282	380 ± 389
PI + CD45RA	274 ± 239	161 ± 85	166 ± 87	158 ± 76	189 ± 73
PI + CD45RO	286 ± 333	66 ± 141	183 ± 181	221 ± 271	315 ± 520
PI + CD52	794 ± 774	207 ± 347	305 ± 383	445 ± 679	741 ± 1182
PI + CD54	5399 ± 2489	2685 ± 2089	3869 ± 2104	3759 ± 1976	4297 ± 2378
PI + CD56	157 ± 275	63 ± 100	66 ± 98	62 ± 102	96 ± 120
PI + CD58	968 ± 698	819 ± 726	559 ± 608	989 ± 815	1776 ± 2592
PI + CD62E	763 ± 625	196 ± 237	801 ± 1160	708 ± 951	540 ± 465
PI + CD62P	1756 ± 1064	1021 ± 872	1705 ± 1105	1575 ± 1027	1543 ± 786
PI + CD68	1536 ± 1184	1032 ± 737	1448 ± 655	1344 ± 1005	1546 ± 779
PI + CD7	412 ± 503	195 ± 171	324 ± 317	377 ± 366	357 ± 272
PI + CD8a	171 ± 106	154 ± 123	167 ± 92	159 ± 110	229 ± 210
PI + CK14	3 ± 7	1 ± 1	1 ± 2	2 ± 3	1 ± 2
PI + CLA	136 ± 116	71 ± 58	119 ± 90	288 ± 587	121 ± 82
PI + c-myc	1199 ± 1871	379 ± 652	896 ± 1275	345 ± 671	291 ± 658
PI + Collagen IV	3653 ± 1915	2248 ± 1545	3491 ± 1771	3633 ± 1887	3722 ± 1985
PI + FXIIIA	114 ± 83	120 ± 105	228 ± 362	113 ± 92	404 ± 543
PI + HLA-DR	3809 ± 1197	2428 ± 1553	3004 ± 1361	3117 ± 1978	3157 ± 1507
PI + IL-22R	5 ± 9	12 ± 24	5 ± 9	7 ± 10	18 ± 36
PI + IL-23R	87 ± 176	68 ± 181	36 ± 57	38 ± 68	110 ± 165
PI + Ki67	6 ± 10	1 ± 4	9 ± 14	2 ± 5	6 ± 11
PI + Podoplanin	1258 ± 832	667 ± 587	887 ± 556	782 ± 602	945 ± 584
PI + SNA1	4593 ± 2446	2578 ± 1518	3800 ± 1834	3437 ± 1571	3698 ± 1617
PI + STAT3	61 ± 84	59 ± 82	39 ± 52	46 ± 82	32 ± 54
PI + TIA1	183 ± 188	86 ± 66	164 ± 126	325 ± 665	167 ± 172
PI + Vimentin	3709 ± 1480	1850 ± 1121	3021 ± 1414	3089 ± 1247	2523 ± 887

Tabelle 318: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	154 ± 224	128 ± 164	91 ± 154	25 ± 45	28 ± 45
Podoplanin + BCL2	68 ± 116	17 ± 26	64 ± 141	22 ± 24	27 ± 33
Podoplanin + CCR6	102 ± 110	62 ± 85	60 ± 54	73 ± 66	59 ± 54
Podoplanin + CD11a	379 ± 468	150 ± 322	237 ± 343	321 ± 406	189 ± 324
Podoplanin + CD11b	162 ± 187	160 ± 199	112 ± 165	144 ± 155	170 ± 140
Podoplanin + CD120a	4 ± 4	2 ± 4	4 ± 6	7 ± 12	3 ± 4
Podoplanin + CD120b	81 ± 73	33 ± 38	39 ± 54	46 ± 47	74 ± 86
Podoplanin + CD138	29 ± 43	26 ± 58	16 ± 21	9 ± 19	9 ± 19
Podoplanin + CD15	62 ± 65	34 ± 56	17 ± 21	29 ± 32	23 ± 22
Podoplanin + CD1a	8 ± 15	7 ± 14	4 ± 14	8 ± 17	5 ± 14
Podoplanin + CD2	365 ± 452	152 ± 294	192 ± 288	247 ± 301	221 ± 316
Podoplanin + CD207	39 ± 93	29 ± 95	30 ± 95	53 ± 111	29 ± 95
Podoplanin + CD24	75 ± 61	29 ± 27	85 ± 140	71 ± 104	115 ± 142
Podoplanin + CD28	353 ± 477	141 ± 397	195 ± 394	282 ± 399	247 ± 437
Podoplanin + CD29	619 ± 407	310 ± 226	428 ± 193	297 ± 181	298 ± 183
Podoplanin + CD3	539 ± 689	317 ± 598	418 ± 605	622 ± 690	416 ± 688
Podoplanin + CD31	263 ± 428	152 ± 163	180 ± 274	318 ± 587	319 ± 472
Podoplanin + CD4	640 ± 939	385 ± 786	402 ± 773	568 ± 783	449 ± 780
Podoplanin + CD44	950 ± 849	752 ± 566	717 ± 530	825 ± 504	871 ± 460
Podoplanin + CD45	341 ± 429	104 ± 221	164 ± 233	261 ± 308	132 ± 223
Podoplanin + CD45RA	189 ± 184	99 ± 95	86 ± 77	97 ± 83	111 ± 66
Podoplanin + CD45RO	201 ± 273	79 ± 163	110 ± 155	146 ± 199	133 ± 203
Podoplanin + CD52	502 ± 635	210 ± 573	243 ± 565	456 ± 692	318 ± 614
Podoplanin + CD54	907 ± 1012	368 ± 545	329 ± 535	605 ± 693	338 ± 521
Podoplanin + CD56	85 ± 68	101 ± 98	70 ± 43	46 ± 55	81 ± 47
Podoplanin + CD58	143 ± 175	109 ± 166	67 ± 150	245 ± 523	197 ± 295
Podoplanin + CD62E	14 ± 37	10 ± 17	1 ± 2	0 ± 0	0 ± 1
Podoplanin + CD62P	34 ± 57	31 ± 56	3 ± 5	8 ± 14	3 ± 5
Podoplanin + CD68	258 ± 215	189 ± 223	228 ± 234	159 ± 233	189 ± 217
Podoplanin + CD7	200 ± 276	79 ± 153	153 ± 220	190 ± 255	90 ± 153
Podoplanin + CD8a	92 ± 111	81 ± 122	81 ± 113	83 ± 115	80 ± 120
Podoplanin + CK14	5 ± 17	3 ± 8	1 ± 4	1 ± 1	0 ± 1
Podoplanin + CLA	112 ± 150	48 ± 68	73 ± 74	112 ± 136	69 ± 76
Podoplanin + c-myc	190 ± 265	93 ± 146	124 ± 175	64 ± 131	65 ± 130
Podoplanin + Collagen IV	1620 ± 1225	1236 ± 775	1723 ± 828	1432 ± 807	1701 ± 1055
Podoplanin + FXIIIA	77 ± 88	122 ± 135	65 ± 64	61 ± 66	113 ± 71
Podoplanin + HLA-DR	1438 ± 902	901 ± 871	956 ± 869	1076 ± 825	1235 ± 890
Podoplanin + IL-22R	1 ± 5	1 ± 5	2 ± 5	5 ± 11	14 ± 41
Podoplanin + IL-23R	3 ± 4	3 ± 5	3 ± 4	3 ± 4	5 ± 7
Podoplanin + Ki67	2 ± 8	0 ± 0	0 ± 0	0 ± 0	2 ± 6
Podoplanin + PI	1258 ± 832	667 ± 587	887 ± 556	782 ± 602	945 ± 584
Podoplanin + SNA1	1930 ± 1640	1219 ± 591	1618 ± 764	1151 ± 689	1442 ± 781
Podoplanin + STAT3	35 ± 52	36 ± 80	23 ± 33	13 ± 28	14 ± 27
Podoplanin + TIA1	60 ± 68	45 ± 57	39 ± 36	39 ± 39	38 ± 37
Podoplanin + Vimentin	2106 ± 1251	1211 ± 718	1784 ± 675	1588 ± 888	1739 ± 921

Tabelle 319: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	5930 ± 3674	3627 ± 2525	5637 ± 3403	4281 ± 3039	4351 ± 2993
SNA1 + BCL2	156 ± 162	36 ± 35	512 ± 1100	30 ± 33	67 ± 72
SNA1 + CCR6	78 ± 80	42 ± 53	39 ± 28	53 ± 68	39 ± 29
SNA1 + CD11a	506 ± 646	139 ± 81	260 ± 252	188 ± 200	181 ± 131
SNA1 + CD11b	498 ± 427	346 ± 339	363 ± 323	610 ± 857	686 ± 658
SNA1 + CD120a	11 ± 11	5 ± 9	8 ± 9	13 ± 17	8 ± 12
SNA1 + CD120b	174 ± 259	70 ± 35	74 ± 57	62 ± 63	118 ± 123
SNA1 + CD138	20 ± 28	22 ± 57	22 ± 24	10 ± 14	5 ± 10
SNA1 + CD15	192 ± 322	90 ± 126	78 ± 76	257 ± 587	57 ± 65
SNA1 + CD1a	1 ± 3	33 ± 99	1 ± 1	0 ± 1	3 ± 7
SNA1 + CD2	606 ± 615	218 ± 195	276 ± 241	218 ± 190	575 ± 647
SNA1 + CD207	13 ± 20	22 ± 57	8 ± 14	10 ± 16	7 ± 14
SNA1 + CD24	179 ± 297	70 ± 56	215 ± 229	275 ± 634	206 ± 353
SNA1 + CD28	571 ± 669	95 ± 97	174 ± 201	181 ± 112	314 ± 331
SNA1 + CD29	8472 ± 4042	4469 ± 3514	7686 ± 3726	6198 ± 3203	5968 ± 3353
SNA1 + CD3	923 ± 1026	616 ± 474	716 ± 594	646 ± 458	906 ± 655
SNA1 + CD31	6165 ± 3726	3659 ± 2915	5407 ± 3612	5561 ± 2793	5450 ± 3016
SNA1 + CD4	2452 ± 2444	1188 ± 1446	1383 ± 1402	1413 ± 1624	2236 ± 1691
SNA1 + CD44	2190 ± 2157	1771 ± 1201	1943 ± 967	1816 ± 982	1994 ± 1211
SNA1 + CD45	430 ± 632	91 ± 60	175 ± 136	154 ± 117	179 ± 236
SNA1 + CD45RA	261 ± 277	144 ± 63	129 ± 54	104 ± 46	129 ± 57
SNA1 + CD45RO	178 ± 272	37 ± 44	107 ± 98	107 ± 163	92 ± 127
SNA1 + CD52	712 ± 672	199 ± 278	260 ± 343	423 ± 585	396 ± 546
SNA1 + CD54	8494 ± 4766	4245 ± 3458	6744 ± 3611	5755 ± 3022	5979 ± 3392
SNA1 + CD56	191 ± 290	101 ± 91	106 ± 82	82 ± 89	126 ± 132
SNA1 + CD58	1380 ± 1102	1198 ± 1123	808 ± 848	1394 ± 1129	1680 ± 1617
SNA1 + CD62E	1141 ± 1206	273 ± 328	1185 ± 1785	769 ± 968	606 ± 556
SNA1 + CD62P	2768 ± 2191	1553 ± 1486	2792 ± 1705	2282 ± 1452	2212 ± 1399
SNA1 + CD68	2021 ± 1616	1385 ± 958	2022 ± 902	1681 ± 1207	1888 ± 1012
SNA1 + CD7	373 ± 602	145 ± 135	269 ± 293	274 ± 276	220 ± 218
SNA1 + CD8a	138 ± 107	136 ± 102	137 ± 87	105 ± 64	115 ± 73
SNA1 + CK14	6 ± 9	6 ± 12	4 ± 8	5 ± 8	5 ± 8
SNA1 + CLA	116 ± 134	58 ± 47	99 ± 86	203 ± 455	85 ± 71
SNA1 + c-myc	2582 ± 4612	747 ± 1142	2369 ± 3545	644 ± 1139	481 ± 1034
SNA1 + Collagen IV	8015 ± 4099	4922 ± 3124	8493 ± 3991	7317 ± 2942	6948 ± 3367
SNA1 + FXIIIA	209 ± 176	280 ± 229	403 ± 541	221 ± 181	619 ± 726
SNA1 + HLA-DR	5708 ± 2579	3928 ± 2401	4894 ± 2269	4394 ± 2641	4307 ± 2447
SNA1 + IL-22R	4 ± 7	9 ± 21	3 ± 7	6 ± 11	6 ± 8
SNA1 + IL-23R	90 ± 166	99 ± 271	45 ± 72	46 ± 80	120 ± 207
SNA1 + Ki67	5 ± 10	1 ± 2	6 ± 13	1 ± 3	1 ± 2
SNA1 + PI	4593 ± 2446	2578 ± 1518	3800 ± 1834	3437 ± 1571	3698 ± 1617
SNA1 + Podoplanin	1930 ± 1640	1219 ± 591	1618 ± 764	1151 ± 689	1442 ± 781
SNA1 + STAT3	68 ± 93	83 ± 102	62 ± 82	54 ± 94	40 ± 81
SNA1 + TIA1	205 ± 242	100 ± 66	207 ± 140	278 ± 562	124 ± 148
SNA1 + Vimentin	5306 ± 2976	2760 ± 1591	4690 ± 2064	4341 ± 1736	3439 ± 1586

Tabelle 320: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	58 ± 83	63 ± 73	28 ± 23	23 ± 27	27 ± 31
STAT3 + BCL2	3 ± 4	3 ± 7	4 ± 6	1 ± 2	3 ± 7
STAT3 + CCR6	35 ± 58	31 ± 71	20 ± 28	10 ± 23	11 ± 23
STAT3 + CD11a	3 ± 5	1 ± 2	1 ± 1	1 ± 4	0 ± 1
STAT3 + CD11b	13 ± 20	6 ± 11	11 ± 16	30 ± 80	12 ± 19
STAT3 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD120b	6 ± 18	4 ± 10	2 ± 6	0 ± 0	1 ± 3
STAT3 + CD138	29 ± 46	28 ± 65	18 ± 22	9 ± 18	9 ± 18
STAT3 + CD15	20 ± 31	19 ± 45	12 ± 18	21 ± 50	7 ± 15
STAT3 + CD1a	1 ± 2	2 ± 4	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD2	2 ± 3	1 ± 2	1 ± 2	1 ± 2	4 ± 8
STAT3 + CD207	2 ± 6	0 ± 1	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD24	8 ± 22	4 ± 10	6 ± 12	21 ± 67	0 ± 1
STAT3 + CD28	2 ± 4	1 ± 3	1 ± 1	0 ± 0	3 ± 7
STAT3 + CD29	91 ± 114	76 ± 90	71 ± 87	62 ± 98	54 ± 87
STAT3 + CD3	5 ± 14	5 ± 14	2 ± 5	1 ± 2	2 ± 5
STAT3 + CD31	56 ± 93	61 ± 98	44 ± 85	52 ± 100	47 ± 92
STAT3 + CD4	12 ± 22	4 ± 8	4 ± 8	4 ± 9	7 ± 12
STAT3 + CD44	26 ± 41	41 ± 70	17 ± 24	10 ± 16	9 ± 15
STAT3 + CD45	5 ± 13	1 ± 1	1 ± 1	1 ± 3	1 ± 3
STAT3 + CD45RA	37 ± 55	37 ± 72	23 ± 32	14 ± 30	15 ± 29
STAT3 + CD45RO	29 ± 49	21 ± 46	17 ± 25	23 ± 52	10 ± 19
STAT3 + CD52	11 ± 21	11 ± 32	3 ± 4	2 ± 3	11 ± 30
STAT3 + CD54	58 ± 94	60 ± 99	48 ± 84	52 ± 101	43 ± 89
STAT3 + CD56	38 ± 56	37 ± 77	29 ± 37	15 ± 32	15 ± 32
STAT3 + CD58	40 ± 55	63 ± 75	27 ± 52	35 ± 58	31 ± 54
STAT3 + CD62E	28 ± 45	13 ± 27	18 ± 31	38 ± 94	20 ± 39
STAT3 + CD62P	42 ± 72	38 ± 67	30 ± 51	34 ± 67	28 ± 54
STAT3 + CD68	61 ± 86	46 ± 61	43 ± 54	29 ± 57	34 ± 56
STAT3 + CD7	5 ± 14	5 ± 11	1 ± 1	3 ± 8	1 ± 1
STAT3 + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + CK14	5 ± 18	4 ± 12	1 ± 4	0 ± 1	0 ± 0
STAT3 + CLA	4 ± 8	1 ± 3	2 ± 3	7 ± 20	1 ± 3
STAT3 + c-myc	46 ± 73	47 ± 104	35 ± 41	14 ± 24	14 ± 24
STAT3 + Collagen IV	38 ± 57	52 ± 65	35 ± 53	37 ± 67	26 ± 52
STAT3 + FXIIIA	33 ± 49	33 ± 74	28 ± 31	12 ± 23	12 ± 23
STAT3 + HLA-DR	67 ± 82	85 ± 103	58 ± 67	44 ± 68	39 ± 65
STAT3 + IL-22R	0 ± 2	4 ± 12	1 ± 2	0 ± 2	0 ± 2
STAT3 + IL-23R	13 ± 22	16 ± 35	8 ± 16	11 ± 24	9 ± 19
STAT3 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + PI	61 ± 84	59 ± 82	39 ± 52	46 ± 82	32 ± 54
STAT3 + Podoplanin	35 ± 52	36 ± 80	23 ± 33	13 ± 28	14 ± 27
STAT3 + SNA1	68 ± 93	83 ± 102	62 ± 82	54 ± 94	40 ± 81
STAT3 + TIA1	27 ± 38	27 ± 52	18 ± 25	19 ± 37	12 ± 23
STAT3 + Vimentin	57 ± 73	66 ± 88	45 ± 58	47 ± 78	29 ± 58

Tabelle 321: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	116 ± 173	69 ± 59	92 ± 75	76 ± 86	136 ± 242
TIA1 + BCL2	9 ± 8	5 ± 5	5 ± 5	6 ± 6	12 ± 24
TIA1 + CCR6	33 ± 45	28 ± 56	21 ± 32	17 ± 31	18 ± 30
TIA1 + CD11a	80 ± 85	41 ± 36	44 ± 28	59 ± 72	60 ± 51
TIA1 + CD11b	129 ± 131	50 ± 44	135 ± 181	330 ± 884	119 ± 155
TIA1 + CD120a	0 ± 1	0 ± 1	1 ± 2	0 ± 1	0 ± 1
TIA1 + CD120b	4 ± 11	6 ± 12	1 ± 1	1 ± 2	13 ± 27
TIA1 + CD138	19 ± 30	20 ± 45	11 ± 17	6 ± 15	6 ± 15
TIA1 + CD15	63 ± 96	27 ± 58	68 ± 128	293 ± 923	30 ± 43
TIA1 + CD1a	1 ± 2	4 ± 9	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD2	73 ± 77	33 ± 36	37 ± 37	42 ± 53	86 ± 93
TIA1 + CD207	2 ± 6	3 ± 9	0 ± 0	0 ± 1	1 ± 4
TIA1 + CD24	24 ± 54	12 ± 31	86 ± 202	321 ± 1034	8 ± 22
TIA1 + CD28	44 ± 58	9 ± 12	9 ± 10	14 ± 14	33 ± 50
TIA1 + CD29	214 ± 222	106 ± 83	211 ± 148	156 ± 121	173 ± 219
TIA1 + CD3	109 ± 182	33 ± 25	46 ± 45	49 ± 50	82 ± 87
TIA1 + CD31	175 ± 230	93 ± 87	142 ± 104	150 ± 125	119 ± 123
TIA1 + CD4	137 ± 254	34 ± 59	42 ± 63	42 ± 61	75 ± 86
TIA1 + CD44	130 ± 251	52 ± 39	69 ± 43	79 ± 54	97 ± 108
TIA1 + CD45	58 ± 69	24 ± 26	34 ± 26	40 ± 42	63 ± 85
TIA1 + CD45RA	93 ± 112	87 ± 83	81 ± 70	78 ± 73	73 ± 72
TIA1 + CD45RO	48 ± 70	20 ± 38	26 ± 27	84 ± 225	45 ± 63
TIA1 + CD52	96 ± 156	24 ± 37	21 ± 27	46 ± 91	52 ± 74
TIA1 + CD54	271 ± 299	116 ± 105	256 ± 194	210 ± 179	171 ± 159
TIA1 + CD56	28 ± 42	26 ± 55	19 ± 32	12 ± 31	13 ± 31
TIA1 + CD58	32 ± 26	54 ± 56	15 ± 18	25 ± 17	36 ± 43
TIA1 + CD62E	104 ± 134	18 ± 31	99 ± 133	338 ± 972	66 ± 105
TIA1 + CD62P	138 ± 202	41 ± 46	129 ± 114	120 ± 133	86 ± 117
TIA1 + CD68	46 ± 43	45 ± 51	46 ± 38	55 ± 77	43 ± 48
TIA1 + CD7	136 ± 241	74 ± 91	86 ± 80	102 ± 105	89 ± 80
TIA1 + CD8a	30 ± 25	19 ± 19	33 ± 22	36 ± 41	61 ± 61
TIA1 + CK14	4 ± 14	2 ± 7	1 ± 3	0 ± 0	0 ± 0
TIA1 + CLA	23 ± 33	9 ± 9	19 ± 28	254 ± 793	27 ± 37
TIA1 + c-myc	48 ± 64	32 ± 52	64 ± 82	20 ± 32	21 ± 34
TIA1 + Collagen IV	144 ± 211	61 ± 54	148 ± 126	247 ± 499	147 ± 231
TIA1 + FXIIIA	29 ± 39	25 ± 52	34 ± 43	12 ± 28	20 ± 32
TIA1 + HLA-DR	218 ± 242	112 ± 85	188 ± 117	149 ± 95	134 ± 110
TIA1 + IL-22R	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
TIA1 + IL-23R	15 ± 48	6 ± 15	3 ± 9	23 ± 77	2 ± 4
TIA1 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + PI	183 ± 188	86 ± 66	164 ± 126	325 ± 665	167 ± 172
TIA1 + Podoplanin	60 ± 68	45 ± 57	39 ± 36	39 ± 39	38 ± 37
TIA1 + SNA1	205 ± 242	100 ± 66	207 ± 140	278 ± 562	124 ± 148
TIA1 + STAT3	27 ± 38	27 ± 52	18 ± 25	19 ± 37	12 ± 23
TIA1 + Vimentin	123 ± 158	55 ± 56	92 ± 59	167 ± 295	84 ± 120

Tabelle 322: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für alle n=6 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	3363 ± 1861	1764 ± 1358	2879 ± 1793	2547 ± 1675	1846 ± 1531
Vimentin + BCL2	176 ± 194	48 ± 42	377 ± 767	48 ± 41	66 ± 42
Vimentin + CCR6	105 ± 107	51 ± 65	50 ± 40	72 ± 81	55 ± 48
Vimentin + CD11a	416 ± 441	137 ± 168	265 ± 219	266 ± 309	189 ± 156
Vimentin + CD11b	289 ± 192	259 ± 245	240 ± 190	422 ± 495	416 ± 267
Vimentin + CD120a	6 ± 4	3 ± 5	8 ± 11	8 ± 10	4 ± 5
Vimentin + CD120b	37 ± 51	18 ± 17	20 ± 36	26 ± 40	45 ± 66
Vimentin + CD138	18 ± 31	22 ± 59	14 ± 13	6 ± 8	4 ± 8
Vimentin + CD15	67 ± 84	64 ± 86	40 ± 73	174 ± 341	54 ± 75
Vimentin + CD1a	4 ± 7	9 ± 14	4 ± 9	4 ± 8	4 ± 8
Vimentin + CD2	480 ± 410	170 ± 179	255 ± 171	258 ± 169	406 ± 366
Vimentin + CD207	19 ± 32	13 ± 29	14 ± 29	23 ± 46	13 ± 29
Vimentin + CD24	18 ± 28	9 ± 12	64 ± 110	145 ± 362	97 ± 246
Vimentin + CD28	425 ± 411	106 ± 213	159 ± 215	206 ± 212	244 ± 257
Vimentin + CD29	5063 ± 2231	2292 ± 1859	4258 ± 2153	4171 ± 2022	2896 ± 1727
Vimentin + CD3	663 ± 629	370 ± 359	495 ± 345	597 ± 377	578 ± 464
Vimentin + CD31	3827 ± 1996	1965 ± 1680	3211 ± 2215	3920 ± 1982	2803 ± 1537
Vimentin + CD4	1379 ± 1137	622 ± 591	744 ± 523	868 ± 553	1018 ± 647
Vimentin + CD44	1428 ± 1213	1266 ± 874	1347 ± 450	1498 ± 808	1357 ± 683
Vimentin + CD45	342 ± 401	100 ± 112	192 ± 157	221 ± 205	171 ± 197
Vimentin + CD45RA	173 ± 194	101 ± 77	97 ± 46	97 ± 40	83 ± 52
Vimentin + CD45RO	175 ± 240	55 ± 91	121 ± 104	127 ± 143	117 ± 137
Vimentin + CD52	556 ± 519	200 ± 357	223 ± 329	482 ± 689	308 ± 379
Vimentin + CD54	5203 ± 2513	2389 ± 1969	3883 ± 1898	4100 ± 1752	3026 ± 1777
Vimentin + CD56	136 ± 192	83 ± 66	72 ± 39	67 ± 45	92 ± 98
Vimentin + CD58	980 ± 793	776 ± 752	583 ± 646	1234 ± 1141	897 ± 704
Vimentin + CD62E	774 ± 737	213 ± 284	801 ± 1174	692 ± 905	381 ± 315
Vimentin + CD62P	1846 ± 1331	1015 ± 1027	1867 ± 1094	1846 ± 1064	1337 ± 964
Vimentin + CD68	1423 ± 938	915 ± 724	1443 ± 684	1251 ± 908	1074 ± 730
Vimentin + CD7	308 ± 400	116 ± 116	231 ± 201	264 ± 268	160 ± 122
Vimentin + CD8a	106 ± 75	84 ± 73	106 ± 68	89 ± 60	102 ± 75
Vimentin + CK14	6 ± 13	3 ± 8	2 ± 4	2 ± 3	2 ± 3
Vimentin + CLA	102 ± 125	48 ± 43	86 ± 70	153 ± 215	86 ± 78
Vimentin + c-myc	1475 ± 2341	472 ± 980	1229 ± 1691	525 ± 1032	415 ± 990
Vimentin + Collagen IV	3567 ± 2080	1983 ± 1335	3458 ± 1750	3883 ± 2214	2769 ± 1752
Vimentin + FXIIIA	130 ± 83	175 ± 166	241 ± 394	132 ± 81	269 ± 208
Vimentin + HLA-DR	4220 ± 1395	2584 ± 1460	3484 ± 1264	3529 ± 1591	2831 ± 1225
Vimentin + IL-22R	4 ± 7	11 ± 24	4 ± 6	8 ± 13	17 ± 41
Vimentin + IL-23R	56 ± 84	30 ± 48	28 ± 32	36 ± 51	50 ± 72
Vimentin + Ki67	4 ± 7	1 ± 4	4 ± 7	2 ± 4	4 ± 7
Vimentin + PI	3709 ± 1480	1850 ± 1121	3021 ± 1414	3089 ± 1247	2523 ± 887
Vimentin + Podoplanin	2106 ± 1251	1211 ± 718	1784 ± 675	1588 ± 888	1739 ± 921
Vimentin + SNA1	5306 ± 2976	2760 ± 1591	4690 ± 2064	4341 ± 1736	3439 ± 1586
Vimentin + STAT3	57 ± 73	66 ± 88	45 ± 58	47 ± 78	29 ± 58
Vimentin + TIA1	123 ± 158	55 ± 56	92 ± 59	167 ± 295	84 ± 120

1.1.8 Duale Koexpression der dermalen Kapillaren für die Responder

Tabelle 323: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	137 ± 183	25 ± 34	588 ± 1168	22 ± 30	117 ± 257
Aktin + CCR6	47 ± 74	29 ± 49	16 ± 16	25 ± 33	14 ± 17
Aktin + CD11a	221 ± 337	39 ± 39	60 ± 80	64 ± 136	96 ± 179
Aktin + CD11b	196 ± 156	101 ± 95	130 ± 129	110 ± 87	373 ± 636
Aktin + CD120a	3 ± 3	2 ± 3	3 ± 4	2 ± 3	3 ± 4
Aktin + CD120b	26 ± 34	16 ± 18	10 ± 12	6 ± 7	70 ± 175
Aktin + CD138	26 ± 52	26 ± 52	12 ± 17	8 ± 17	9 ± 16
Aktin + CD15	61 ± 87	52 ± 64	28 ± 47	31 ± 46	38 ± 49
Aktin + CD1a	1 ± 3	30 ± 85	0 ± 0	0 ± 0	2 ± 5
Aktin + CD2	500 ± 651	59 ± 69	102 ± 118	65 ± 69	361 ± 640
Aktin + CD207	5 ± 10	19 ± 55	0 ± 1	0 ± 0	1 ± 1
Aktin + CD24	24 ± 42	14 ± 16	31 ± 50	8 ± 10	19 ± 26
Aktin + CD28	485 ± 664	30 ± 52	60 ± 110	56 ± 110	254 ± 473
Aktin + CD29	7159 ± 3960	4296 ± 3555	6567 ± 3905	5236 ± 3440	5106 ± 3497
Aktin + CD3	532 ± 631	343 ± 405	263 ± 331	191 ± 256	519 ± 790
Aktin + CD31	4546 ± 2654	2943 ± 2250	4271 ± 3013	3356 ± 2261	4044 ± 3097
Aktin + CD4	1584 ± 1536	758 ± 1214	866 ± 1185	736 ± 1220	1315 ± 1494
Aktin + CD44	872 ± 903	886 ± 656	910 ± 628	1097 ± 830	884 ± 754
Aktin + CD45	216 ± 268	24 ± 24	28 ± 30	37 ± 64	112 ± 194
Aktin + CD45RA	78 ± 57	85 ± 75	48 ± 25	47 ± 34	52 ± 25
Aktin + CD45RO	78 ± 152	24 ± 42	26 ± 18	27 ± 45	77 ± 151
Aktin + CD52	668 ± 891	94 ± 169	118 ± 225	284 ± 734	466 ± 1100
Aktin + CD54	6009 ± 3512	3568 ± 2900	5323 ± 3271	3956 ± 2881	4382 ± 3039
Aktin + CD56	295 ± 471	102 ± 147	74 ± 149	79 ± 149	106 ± 167
Aktin + CD58	1024 ± 832	1006 ± 952	684 ± 673	794 ± 621	1493 ± 2020
Aktin + CD62E	1033 ± 1114	297 ± 339	1136 ± 1530	604 ± 968	809 ± 816
Aktin + CD62P	2658 ± 2037	1530 ± 1515	2664 ± 1677	1975 ± 1527	2183 ± 1456
Aktin + CD68	1739 ± 1693	1015 ± 778	1415 ± 972	1085 ± 863	1360 ± 925
Aktin + CD7	149 ± 252	87 ± 189	60 ± 97	177 ± 273	139 ± 252
Aktin + CD8a	63 ± 65	32 ± 27	37 ± 43	41 ± 31	58 ± 79
Aktin + CK14	7 ± 20	3 ± 9	2 ± 5	1 ± 1	0 ± 0
Aktin + CLA	38 ± 56	13 ± 21	31 ± 49	17 ± 24	18 ± 26
Aktin + c-myc	2471 ± 4023	709 ± 1427	2252 ± 2980	789 ± 1501	611 ± 1458
Aktin + Collagen IV	4599 ± 2764	3317 ± 2760	5486 ± 3415	4479 ± 2955	4065 ± 2876
Aktin + FXIIIA	147 ± 136	98 ± 98	284 ± 456	101 ± 95	378 ± 655
Aktin + HLA-DR	3226 ± 1763	2499 ± 1751	2847 ± 1761	2701 ± 1931	2503 ± 2020
Aktin + IL-22R	2 ± 4	2 ± 4	2 ± 4	2 ± 4	3 ± 4
Aktin + IL-23R	68 ± 141	94 ± 268	25 ± 50	5 ± 5	119 ± 267
Aktin + Ki67	1 ± 2	0 ± 0	6 ± 12	0 ± 0	0 ± 0
Aktin + PI	3378 ± 1877	2189 ± 1615	3078 ± 1861	2394 ± 1618	2866 ± 1880
Aktin + Podoplanin	73 ± 122	95 ± 141	91 ± 167	31 ± 48	31 ± 49
Aktin + SNA1	5729 ± 4071	3770 ± 2777	5881 ± 3744	4295 ± 2866	4004 ± 3008
Aktin + STAT3	59 ± 90	53 ± 59	33 ± 23	28 ± 27	33 ± 31
Aktin + TIA1	72 ± 48	74 ± 64	71 ± 62	75 ± 86	83 ± 143
Aktin + Vimentin	3254 ± 2062	1726 ± 1455	2945 ± 1931	2652 ± 1642	1754 ± 1516

Tabelle 324: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	137 ± 183	25 ± 34	588 ± 1168	22 ± 30	117 ± 257
BCL2 + CCR6	11 ± 12	8 ± 13	12 ± 14	13 ± 14	21 ± 29
BCL2 + CD11a	55 ± 42	24 ± 25	69 ± 90	31 ± 25	109 ± 170
BCL2 + CD11b	15 ± 16	14 ± 17	34 ± 47	16 ± 16	60 ± 84
BCL2 + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	2 ± 4
BCL2 + CD120b	7 ± 12	1 ± 3	5 ± 7	3 ± 3	79 ± 172
BCL2 + CD138	1 ± 4	3 ± 8	3 ± 6	0 ± 1	0 ± 1
BCL2 + CD15	2 ± 4	1 ± 1	1 ± 1	1 ± 1	1 ± 2
BCL2 + CD1a	1 ± 3	0 ± 0	0 ± 0	0 ± 0	7 ± 19
BCL2 + CD2	83 ± 69	31 ± 36	68 ± 63	38 ± 35	208 ± 409
BCL2 + CD207	1 ± 1	0 ± 1	1 ± 2	1 ± 1	11 ± 30
BCL2 + CD24	0 ± 1	0 ± 0	5 ± 9	1 ± 1	0 ± 1
BCL2 + CD28	69 ± 66	17 ± 27	58 ± 100	24 ± 27	158 ± 324
BCL2 + CD29	213 ± 269	48 ± 48	700 ± 1312	53 ± 45	151 ± 267
BCL2 + CD3	69 ± 53	30 ± 30	112 ± 191	37 ± 30	180 ± 356
BCL2 + CD31	157 ± 213	36 ± 38	622 ± 1191	38 ± 33	163 ± 286
BCL2 + CD4	93 ± 80	32 ± 35	102 ± 104	39 ± 32	215 ± 401
BCL2 + CD44	40 ± 35	34 ± 35	107 ± 171	40 ± 32	65 ± 63
BCL2 + CD45	53 ± 42	21 ± 21	48 ± 43	31 ± 21	122 ± 222
BCL2 + CD45RA	14 ± 10	7 ± 6	16 ± 26	10 ± 9	31 ± 47
BCL2 + CD45RO	27 ± 25	10 ± 15	34 ± 42	16 ± 21	123 ± 250
BCL2 + CD52	61 ± 66	15 ± 21	62 ± 131	23 ± 25	161 ± 357
BCL2 + CD54	191 ± 276	45 ± 35	579 ± 1071	51 ± 33	140 ± 212
BCL2 + CD56	10 ± 20	1 ± 1	5 ± 11	0 ± 1	1 ± 2
BCL2 + CD58	77 ± 92	26 ± 34	94 ± 166	23 ± 31	179 ± 373
BCL2 + CD62E	41 ± 78	1 ± 1	370 ± 808	2 ± 2	11 ± 20
BCL2 + CD62P	50 ± 86	7 ± 14	346 ± 736	9 ± 14	20 ± 35
BCL2 + CD68	144 ± 225	41 ± 47	376 ± 656	37 ± 46	88 ± 108
BCL2 + CD7	37 ± 35	15 ± 12	40 ± 44	25 ± 17	92 ± 166
BCL2 + CD8a	18 ± 19	12 ± 17	19 ± 17	16 ± 15	78 ± 149
BCL2 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
BCL2 + CLA	14 ± 12	8 ± 9	17 ± 16	12 ± 9	24 ± 24
BCL2 + c-myc	64 ± 88	18 ± 33	480 ± 1050	14 ± 32	14 ± 32
BCL2 + Collagen IV	103 ± 110	32 ± 38	492 ± 906	33 ± 34	87 ± 139
BCL2 + FXIIIA	10 ± 14	9 ± 14	132 ± 295	9 ± 14	34 ± 32
BCL2 + HLA-DR	118 ± 170	47 ± 42	254 ± 416	51 ± 42	98 ± 102
BCL2 + IL-22R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 2
BCL2 + IL-23R	17 ± 30	10 ± 24	20 ± 48	2 ± 3	18 ± 40
BCL2 + Ki67	1 ± 4	0 ± 0	4 ± 10	0 ± 1	5 ± 15
BCL2 + PI	221 ± 309	61 ± 56	582 ± 998	64 ± 55	200 ± 318
BCL2 + Podoplanin	39 ± 58	15 ± 25	76 ± 154	22 ± 24	30 ± 36
BCL2 + SNA1	139 ± 150	40 ± 37	622 ± 1199	36 ± 35	71 ± 76
BCL2 + STAT3	3 ± 4	4 ± 8	5 ± 7	2 ± 3	4 ± 7
BCL2 + TIA1	7 ± 6	5 ± 5	5 ± 6	7 ± 6	14 ± 27
BCL2 + Vimentin	165 ± 192	50 ± 42	455 ± 836	56 ± 40	72 ± 42

Tabelle 325: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	47 ± 74	29 ± 49	16 ± 16	25 ± 33	14 ± 17
CCR6 + BCL2	11 ± 12	8 ± 13	12 ± 14	13 ± 14	21 ± 29
CCR6 + CD11a	41 ± 45	26 ± 47	36 ± 43	65 ± 81	52 ± 64
CCR6 + CD11b	27 ± 30	24 ± 31	25 ± 31	37 ± 42	37 ± 29
CCR6 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CCR6 + CD120b	9 ± 8	7 ± 11	4 ± 6	8 ± 9	17 ± 29
CCR6 + CD138	19 ± 37	28 ± 59	11 ± 18	8 ± 16	8 ± 16
CCR6 + CD15	11 ± 21	25 ± 46	8 ± 17	7 ± 17	8 ± 17
CCR6 + CD1a	1 ± 2	2 ± 5	0 ± 1	2 ± 5	0 ± 0
CCR6 + CD2	39 ± 46	27 ± 49	34 ± 46	59 ± 65	56 ± 71
CCR6 + CD207	4 ± 7	1 ± 3	1 ± 3	7 ± 18	1 ± 3
CCR6 + CD24	6 ± 9	6 ± 10	4 ± 4	7 ± 12	2 ± 2
CCR6 + CD28	37 ± 44	24 ± 46	30 ± 44	49 ± 59	50 ± 70
CCR6 + CD29	96 ± 107	52 ± 51	44 ± 33	68 ± 68	40 ± 36
CCR6 + CD3	53 ± 53	35 ± 54	40 ± 50	81 ± 97	61 ± 77
CCR6 + CD31	37 ± 55	9 ± 10	11 ± 10	23 ± 35	12 ± 14
CCR6 + CD4	47 ± 52	34 ± 58	41 ± 54	64 ± 67	65 ± 79
CCR6 + CD44	89 ± 72	63 ± 63	63 ± 51	110 ± 106	74 ± 59
CCR6 + CD45	46 ± 46	27 ± 45	37 ± 41	66 ± 75	50 ± 56
CCR6 + CD45RA	44 ± 54	49 ± 80	29 ± 36	30 ± 36	31 ± 34
CCR6 + CD45RO	42 ± 48	36 ± 53	29 ± 32	48 ± 56	48 ± 63
CCR6 + CD52	42 ± 49	36 ± 57	30 ± 48	61 ± 96	50 ± 76
CCR6 + CD54	89 ± 106	36 ± 49	41 ± 46	81 ± 87	57 ± 64
CCR6 + CD56	32 ± 52	40 ± 71	23 ± 35	21 ± 34	21 ± 34
CCR6 + CD58	27 ± 31	28 ± 42	17 ± 20	22 ± 21	33 ± 47
CCR6 + CD62E	17 ± 30	5 ± 8	5 ± 9	4 ± 4	3 ± 3
CCR6 + CD62P	28 ± 50	10 ± 12	7 ± 7	12 ± 20	5 ± 6
CCR6 + CD68	44 ± 53	32 ± 35	27 ± 35	31 ± 35	31 ± 32
CCR6 + CD7	25 ± 25	16 ± 28	19 ± 27	52 ± 73	33 ± 39
CCR6 + CD8a	11 ± 9	8 ± 10	9 ± 9	20 ± 21	18 ± 17
CCR6 + CK14	7 ± 20	3 ± 8	1 ± 4	0 ± 0	0 ± 0
CCR6 + CLA	14 ± 11	10 ± 11	12 ± 11	26 ± 33	13 ± 10
CCR6 + c-myc	44 ± 68	39 ± 84	17 ± 24	10 ± 24	12 ± 24
CCR6 + Collagen IV	22 ± 17	17 ± 18	17 ± 15	47 ± 67	17 ± 16
CCR6 + FXIIIA	29 ± 46	40 ± 75	20 ± 31	18 ± 30	24 ± 28
CCR6 + HLA-DR	122 ± 101	88 ± 85	76 ± 55	116 ± 105	78 ± 57
CCR6 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + IL-23R	2 ± 4	2 ± 4	1 ± 1	0 ± 1	2 ± 2
CCR6 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + PI	75 ± 72	38 ± 47	45 ± 42	73 ± 75	54 ± 54
CCR6 + Podoplanin	84 ± 70	75 ± 89	62 ± 56	82 ± 69	64 ± 57
CCR6 + SNA1	70 ± 68	51 ± 55	38 ± 25	62 ± 73	39 ± 29
CCR6 + STAT3	31 ± 58	38 ± 77	18 ± 27	12 ± 26	13 ± 25
CCR6 + TIA1	28 ± 40	34 ± 61	21 ± 33	20 ± 34	20 ± 32
CCR6 + Vimentin	94 ± 85	62 ± 68	55 ± 42	84 ± 85	53 ± 44

Tabelle 326: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	221 ± 337	39 ± 39	60 ± 80	64 ± 136	96 ± 179
CD11a + BCL2	55 ± 42	24 ± 25	69 ± 90	31 ± 25	109 ± 170
CD11a + CCR6	41 ± 45	26 ± 47	36 ± 43	65 ± 81	52 ± 64
CD11a + CD11b	140 ± 68	105 ± 89	108 ± 75	132 ± 68	227 ± 158
CD11a + CD120a	1 ± 3	1 ± 1	2 ± 5	1 ± 2	5 ± 14
CD11a + CD120b	67 ± 82	14 ± 18	37 ± 53	29 ± 36	148 ± 279
CD11a + CD138	2 ± 7	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD11a + CD15	30 ± 70	1 ± 2	4 ± 7	3 ± 4	4 ± 6
CD11a + CD1a	4 ± 8	7 ± 18	1 ± 2	6 ± 14	13 ± 30
CD11a + CD2	548 ± 358	212 ± 228	345 ± 284	310 ± 227	496 ± 452
CD11a + CD207	7 ± 10	8 ± 17	4 ± 9	27 ± 71	22 ± 44
CD11a + CD24	28 ± 48	6 ± 7	20 ± 23	19 ± 21	16 ± 16
CD11a + CD28	540 ± 423	159 ± 260	271 ± 270	319 ± 342	463 ± 477
CD11a + CD29	421 ± 416	109 ± 96	220 ± 204	248 ± 312	199 ± 180
CD11a + CD3	694 ± 462	294 ± 308	527 ± 442	567 ± 543	609 ± 467
CD11a + CD31	145 ± 154	55 ± 46	82 ± 75	179 ± 268	142 ± 157
CD11a + CD4	584 ± 447	258 ± 335	414 ± 383	451 ± 380	586 ± 486
CD11a + CD44	400 ± 181	242 ± 193	507 ± 397	492 ± 504	412 ± 155
CD11a + CD45	543 ± 351	191 ± 206	371 ± 290	430 ± 419	423 ± 398
CD11a + CD45RA	121 ± 92	63 ± 36	93 ± 69	91 ± 53	114 ± 100
CD11a + CD45RO	219 ± 213	75 ± 153	167 ± 171	199 ± 300	324 ± 477
CD11a + CD52	513 ± 450	131 ± 265	234 ± 281	391 ± 613	419 ± 499
CD11a + CD54	588 ± 428	228 ± 230	359 ± 339	516 ± 607	438 ± 349
CD11a + CD56	15 ± 24	3 ± 4	12 ± 13	5 ± 5	4 ± 5
CD11a + CD58	127 ± 238	53 ± 71	53 ± 74	137 ± 230	250 ± 335
CD11a + CD62E	65 ± 92	6 ± 12	19 ± 24	48 ± 101	22 ± 34
CD11a + CD62P	87 ± 139	17 ± 14	37 ± 42	52 ± 94	34 ± 60
CD11a + CD68	95 ± 114	50 ± 73	99 ± 116	84 ± 127	83 ± 98
CD11a + CD7	261 ± 203	125 ± 120	275 ± 318	330 ± 480	340 ± 342
CD11a + CD8a	144 ± 95	87 ± 64	137 ± 67	129 ± 66	206 ± 220
CD11a + CK14	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + CLA	99 ± 54	52 ± 50	80 ± 50	117 ± 139	86 ± 51
CD11a + c-myc	83 ± 149	5 ± 8	15 ± 20	8 ± 14	4 ± 8
CD11a + Collagen IV	223 ± 227	114 ± 110	246 ± 254	311 ± 437	214 ± 198
CD11a + FXIIIA	7 ± 9	6 ± 9	12 ± 10	10 ± 11	53 ± 59
CD11a + HLA-DR	559 ± 406	272 ± 236	467 ± 302	508 ± 533	444 ± 218
CD11a + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 1	2 ± 4
CD11a + IL-23R	9 ± 23	3 ± 6	1 ± 1	1 ± 1	5 ± 7
CD11a + Ki67	0 ± 0	0 ± 0	0 ± 1	0 ± 0	5 ± 14
CD11a + PI	525 ± 406	233 ± 252	454 ± 372	440 ± 428	456 ± 297
CD11a + Podoplanin	270 ± 344	159 ± 357	268 ± 372	349 ± 443	227 ± 350
CD11a + SNA1	318 ± 334	125 ± 79	270 ± 277	221 ± 209	187 ± 145
CD11a + STAT3	3 ± 6	1 ± 2	1 ± 1	2 ± 5	1 ± 1
CD11a + TIA1	60 ± 40	43 ± 40	42 ± 30	66 ± 78	66 ± 53
CD11a + Vimentin	306 ± 271	137 ± 188	280 ± 236	307 ± 329	206 ± 168

Tabelle 327: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	196 ± 156	101 ± 95	130 ± 129	110 ± 87	373 ± 636
CD11b + BCL2	15 ± 16	14 ± 17	34 ± 47	16 ± 16	60 ± 84
CD11b + CCR6	27 ± 30	24 ± 31	25 ± 31	37 ± 42	37 ± 29
CD11b + CD11a	140 ± 68	105 ± 89	108 ± 75	132 ± 68	227 ± 158
CD11b + CD120a	1 ± 1	1 ± 1	2 ± 3	1 ± 1	14 ± 38
CD11b + CD120b	8 ± 7	14 ± 19	6 ± 6	13 ± 22	69 ± 136
CD11b + CD138	3 ± 7	3 ± 7	11 ± 22	5 ± 8	3 ± 7
CD11b + CD15	92 ± 189	21 ± 26	83 ± 142	399 ± 1121	54 ± 86
CD11b + CD1a	0 ± 1	3 ± 8	0 ± 1	1 ± 1	8 ± 17
CD11b + CD2	136 ± 95	98 ± 91	95 ± 91	133 ± 121	260 ± 191
CD11b + CD207	1 ± 4	3 ± 7	1 ± 4	2 ± 4	9 ± 19
CD11b + CD24	36 ± 60	22 ± 31	117 ± 220	409 ± 1110	43 ± 63
CD11b + CD28	87 ± 76	55 ± 72	57 ± 70	76 ± 67	182 ± 181
CD11b + CD29	524 ± 381	309 ± 306	463 ± 371	530 ± 412	706 ± 709
CD11b + CD3	188 ± 128	132 ± 117	124 ± 117	199 ± 130	325 ± 254
CD11b + CD31	298 ± 295	149 ± 143	267 ± 275	396 ± 678	508 ± 672
CD11b + CD4	319 ± 261	229 ± 274	245 ± 264	266 ± 256	542 ± 517
CD11b + CD44	285 ± 266	290 ± 259	282 ± 264	420 ± 286	553 ± 379
CD11b + CD45	93 ± 59	75 ± 63	81 ± 54	118 ± 69	211 ± 219
CD11b + CD45RA	56 ± 47	56 ± 54	57 ± 46	81 ± 50	96 ± 68
CD11b + CD45RO	49 ± 56	24 ± 28	53 ± 57	141 ± 271	153 ± 239
CD11b + CD52	139 ± 153	44 ± 97	62 ± 101	77 ± 91	204 ± 275
CD11b + CD54	572 ± 397	311 ± 309	493 ± 394	624 ± 650	774 ± 691
CD11b + CD56	25 ± 33	22 ± 34	23 ± 34	25 ± 33	32 ± 32
CD11b + CD58	55 ± 68	47 ± 57	42 ± 59	78 ± 114	248 ± 377
CD11b + CD62E	222 ± 315	41 ± 97	219 ± 367	408 ± 1043	162 ± 185
CD11b + CD62P	217 ± 262	71 ± 135	187 ± 250	165 ± 253	244 ± 355
CD11b + CD68	158 ± 187	157 ± 188	167 ± 179	173 ± 175	351 ± 418
CD11b + CD7	66 ± 42	72 ± 67	62 ± 43	115 ± 68	192 ± 166
CD11b + CD8a	38 ± 34	39 ± 37	36 ± 35	51 ± 48	91 ± 75
CD11b + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11b + CLA	51 ± 47	29 ± 31	54 ± 58	311 ± 817	59 ± 53
CD11b + c-myc	133 ± 157	60 ± 99	156 ± 207	56 ± 101	58 ± 100
CD11b + Collagen IV	322 ± 329	199 ± 186	299 ± 235	571 ± 809	576 ± 682
CD11b + FXIIIA	83 ± 90	72 ± 96	116 ± 123	91 ± 86	301 ± 400
CD11b + HLA-DR	564 ± 385	445 ± 393	533 ± 390	558 ± 340	807 ± 558
CD11b + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 2
CD11b + IL-23R	38 ± 90	8 ± 9	16 ± 25	40 ± 100	18 ± 25
CD11b + Ki67	0 ± 1	0 ± 1	0 ± 1	1 ± 3	1 ± 3
CD11b + PI	388 ± 251	262 ± 239	391 ± 311	623 ± 749	656 ± 577
CD11b + Podoplanin	142 ± 169	136 ± 174	137 ± 174	161 ± 168	172 ± 156
CD11b + SNA1	469 ± 372	280 ± 238	418 ± 332	669 ± 934	640 ± 727
CD11b + STAT3	15 ± 21	7 ± 11	13 ± 17	36 ± 87	14 ± 21
CD11b + TIA1	124 ± 125	57 ± 45	147 ± 200	394 ± 975	83 ± 54
CD11b + Vimentin	296 ± 185	217 ± 215	275 ± 193	484 ± 528	412 ± 278

Tabelle 328: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	3 ± 3	2 ± 3	3 ± 4	2 ± 3	3 ± 4
CD120a + BCL2	0 ± 0	0 ± 0	0 ± 1	0 ± 0	2 ± 4
CD120a + CCR6	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD120a + CD11a	1 ± 3	1 ± 1	2 ± 5	1 ± 2	5 ± 14
CD120a + CD11b	1 ± 1	1 ± 1	2 ± 3	1 ± 1	14 ± 38
CD120a + CD120b	0 ± 0	0 ± 1	2 ± 6	0 ± 0	7 ± 20
CD120a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD15	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD120a + CD1a	0 ± 0	0 ± 1	2 ± 6	0 ± 0	0 ± 0
CD120a + CD2	1 ± 1	0 ± 1	0 ± 1	1 ± 1	5 ± 15
CD120a + CD207	0 ± 0	0 ± 1	2 ± 7	0 ± 0	0 ± 0
CD120a + CD24	0 ± 1	0 ± 0	1 ± 1	1 ± 1	2 ± 4
CD120a + CD28	1 ± 2	1 ± 1	1 ± 2	1 ± 1	6 ± 16
CD120a + CD29	8 ± 8	5 ± 8	11 ± 11	6 ± 8	10 ± 15
CD120a + CD3	2 ± 2	1 ± 2	3 ± 6	1 ± 2	12 ± 32
CD120a + CD31	5 ± 6	3 ± 6	6 ± 8	9 ± 16	6 ± 9
CD120a + CD4	4 ± 5	2 ± 2	6 ± 10	2 ± 2	9 ± 21
CD120a + CD44	4 ± 5	3 ± 5	7 ± 11	4 ± 4	11 ± 23
CD120a + CD45	1 ± 1	1 ± 1	4 ± 11	0 ± 1	6 ± 17
CD120a + CD45RA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD120a + CD45RO	1 ± 1	0 ± 1	2 ± 6	0 ± 1	9 ± 26
CD120a + CD52	2 ± 2	1 ± 2	1 ± 2	2 ± 2	9 ± 26
CD120a + CD54	11 ± 13	6 ± 9	13 ± 13	10 ± 14	18 ± 34
CD120a + CD56	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD120a + CD58	3 ± 4	2 ± 4	4 ± 5	7 ± 13	12 ± 30
CD120a + CD62E	1 ± 1	0 ± 1	2 ± 5	1 ± 1	2 ± 4
CD120a + CD62P	2 ± 3	1 ± 3	2 ± 3	2 ± 3	1 ± 3
CD120a + CD68	3 ± 5	2 ± 5	3 ± 5	2 ± 5	4 ± 7
CD120a + CD7	1 ± 2	1 ± 2	3 ± 6	1 ± 2	5 ± 12
CD120a + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 8
CD120a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CLA	0 ± 1	0 ± 0	2 ± 6	1 ± 1	0 ± 1
CD120a + c-myc	1 ± 2	0 ± 1	3 ± 6	1 ± 1	0 ± 1
CD120a + Collagen IV	9 ± 11	6 ± 9	9 ± 9	14 ± 19	9 ± 11
CD120a + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120a + HLA-DR	12 ± 14	6 ± 7	11 ± 11	7 ± 8	11 ± 17
CD120a + IL-22R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD120a + IL-23R	1 ± 4	0 ± 1	2 ± 4	1 ± 3	1 ± 2
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	5 ± 4	3 ± 4	5 ± 5	4 ± 4	6 ± 8
CD120a + Podoplanin	4 ± 5	3 ± 5	5 ± 7	7 ± 13	3 ± 5
CD120a + SNA1	10 ± 12	6 ± 9	10 ± 10	14 ± 19	9 ± 12
CD120a + STAT3	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + TIA1	1 ± 1	0 ± 1	1 ± 3	0 ± 1	1 ± 1
CD120a + Vimentin	6 ± 5	3 ± 5	9 ± 12	8 ± 11	4 ± 5

Tabelle 329: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	26 ± 34	16 ± 18	10 ± 12	6 ± 7	70 ± 175
CD120b + BCL2	7 ± 12	1 ± 3	5 ± 7	3 ± 3	79 ± 172
CD120b + CCR6	9 ± 8	7 ± 11	4 ± 6	8 ± 9	17 ± 29
CD120b + CD11a	67 ± 82	14 ± 18	37 ± 53	29 ± 36	148 ± 279
CD120b + CD11b	8 ± 7	14 ± 19	6 ± 6	13 ± 22	69 ± 136
CD120b + CD120a	0 ± 0	0 ± 1	2 ± 6	0 ± 0	7 ± 20
CD120b + CD138	5 ± 14	4 ± 10	0 ± 1	0 ± 1	0 ± 1
CD120b + CD15	167 ± 418	25 ± 48	9 ± 13	20 ± 46	10 ± 13
CD120b + CD1a	1 ± 2	7 ± 15	1 ± 1	1 ± 1	12 ± 32
CD120b + CD2	42 ± 55	12 ± 16	18 ± 21	23 ± 31	240 ± 540
CD120b + CD207	1 ± 1	5 ± 14	1 ± 2	3 ± 6	18 ± 44
CD120b + CD24	294 ± 612	65 ± 61	99 ± 88	70 ± 86	100 ± 82
CD120b + CD28	72 ± 83	17 ± 23	27 ± 30	25 ± 28	251 ± 533
CD120b + CD29	282 ± 468	69 ± 59	111 ± 95	78 ± 94	187 ± 324
CD120b + CD3	104 ± 121	37 ± 31	61 ± 73	52 ± 69	284 ± 587
CD120b + CD31	21 ± 25	15 ± 12	19 ± 28	8 ± 8	127 ± 260
CD120b + CD4	54 ± 77	17 ± 23	28 ± 37	27 ± 29	261 ± 569
CD120b + CD44	318 ± 557	93 ± 65	144 ± 113	102 ± 111	179 ± 159
CD120b + CD45	73 ± 85	14 ± 15	37 ± 62	28 ± 34	172 ± 356
CD120b + CD45RA	43 ± 47	15 ± 16	27 ± 27	13 ± 13	66 ± 113
CD120b + CD45RO	24 ± 39	8 ± 14	18 ± 31	15 ± 20	166 ± 361
CD120b + CD52	77 ± 99	19 ± 26	33 ± 45	25 ± 40	244 ± 561
CD120b + CD54	144 ± 178	33 ± 23	54 ± 63	42 ± 43	203 ± 413
CD120b + CD56	7 ± 17	4 ± 11	1 ± 2	2 ± 2	6 ± 10
CD120b + CD58	28 ± 57	18 ± 19	15 ± 18	9 ± 14	238 ± 565
CD120b + CD62E	8 ± 12	5 ± 11	6 ± 13	1 ± 2	13 ± 24
CD120b + CD62P	128 ± 352	20 ± 21	16 ± 20	8 ± 11	14 ± 18
CD120b + CD68	6 ± 6	7 ± 9	10 ± 14	4 ± 6	30 ± 53
CD120b + CD7	26 ± 29	6 ± 10	34 ± 64	31 ± 52	119 ± 253
CD120b + CD8a	17 ± 24	5 ± 4	8 ± 8	9 ± 13	88 ± 179
CD120b + CK14	0 ± 0	2 ± 6	0 ± 0	0 ± 0	0 ± 0
CD120b + CLA	7 ± 9	2 ± 2	11 ± 26	8 ± 13	26 ± 46
CD120b + c-myc	16 ± 25	7 ± 12	4 ± 7	2 ± 6	2 ± 6
CD120b + Collagen IV	62 ± 55	36 ± 27	55 ± 49	49 ± 64	109 ± 166
CD120b + FXIIIA	1 ± 2	5 ± 10	3 ± 4	1 ± 2	17 ± 30
CD120b + HLA-DR	228 ± 313	88 ± 64	109 ± 77	81 ± 74	175 ± 172
CD120b + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 0	3 ± 6
CD120b + IL-23R	3 ± 8	2 ± 3	0 ± 0	0 ± 0	9 ± 20
CD120b + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5 ± 15
CD120b + PI	207 ± 376	41 ± 31	82 ± 87	53 ± 64	212 ± 388
CD120b + Podoplanin	61 ± 49	30 ± 41	44 ± 58	37 ± 41	78 ± 96
CD120b + SNA1	160 ± 283	62 ± 33	75 ± 60	52 ± 57	116 ± 137
CD120b + STAT3	7 ± 20	4 ± 10	2 ± 6	0 ± 0	1 ± 3
CD120b + TIA1	5 ± 12	7 ± 13	1 ± 1	1 ± 2	13 ± 30
CD120b + Vimentin	28 ± 38	13 ± 13	24 ± 39	16 ± 15	43 ± 70

Tabelle 330: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	26 ± 52	26 ± 52	12 ± 17	8 ± 17	9 ± 16
CD138 + BCL2	1 ± 4	3 ± 8	3 ± 6	0 ± 1	0 ± 1
CD138 + CCR6	19 ± 37	28 ± 59	11 ± 18	8 ± 16	8 ± 16
CD138 + CD11a	2 ± 7	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD138 + CD11b	3 ± 7	3 ± 7	11 ± 22	5 ± 8	3 ± 7
CD138 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD120b	5 ± 14	4 ± 10	0 ± 1	0 ± 1	0 ± 1
CD138 + CD15	13 ± 28	19 ± 44	5 ± 11	5 ± 11	4 ± 10
CD138 + CD1a	1 ± 2	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD138 + CD2	2 ± 6	0 ± 1	0 ± 1	1 ± 2	0 ± 0
CD138 + CD207	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD24	6 ± 16	4 ± 11	7 ± 10	3 ± 7	1 ± 2
CD138 + CD28	3 ± 9	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD138 + CD29	28 ± 59	25 ± 50	15 ± 17	8 ± 16	9 ± 16
CD138 + CD3	5 ± 16	6 ± 19	1 ± 3	0 ± 0	0 ± 0
CD138 + CD31	1 ± 2	0 ± 1	1 ± 2	0 ± 0	0 ± 0
CD138 + CD4	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD44	12 ± 20	20 ± 44	7 ± 9	5 ± 10	5 ± 10
CD138 + CD45	5 ± 13	1 ± 2	1 ± 2	1 ± 1	0 ± 1
CD138 + CD45RA	21 ± 34	31 ± 59	14 ± 21	11 ± 21	11 ± 21
CD138 + CD45RO	22 ± 43	23 ± 48	20 ± 24	9 ± 15	8 ± 15
CD138 + CD52	7 ± 20	13 ± 38	6 ± 14	2 ± 6	0 ± 1
CD138 + CD54	2 ± 6	1 ± 3	0 ± 1	0 ± 0	0 ± 0
CD138 + CD56	24 ± 42	32 ± 64	15 ± 22	11 ± 20	11 ± 20
CD138 + CD58	11 ± 23	17 ± 40	6 ± 9	4 ± 8	4 ± 8
CD138 + CD62E	0 ± 1	3 ± 8	11 ± 26	2 ± 7	0 ± 0
CD138 + CD62P	9 ± 22	6 ± 12	12 ± 21	4 ± 7	2 ± 3
CD138 + CD68	16 ± 32	13 ± 24	7 ± 15	6 ± 15	6 ± 15
CD138 + CD7	3 ± 9	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD138 + CD8a	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CK14	7 ± 20	3 ± 9	2 ± 5	0 ± 0	0 ± 0
CD138 + CLA	2 ± 5	0 ± 0	2 ± 3	0 ± 0	0 ± 0
CD138 + c-myc	21 ± 40	32 ± 72	12 ± 18	8 ± 15	8 ± 15
CD138 + Collagen IV	2 ± 5	6 ± 17	3 ± 4	1 ± 1	1 ± 1
CD138 + FXIIIA	20 ± 37	29 ± 63	18 ± 19	9 ± 16	8 ± 16
CD138 + HLA-DR	19 ± 31	32 ± 66	16 ± 18	11 ± 18	10 ± 19
CD138 + IL-22R	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + IL-23R	2 ± 4	2 ± 4	7 ± 12	1 ± 2	1 ± 2
CD138 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD138 + PI	14 ± 34	6 ± 12	13 ± 21	4 ± 7	2 ± 4
CD138 + Podoplanin	21 ± 34	32 ± 63	15 ± 21	11 ± 20	11 ± 20
CD138 + SNA1	15 ± 26	27 ± 63	20 ± 25	9 ± 13	6 ± 11
CD138 + STAT3	25 ± 44	34 ± 71	16 ± 21	11 ± 20	11 ± 20
CD138 + TIA1	15 ± 25	24 ± 49	11 ± 17	8 ± 16	8 ± 16
CD138 + Vimentin	12 ± 21	27 ± 65	13 ± 14	6 ± 8	5 ± 8

Tabelle 331: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	61 ± 87	52 ± 64	28 ± 47	31 ± 46	38 ± 49
CD15 + BCL2	2 ± 4	1 ± 1	1 ± 1	1 ± 1	1 ± 2
CD15 + CCR6	11 ± 21	25 ± 46	8 ± 17	7 ± 17	8 ± 17
CD15 + CD11a	30 ± 70	1 ± 2	4 ± 7	3 ± 4	4 ± 6
CD15 + CD11b	92 ± 189	21 ± 26	83 ± 142	399 ± 1121	54 ± 86
CD15 + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD15 + CD120b	167 ± 418	25 ± 48	9 ± 13	20 ± 46	10 ± 13
CD15 + CD138	13 ± 28	19 ± 44	5 ± 11	5 ± 11	4 ± 10
CD15 + CD1a	1 ± 4	2 ± 5	0 ± 1	0 ± 0	0 ± 0
CD15 + CD2	30 ± 64	2 ± 3	3 ± 4	4 ± 4	6 ± 11
CD15 + CD207	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD24	183 ± 457	42 ± 76	80 ± 130	402 ± 1103	34 ± 65
CD15 + CD28	37 ± 83	2 ± 3	2 ± 3	2 ± 2	3 ± 5
CD15 + CD29	260 ± 475	95 ± 129	90 ± 75	134 ± 189	80 ± 68
CD15 + CD3	76 ± 184	13 ± 22	8 ± 10	14 ± 23	17 ± 33
CD15 + CD31	48 ± 59	48 ± 83	45 ± 66	126 ± 288	58 ± 79
CD15 + CD4	54 ± 119	4 ± 7	9 ± 12	6 ± 7	13 ± 15
CD15 + CD44	173 ± 387	54 ± 76	28 ± 26	61 ± 66	45 ± 46
CD15 + CD45	32 ± 71	1 ± 2	4 ± 10	8 ± 10	6 ± 9
CD15 + CD45RA	28 ± 47	23 ± 46	15 ± 20	12 ± 19	14 ± 17
CD15 + CD45RO	19 ± 31	15 ± 35	14 ± 25	83 ± 233	14 ± 22
CD15 + CD52	87 ± 191	15 ± 35	7 ± 6	8 ± 9	13 ± 26
CD15 + CD54	180 ± 279	71 ± 118	101 ± 128	168 ± 351	79 ± 82
CD15 + CD56	14 ± 26	23 ± 49	9 ± 18	7 ± 18	12 ± 23
CD15 + CD58	19 ± 28	24 ± 40	13 ± 28	21 ± 34	20 ± 29
CD15 + CD62E	76 ± 165	10 ± 16	59 ± 102	349 ± 1023	51 ± 117
CD15 + CD62P	196 ± 487	35 ± 45	45 ± 45	87 ± 177	41 ± 53
CD15 + CD68	32 ± 40	26 ± 39	26 ± 38	23 ± 38	25 ± 36
CD15 + CD7	16 ± 28	2 ± 3	1 ± 3	5 ± 9	7 ± 15
CD15 + CD8a	6 ± 15	0 ± 1	1 ± 1	3 ± 5	8 ± 23
CD15 + CK14	3 ± 9	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CD15 + CLA	22 ± 51	5 ± 8	23 ± 48	288 ± 859	6 ± 13
CD15 + c-myc	39 ± 84	36 ± 58	21 ± 27	6 ± 17	7 ± 17
CD15 + Collagen IV	63 ± 72	34 ± 41	49 ± 52	214 ± 556	51 ± 59
CD15 + FXIIIA	12 ± 18	22 ± 46	29 ± 51	9 ± 17	13 ± 18
CD15 + HLA-DR	161 ± 220	113 ± 159	100 ± 96	87 ± 81	82 ± 72
CD15 + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD15 + IL-23R	6 ± 11	2 ± 3	2 ± 3	29 ± 87	1 ± 1
CD15 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + PI	149 ± 306	32 ± 40	82 ± 107	275 ± 697	70 ± 76
CD15 + Podoplanin	54 ± 54	38 ± 62	20 ± 22	20 ± 23	24 ± 23
CD15 + SNA1	188 ± 346	102 ± 136	87 ± 80	275 ± 651	66 ± 68
CD15 + STAT3	18 ± 32	24 ± 49	13 ± 19	26 ± 54	8 ± 17
CD15 + TIA1	56 ± 96	32 ± 63	81 ± 140	356 ± 1020	24 ± 35
CD15 + Vimentin	72 ± 91	68 ± 92	46 ± 80	170 ± 372	62 ± 81

Tabelle 332: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	1 ± 3	30 ± 85	0 ± 0	0 ± 0	2 ± 5
CD1a + BCL2	1 ± 3	0 ± 0	0 ± 0	0 ± 0	7 ± 19
CD1a + CCR6	1 ± 2	2 ± 5	0 ± 1	2 ± 5	0 ± 0
CD1a + CD11a	4 ± 8	7 ± 18	1 ± 2	6 ± 14	13 ± 30
CD1a + CD11b	0 ± 1	3 ± 8	0 ± 1	1 ± 1	8 ± 17
CD1a + CD120a	0 ± 0	0 ± 1	2 ± 6	0 ± 0	0 ± 0
CD1a + CD120b	1 ± 2	7 ± 15	1 ± 1	1 ± 1	12 ± 32
CD1a + CD138	1 ± 2	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD1a + CD15	1 ± 4	2 ± 5	0 ± 1	0 ± 0	0 ± 0
CD1a + CD2	6 ± 12	11 ± 25	3 ± 9	4 ± 9	20 ± 41
CD1a + CD207	6 ± 15	26 ± 62	7 ± 16	9 ± 18	23 ± 48
CD1a + CD24	1 ± 3	1 ± 4	0 ± 1	0 ± 0	0 ± 0
CD1a + CD28	5 ± 10	23 ± 59	2 ± 6	5 ± 9	20 ± 43
CD1a + CD29	2 ± 5	9 ± 21	2 ± 6	0 ± 1	2 ± 6
CD1a + CD3	6 ± 10	37 ± 99	2 ± 6	7 ± 16	16 ± 30
CD1a + CD31	0 ± 1	18 ± 54	0 ± 1	0 ± 1	17 ± 43
CD1a + CD4	8 ± 15	32 ± 83	6 ± 14	9 ± 18	23 ± 45
CD1a + CD44	5 ± 8	21 ± 52	4 ± 8	7 ± 15	4 ± 6
CD1a + CD45	5 ± 10	10 ± 24	3 ± 6	6 ± 14	13 ± 29
CD1a + CD45RA	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD1a + CD45RO	4 ± 7	3 ± 5	2 ± 3	5 ± 11	14 ± 38
CD1a + CD52	7 ± 11	17 ± 37	3 ± 8	8 ± 16	15 ± 26
CD1a + CD54	7 ± 13	40 ± 109	6 ± 11	9 ± 17	13 ± 17
CD1a + CD56	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	2 ± 3	37 ± 102	1 ± 2	1 ± 2	13 ± 24
CD1a + CD62E	0 ± 0	26 ± 76	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	1 ± 3	12 ± 32	0 ± 0	0 ± 0	0 ± 1
CD1a + CD68	1 ± 2	3 ± 7	1 ± 1	0 ± 0	1 ± 2
CD1a + CD7	4 ± 8	1 ± 2	0 ± 1	4 ± 11	8 ± 14
CD1a + CD8a	2 ± 3	0 ± 1	0 ± 1	1 ± 2	5 ± 15
CD1a + CK14	1 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD1a + CLA	4 ± 7	2 ± 7	2 ± 7	7 ± 14	4 ± 8
CD1a + c-myc	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD1a + Collagen IV	2 ± 5	32 ± 90	2 ± 5	2 ± 5	6 ± 9
CD1a + FXIIIA	1 ± 2	2 ± 5	0 ± 0	0 ± 0	1 ± 2
CD1a + HLA-DR	7 ± 12	39 ± 100	6 ± 11	8 ± 15	12 ± 16
CD1a + IL-22R	0 ± 0	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD1a + IL-23R	0 ± 0	3 ± 8	0 ± 0	0 ± 0	0 ± 0
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 8
CD1a + PI	4 ± 8	17 ± 48	1 ± 2	3 ± 7	7 ± 13
CD1a + Podoplanin	10 ± 17	8 ± 15	5 ± 16	9 ± 19	6 ± 15
CD1a + SNA1	1 ± 3	38 ± 109	1 ± 1	0 ± 1	4 ± 7
CD1a + STAT3	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD1a + TIA1	1 ± 2	5 ± 10	0 ± 0	0 ± 0	0 ± 0
CD1a + Vimentin	5 ± 8	9 ± 16	5 ± 10	5 ± 9	5 ± 8

Tabelle 333: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	500 ± 651	59 ± 69	102 ± 118	65 ± 69	361 ± 640
CD2 + BCL2	83 ± 69	31 ± 36	68 ± 63	38 ± 35	208 ± 409
CD2 + CCR6	39 ± 46	27 ± 49	34 ± 46	59 ± 65	56 ± 71
CD2 + CD11a	548 ± 358	212 ± 228	345 ± 284	310 ± 227	496 ± 452
CD2 + CD11b	136 ± 95	98 ± 91	95 ± 91	133 ± 121	260 ± 191
CD2 + CD120a	1 ± 1	0 ± 1	0 ± 1	1 ± 1	5 ± 15
CD2 + CD120b	42 ± 55	12 ± 16	18 ± 21	23 ± 31	240 ± 540
CD2 + CD138	2 ± 6	0 ± 1	0 ± 1	1 ± 2	0 ± 0
CD2 + CD15	30 ± 64	2 ± 3	3 ± 4	4 ± 4	6 ± 11
CD2 + CD1a	6 ± 12	11 ± 25	3 ± 9	4 ± 9	20 ± 41
CD2 + CD207	16 ± 35	19 ± 39	12 ± 35	15 ± 35	41 ± 66
CD2 + CD24	11 ± 18	3 ± 5	6 ± 6	25 ± 60	13 ± 21
CD2 + CD28	745 ± 663	171 ± 249	242 ± 232	264 ± 236	812 ± 1355
CD2 + CD29	732 ± 641	211 ± 247	288 ± 266	280 ± 240	622 ± 741
CD2 + CD3	834 ± 499	342 ± 315	493 ± 372	504 ± 371	1090 ± 1511
CD2 + CD31	381 ± 348	133 ± 124	147 ± 131	146 ± 112	603 ± 847
CD2 + CD4	869 ± 651	318 ± 340	458 ± 380	430 ± 289	1155 ± 1648
CD2 + CD44	311 ± 158	216 ± 202	353 ± 262	369 ± 288	443 ± 267
CD2 + CD45	515 ± 352	169 ± 194	275 ± 223	295 ± 217	540 ± 631
CD2 + CD45RA	78 ± 57	39 ± 46	50 ± 50	58 ± 53	111 ± 134
CD2 + CD45RO	232 ± 211	86 ± 169	173 ± 172	191 ± 219	544 ± 874
CD2 + CD52	738 ± 765	136 ± 266	209 ± 258	235 ± 289	790 ± 1477
CD2 + CD54	845 ± 709	287 ± 283	391 ± 342	378 ± 250	746 ± 752
CD2 + CD56	23 ± 40	2 ± 4	9 ± 12	6 ± 10	12 ± 21
CD2 + CD58	190 ± 254	63 ± 73	66 ± 72	79 ± 72	635 ± 1401
CD2 + CD62E	162 ± 218	23 ± 29	41 ± 59	21 ± 24	70 ± 78
CD2 + CD62P	228 ± 357	39 ± 38	60 ± 81	38 ± 34	99 ± 75
CD2 + CD68	273 ± 304	106 ± 122	151 ± 136	112 ± 118	223 ± 162
CD2 + CD7	278 ± 274	100 ± 96	209 ± 238	231 ± 239	349 ± 425
CD2 + CD8a	149 ± 99	106 ± 106	134 ± 99	151 ± 136	298 ± 377
CD2 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + CLA	109 ± 82	69 ± 73	84 ± 69	98 ± 80	117 ± 80
CD2 + c-myc	127 ± 247	27 ± 70	8 ± 9	3 ± 6	3 ± 6
CD2 + Collagen IV	406 ± 301	190 ± 202	289 ± 248	280 ± 204	567 ± 552
CD2 + FXIIIA	15 ± 24	15 ± 24	24 ± 24	17 ± 23	105 ± 113
CD2 + HLA-DR	582 ± 407	302 ± 276	378 ± 253	392 ± 262	571 ± 335
CD2 + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 1	4 ± 6
CD2 + IL-23R	9 ± 25	2 ± 5	1 ± 1	1 ± 1	30 ± 62
CD2 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 1	5 ± 15
CD2 + PI	662 ± 439	291 ± 288	439 ± 340	409 ± 298	940 ± 1177
CD2 + Podoplanin	290 ± 356	155 ± 324	209 ± 314	248 ± 317	263 ± 338
CD2 + SNA1	491 ± 362	216 ± 203	304 ± 259	249 ± 197	443 ± 361
CD2 + STAT3	2 ± 3	1 ± 2	1 ± 2	1 ± 2	5 ± 9
CD2 + TIA1	57 ± 43	36 ± 39	37 ± 40	48 ± 58	81 ± 89
CD2 + Vimentin	409 ± 230	172 ± 197	274 ± 182	278 ± 175	348 ± 198

Tabelle 334: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	5 ± 10	19 ± 55	0 ± 1	0 ± 0	1 ± 1
CD207 + BCL2	1 ± 1	0 ± 1	1 ± 2	1 ± 1	11 ± 30
CD207 + CCR6	4 ± 7	1 ± 3	1 ± 3	7 ± 18	1 ± 3
CD207 + CD11a	7 ± 10	8 ± 17	4 ± 9	27 ± 71	22 ± 44
CD207 + CD11b	1 ± 4	3 ± 7	1 ± 4	2 ± 4	9 ± 19
CD207 + CD120a	0 ± 0	0 ± 1	2 ± 7	0 ± 0	0 ± 0
CD207 + CD120b	1 ± 1	5 ± 14	1 ± 2	3 ± 6	18 ± 44
CD207 + CD138	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD15	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD1a	6 ± 15	26 ± 62	7 ± 16	9 ± 18	23 ± 48
CD207 + CD2	16 ± 35	19 ± 39	12 ± 35	15 ± 35	41 ± 66
CD207 + CD24	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD28	13 ± 26	25 ± 52	9 ± 26	18 ± 34	35 ± 64
CD207 + CD29	9 ± 20	4 ± 12	3 ± 6	3 ± 6	1 ± 2
CD207 + CD3	14 ± 27	30 ± 65	10 ± 27	39 ± 87	32 ± 48
CD207 + CD31	7 ± 14	13 ± 31	3 ± 6	7 ± 16	28 ± 73
CD207 + CD4	22 ± 50	37 ± 72	21 ± 50	38 ± 75	47 ± 75
CD207 + CD44	11 ± 18	19 ± 39	12 ± 19	39 ± 93	13 ± 20
CD207 + CD45	10 ± 14	12 ± 24	7 ± 13	29 ± 69	26 ± 42
CD207 + CD45RA	3 ± 7	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + CD45RO	9 ± 15	5 ± 15	6 ± 15	22 ± 48	29 ± 58
CD207 + CD52	21 ± 38	25 ± 49	14 ± 39	43 ± 91	29 ± 50
CD207 + CD54	27 ± 44	34 ± 69	18 ± 36	45 ± 98	28 ± 38
CD207 + CD56	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	6 ± 11	24 ± 62	4 ± 10	4 ± 10	18 ± 35
CD207 + CD62E	1 ± 3	16 ± 49	0 ± 1	0 ± 0	0 ± 0
CD207 + CD62P	5 ± 12	9 ± 26	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	3 ± 5	1 ± 2	1 ± 2	1 ± 2	1 ± 3
CD207 + CD7	5 ± 6	2 ± 5	3 ± 5	22 ± 56	13 ± 20
CD207 + CD8a	4 ± 10	3 ± 10	3 ± 10	5 ± 10	15 ± 26
CD207 + CK14	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CLA	13 ± 22	7 ± 21	8 ± 20	29 ± 62	11 ± 20
CD207 + c-myc	8 ± 14	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + Collagen IV	17 ± 44	32 ± 63	17 ± 44	27 ± 47	17 ± 44
CD207 + FXIIIA	2 ± 6	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD207 + HLA-DR	30 ± 53	39 ± 76	24 ± 53	51 ± 94	33 ± 53
CD207 + IL-22R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + IL-23R	0 ± 1	2 ± 5	0 ± 0	0 ± 0	3 ± 8
CD207 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4 ± 12
CD207 + PI	14 ± 24	15 ± 29	9 ± 24	29 ± 63	19 ± 27
CD207 + Podoplanin	42 ± 103	36 ± 105	36 ± 105	65 ± 121	36 ± 105
CD207 + SNA1	11 ± 19	26 ± 63	7 ± 15	12 ± 17	8 ± 16
CD207 + STAT3	2 ± 6	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD207 + TIA1	2 ± 6	3 ± 10	0 ± 0	0 ± 1	2 ± 4
CD207 + Vimentin	19 ± 34	15 ± 33	16 ± 32	28 ± 49	16 ± 32

Tabelle 335: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	24 ± 42	14 ± 16	31 ± 50	8 ± 10	19 ± 26
CD24 + BCL2	0 ± 1	0 ± 0	5 ± 9	1 ± 1	0 ± 1
CD24 + CCR6	6 ± 9	6 ± 10	4 ± 4	7 ± 12	2 ± 2
CD24 + CD11a	28 ± 48	6 ± 7	20 ± 23	19 ± 21	16 ± 16
CD24 + CD11b	36 ± 60	22 ± 31	117 ± 220	409 ± 1110	43 ± 63
CD24 + CD120a	0 ± 1	0 ± 0	1 ± 1	1 ± 1	2 ± 4
CD24 + CD120b	294 ± 612	65 ± 61	99 ± 88	70 ± 86	100 ± 82
CD24 + CD138	6 ± 16	4 ± 11	7 ± 10	3 ± 7	1 ± 2
CD24 + CD15	183 ± 457	42 ± 76	80 ± 130	402 ± 1103	34 ± 65
CD24 + CD1a	1 ± 3	1 ± 4	0 ± 1	0 ± 0	0 ± 0
CD24 + CD2	11 ± 18	3 ± 5	6 ± 6	25 ± 60	13 ± 21
CD24 + CD207	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD28	34 ± 64	6 ± 7	18 ± 23	16 ± 21	28 ± 30
CD24 + CD29	303 ± 518	83 ± 86	228 ± 288	166 ± 201	131 ± 119
CD24 + CD3	66 ± 119	22 ± 20	43 ± 47	62 ± 110	52 ± 57
CD24 + CD31	21 ± 32	10 ± 13	87 ± 164	76 ± 186	101 ± 163
CD24 + CD4	20 ± 28	6 ± 9	21 ± 41	18 ± 30	22 ± 29
CD24 + CD44	348 ± 618	114 ± 103	159 ± 117	158 ± 177	146 ± 137
CD24 + CD45	38 ± 78	4 ± 5	17 ± 20	25 ± 42	18 ± 18
CD24 + CD45RA	47 ± 56	20 ± 29	36 ± 38	27 ± 31	36 ± 30
CD24 + CD45RO	17 ± 34	5 ± 12	15 ± 25	103 ± 276	10 ± 19
CD24 + CD52	51 ± 99	9 ± 14	35 ± 64	26 ± 28	34 ± 48
CD24 + CD54	141 ± 214	25 ± 22	158 ± 268	131 ± 259	75 ± 74
CD24 + CD56	9 ± 22	8 ± 13	3 ± 5	2 ± 3	10 ± 17
CD24 + CD58	7 ± 8	7 ± 12	10 ± 13	9 ± 15	41 ± 68
CD24 + CD62E	25 ± 51	4 ± 11	98 ± 194	381 ± 1125	23 ± 66
CD24 + CD62P	149 ± 379	17 ± 28	80 ± 136	79 ± 185	24 ± 48
CD24 + CD68	3 ± 4	5 ± 7	13 ± 27	6 ± 7	5 ± 4
CD24 + CD7	10 ± 18	3 ± 3	15 ± 24	35 ± 83	17 ± 24
CD24 + CD8a	11 ± 22	4 ± 5	5 ± 6	16 ± 31	14 ± 23
CD24 + CK14	0 ± 1	1 ± 4	1 ± 2	0 ± 0	0 ± 0
CD24 + CLA	12 ± 19	5 ± 7	23 ± 43	305 ± 891	9 ± 20
CD24 + c-myc	19 ± 32	8 ± 12	61 ± 109	2 ± 4	2 ± 4
CD24 + Collagen IV	72 ± 71	36 ± 19	139 ± 191	289 ± 618	143 ± 192
CD24 + FXIIIA	4 ± 6	4 ± 11	24 ± 49	4 ± 5	7 ± 12
CD24 + HLA-DR	246 ± 356	100 ± 99	203 ± 218	138 ± 125	140 ± 131
CD24 + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD24 + IL-23R	8 ± 23	0 ± 1	6 ± 13	31 ± 93	10 ± 29
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD24 + PI	221 ± 426	45 ± 39	172 ± 240	356 ± 786	160 ± 209
CD24 + Podoplanin	67 ± 64	31 ± 30	45 ± 34	67 ± 111	122 ± 158
CD24 + SNA1	184 ± 332	70 ± 61	191 ± 247	331 ± 695	225 ± 390
CD24 + STAT3	10 ± 24	4 ± 11	7 ± 14	26 ± 74	1 ± 1
CD24 + TIA1	28 ± 60	14 ± 34	103 ± 221	391 ± 1143	9 ± 24
CD24 + Vimentin	17 ± 29	8 ± 13	40 ± 68	177 ± 396	117 ± 270

Tabelle 336: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	485 ± 664	30 ± 52	60 ± 110	56 ± 110	254 ± 473
CD28 + BCL2	69 ± 66	17 ± 27	58 ± 100	24 ± 27	158 ± 324
CD28 + CCR6	37 ± 44	24 ± 46	30 ± 44	49 ± 59	50 ± 70
CD28 + CD11a	540 ± 423	159 ± 260	271 ± 270	319 ± 342	463 ± 477
CD28 + CD11b	87 ± 76	55 ± 72	57 ± 70	76 ± 67	182 ± 181
CD28 + CD120a	1 ± 2	1 ± 1	1 ± 2	1 ± 1	6 ± 16
CD28 + CD120b	72 ± 83	17 ± 23	27 ± 30	25 ± 28	251 ± 533
CD28 + CD138	3 ± 9	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD28 + CD15	37 ± 83	2 ± 3	2 ± 3	2 ± 2	3 ± 5
CD28 + CD1a	5 ± 10	23 ± 59	2 ± 6	5 ± 9	20 ± 43
CD28 + CD2	745 ± 663	171 ± 249	242 ± 232	264 ± 236	812 ± 1355
CD28 + CD207	13 ± 26	25 ± 52	9 ± 26	18 ± 34	35 ± 64
CD28 + CD24	34 ± 64	6 ± 7	18 ± 23	16 ± 21	28 ± 30
CD28 + CD29	686 ± 732	79 ± 88	171 ± 192	180 ± 168	411 ± 579
CD28 + CD3	841 ± 657	247 ± 366	397 ± 401	439 ± 407	938 ± 1236
CD28 + CD31	318 ± 367	48 ± 48	87 ± 110	99 ± 98	453 ± 691
CD28 + CD4	852 ± 806	242 ± 388	327 ± 373	371 ± 364	1027 ± 1453
CD28 + CD44	305 ± 173	157 ± 197	270 ± 230	319 ± 265	378 ± 278
CD28 + CD45	519 ± 405	133 ± 202	212 ± 195	290 ± 271	425 ± 598
CD28 + CD45RA	58 ± 56	16 ± 16	20 ± 15	25 ± 16	80 ± 133
CD28 + CD45RO	207 ± 202	68 ± 151	119 ± 151	163 ± 227	420 ± 743
CD28 + CD52	799 ± 811	146 ± 320	226 ± 340	302 ± 450	786 ± 1300
CD28 + CD54	784 ± 756	183 ± 254	264 ± 268	339 ± 314	605 ± 690
CD28 + CD56	49 ± 103	3 ± 4	4 ± 4	3 ± 4	9 ± 18
CD28 + CD58	230 ± 370	67 ± 91	70 ± 82	92 ± 118	619 ± 1156
CD28 + CD62E	126 ± 190	19 ± 47	28 ± 50	22 ± 48	49 ± 97
CD28 + CD62P	191 ± 334	17 ± 26	39 ± 63	27 ± 47	64 ± 102
CD28 + CD68	221 ± 307	50 ± 82	95 ± 104	72 ± 92	153 ± 162
CD28 + CD7	262 ± 287	61 ± 93	145 ± 140	215 ± 267	323 ± 419
CD28 + CD8a	86 ± 73	36 ± 49	60 ± 44	71 ± 58	183 ± 303
CD28 + CK14	1 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD28 + CLA	69 ± 66	24 ± 36	38 ± 35	54 ± 66	60 ± 62
CD28 + c-myc	113 ± 208	6 ± 13	26 ± 60	8 ± 15	4 ± 13
CD28 + Collagen IV	379 ± 374	119 ± 163	200 ± 225	242 ± 246	440 ± 496
CD28 + FXIIIA	6 ± 6	5 ± 6	10 ± 12	6 ± 7	57 ± 63
CD28 + HLA-DR	536 ± 481	200 ± 277	288 ± 290	322 ± 309	494 ± 403
CD28 + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	5 ± 9
CD28 + IL-23R	11 ± 33	2 ± 5	3 ± 8	0 ± 0	23 ± 58
CD28 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5 ± 15
CD28 + PI	592 ± 513	174 ± 276	285 ± 287	302 ± 280	711 ± 952
CD28 + Podoplanin	298 ± 453	167 ± 440	230 ± 431	279 ± 436	299 ± 470
CD28 + SNA1	429 ± 406	106 ± 104	199 ± 215	170 ± 99	336 ± 362
CD28 + STAT3	2 ± 4	2 ± 4	1 ± 2	0 ± 1	3 ± 8
CD28 + TIA1	30 ± 28	11 ± 13	11 ± 11	14 ± 16	35 ± 54
CD28 + Vimentin	361 ± 320	121 ± 235	185 ± 231	209 ± 235	268 ± 273

Tabelle 337: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	7159 ± 3960	4296 ± 3555	6567 ± 3905	5236 ± 3440	5106 ± 3497
CD29 + BCL2	213 ± 269	48 ± 48	700 ± 1312	53 ± 45	151 ± 267
CD29 + CCR6	96 ± 107	52 ± 51	44 ± 33	68 ± 68	40 ± 36
CD29 + CD11a	421 ± 416	109 ± 96	220 ± 204	248 ± 312	199 ± 180
CD29 + CD11b	524 ± 381	309 ± 306	463 ± 371	530 ± 412	706 ± 709
CD29 + CD120a	8 ± 8	5 ± 8	11 ± 11	6 ± 8	10 ± 15
CD29 + CD120b	282 ± 468	69 ± 59	111 ± 95	78 ± 94	187 ± 324
CD29 + CD138	28 ± 59	25 ± 50	15 ± 17	8 ± 16	9 ± 16
CD29 + CD15	260 ± 475	95 ± 129	90 ± 75	134 ± 189	80 ± 68
CD29 + CD1a	2 ± 5	9 ± 21	2 ± 6	0 ± 1	2 ± 6
CD29 + CD2	732 ± 641	211 ± 247	288 ± 266	280 ± 240	622 ± 741
CD29 + CD207	9 ± 20	4 ± 12	3 ± 6	3 ± 6	1 ± 2
CD29 + CD24	303 ± 518	83 ± 86	228 ± 288	166 ± 201	131 ± 119
CD29 + CD28	686 ± 732	79 ± 88	171 ± 192	180 ± 168	411 ± 579
CD29 + CD3	924 ± 723	464 ± 445	604 ± 586	595 ± 469	937 ± 1099
CD29 + CD31	6664 ± 3217	4132 ± 3287	6113 ± 4095	5652 ± 2986	5592 ± 3497
CD29 + CD4	2368 ± 1998	1285 ± 1932	1517 ± 1840	1370 ± 1878	2108 ± 1926
CD29 + CD44	1819 ± 1440	1246 ± 933	1622 ± 919	2011 ± 1138	1505 ± 1054
CD29 + CD45	403 ± 356	74 ± 84	143 ± 120	175 ± 146	224 ± 265
CD29 + CD45RA	206 ± 88	154 ± 80	148 ± 52	137 ± 61	139 ± 55
CD29 + CD45RO	137 ± 198	38 ± 42	74 ± 53	87 ± 98	129 ± 213
CD29 + CD52	932 ± 1095	104 ± 113	242 ± 382	452 ± 1000	601 ± 1186
CD29 + CD54	8841 ± 4177	4716 ± 4112	7103 ± 3787	6269 ± 3469	5918 ± 3709
CD29 + CD56	347 ± 479	140 ± 167	125 ± 169	134 ± 168	165 ± 207
CD29 + CD58	1541 ± 1263	1330 ± 1201	1062 ± 1117	1452 ± 1182	2284 ± 2761
CD29 + CD62E	1352 ± 1243	374 ± 425	1529 ± 2016	909 ± 1261	912 ± 676
CD29 + CD62P	3341 ± 2307	1943 ± 1819	3220 ± 1784	2689 ± 1760	2506 ± 1581
CD29 + CD68	2700 ± 2005	1772 ± 1163	2376 ± 1142	2066 ± 1397	2161 ± 1211
CD29 + CD7	276 ± 286	159 ± 216	192 ± 229	384 ± 400	241 ± 247
CD29 + CD8a	116 ± 82	72 ± 80	98 ± 93	108 ± 73	112 ± 109
CD29 + CK14	11 ± 20	5 ± 10	5 ± 7	4 ± 7	3 ± 7
CD29 + CLA	99 ± 68	46 ± 58	81 ± 72	86 ± 69	59 ± 55
CD29 + c-myc	2942 ± 4395	885 ± 1413	2655 ± 3297	894 ± 1489	684 ± 1427
CD29 + Collagen IV	6289 ± 3014	4031 ± 3333	6691 ± 3561	6430 ± 3258	5166 ± 3022
CD29 + FXIIIA	234 ± 184	175 ± 184	432 ± 592	194 ± 172	539 ± 735
CD29 + HLA-DR	5511 ± 2291	3655 ± 2851	4519 ± 2604	4552 ± 2658	3927 ± 2843
CD29 + IL-22R	6 ± 11	5 ± 11	6 ± 11	6 ± 11	9 ± 12
CD29 + IL-23R	119 ± 213	116 ± 269	58 ± 74	42 ± 44	137 ± 258
CD29 + Ki67	3 ± 5	1 ± 2	9 ± 14	1 ± 2	1 ± 2
CD29 + PI	5551 ± 2363	3194 ± 2369	4619 ± 2340	4282 ± 2034	4269 ± 2210
CD29 + Podoplanin	522 ± 313	308 ± 233	440 ± 198	323 ± 188	304 ± 203
CD29 + SNA1	8291 ± 4465	4991 ± 3707	7736 ± 4050	6665 ± 3268	5647 ± 3582
CD29 + STAT3	99 ± 123	82 ± 97	78 ± 93	75 ± 104	66 ± 93
CD29 + TIA1	177 ± 139	123 ± 83	196 ± 158	180 ± 119	135 ± 149
CD29 + Vimentin	5040 ± 2494	2507 ± 2001	4269 ± 2238	4504 ± 2094	2896 ± 1778

Tabelle 338: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	532 ± 631	343 ± 405	263 ± 331	191 ± 256	519 ± 790
CD3 + BCL2	69 ± 53	30 ± 30	112 ± 191	37 ± 30	180 ± 356
CD3 + CCR6	53 ± 53	35 ± 54	40 ± 50	81 ± 97	61 ± 77
CD3 + CD11a	694 ± 462	294 ± 308	527 ± 442	567 ± 543	609 ± 467
CD3 + CD11b	188 ± 128	132 ± 117	124 ± 117	199 ± 130	325 ± 254
CD3 + CD120a	2 ± 2	1 ± 2	3 ± 6	1 ± 2	12 ± 32
CD3 + CD120b	104 ± 121	37 ± 31	61 ± 73	52 ± 69	284 ± 587
CD3 + CD138	5 ± 16	6 ± 19	1 ± 3	0 ± 0	0 ± 0
CD3 + CD15	76 ± 184	13 ± 22	8 ± 10	14 ± 23	17 ± 33
CD3 + CD1a	6 ± 10	37 ± 99	2 ± 6	7 ± 16	16 ± 30
CD3 + CD2	834 ± 499	342 ± 315	493 ± 372	504 ± 371	1090 ± 1511
CD3 + CD207	14 ± 27	30 ± 65	10 ± 27	39 ± 87	32 ± 48
CD3 + CD24	66 ± 119	22 ± 20	43 ± 47	62 ± 110	52 ± 57
CD3 + CD28	841 ± 657	247 ± 366	397 ± 401	439 ± 407	938 ± 1236
CD3 + CD29	924 ± 723	464 ± 445	604 ± 586	595 ± 469	937 ± 1099
CD3 + CD31	408 ± 281	353 ± 277	320 ± 329	378 ± 341	868 ± 1236
CD3 + CD4	1095 ± 733	588 ± 653	783 ± 658	835 ± 580	1550 ± 1714
CD3 + CD44	579 ± 310	633 ± 525	719 ± 542	861 ± 621	760 ± 377
CD3 + CD45	619 ± 404	220 ± 227	392 ± 305	504 ± 422	581 ± 626
CD3 + CD45RA	99 ± 62	63 ± 41	68 ± 40	88 ± 45	140 ± 169
CD3 + CD45RO	241 ± 234	91 ± 174	197 ± 196	245 ± 334	530 ± 901
CD3 + CD52	876 ± 768	303 ± 486	389 ± 488	555 ± 783	1123 ± 1860
CD3 + CD54	1097 ± 673	730 ± 548	704 ± 605	897 ± 635	1231 ± 1348
CD3 + CD56	62 ± 141	11 ± 15	15 ± 12	10 ± 10	31 ± 47
CD3 + CD58	236 ± 348	156 ± 194	135 ± 131	233 ± 373	916 ± 1725
CD3 + CD62E	140 ± 181	50 ± 76	84 ± 110	69 ± 99	133 ± 182
CD3 + CD62P	207 ± 264	96 ± 109	135 ± 149	102 ± 109	182 ± 184
CD3 + CD68	216 ± 175	146 ± 131	242 ± 227	140 ± 146	210 ± 142
CD3 + CD7	315 ± 244	150 ± 162	337 ± 402	443 ± 475	451 ± 454
CD3 + CD8a	167 ± 105	141 ± 103	180 ± 103	190 ± 138	330 ± 414
CD3 + CK14	3 ± 7	2 ± 6	1 ± 1	0 ± 1	0 ± 1
CD3 + CLA	112 ± 60	71 ± 61	92 ± 65	148 ± 152	121 ± 88
CD3 + c-myc	200 ± 352	63 ± 95	76 ± 122	23 ± 43	17 ± 41
CD3 + Collagen IV	573 ± 429	580 ± 510	666 ± 577	723 ± 502	846 ± 652
CD3 + FXIIIA	21 ± 27	26 ± 33	33 ± 27	28 ± 28	113 ± 103
CD3 + HLA-DR	872 ± 501	753 ± 520	754 ± 531	883 ± 587	1018 ± 634
CD3 + IL-22R	1 ± 3	1 ± 3	1 ± 3	3 ± 5	15 ± 32
CD3 + IL-23R	11 ± 30	10 ± 27	4 ± 11	1 ± 2	12 ± 20
CD3 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5 ± 15
CD3 + PI	888 ± 519	594 ± 472	814 ± 606	813 ± 533	1295 ± 1364
CD3 + Podoplanin	444 ± 626	337 ± 660	472 ± 657	591 ± 725	500 ± 740
CD3 + SNA1	682 ± 535	626 ± 519	664 ± 591	581 ± 382	736 ± 568
CD3 + STAT3	6 ± 16	6 ± 16	3 ± 6	1 ± 2	3 ± 6
CD3 + TIA1	60 ± 50	39 ± 24	38 ± 31	48 ± 53	81 ± 88
CD3 + Vimentin	537 ± 385	382 ± 400	482 ± 372	568 ± 415	574 ± 457

Tabelle 339: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	4546 ± 2654	2943 ± 2250	4271 ± 3013	3356 ± 2261	4044 ± 3097
CD31 + BCL2	157 ± 213	36 ± 38	622 ± 1191	38 ± 33	163 ± 286
CD31 + CCR6	37 ± 55	9 ± 10	11 ± 10	23 ± 35	12 ± 14
CD31 + CD11a	145 ± 154	55 ± 46	82 ± 75	179 ± 268	142 ± 157
CD31 + CD11b	298 ± 295	149 ± 143	267 ± 275	396 ± 678	508 ± 672
CD31 + CD120a	5 ± 6	3 ± 6	6 ± 8	9 ± 16	6 ± 9
CD31 + CD120b	21 ± 25	15 ± 12	19 ± 28	8 ± 8	127 ± 260
CD31 + CD138	1 ± 2	0 ± 1	1 ± 2	0 ± 0	0 ± 0
CD31 + CD15	48 ± 59	48 ± 83	45 ± 66	126 ± 288	58 ± 79
CD31 + CD1a	0 ± 1	18 ± 54	0 ± 1	0 ± 1	17 ± 43
CD31 + CD2	381 ± 348	133 ± 124	147 ± 131	146 ± 112	603 ± 847
CD31 + CD207	7 ± 14	13 ± 31	3 ± 6	7 ± 16	28 ± 73
CD31 + CD24	21 ± 32	10 ± 13	87 ± 164	76 ± 186	101 ± 163
CD31 + CD28	318 ± 367	48 ± 48	87 ± 110	99 ± 98	453 ± 691
CD31 + CD29	6664 ± 3217	4132 ± 3287	6113 ± 4095	5652 ± 2986	5592 ± 3497
CD31 + CD3	408 ± 281	353 ± 277	320 ± 329	378 ± 341	868 ± 1236
CD31 + CD4	1649 ± 1307	998 ± 1290	1096 ± 1241	1079 ± 1247	1964 ± 1511
CD31 + CD44	759 ± 793	756 ± 601	742 ± 651	1088 ± 689	847 ± 600
CD31 + CD45	120 ± 118	31 ± 35	36 ± 35	106 ± 173	140 ± 169
CD31 + CD45RA	77 ± 63	85 ± 90	66 ± 60	84 ± 71	81 ± 54
CD31 + CD45RO	34 ± 61	6 ± 11	18 ± 25	24 ± 30	155 ± 259
CD31 + CD52	470 ± 577	99 ± 129	146 ± 244	401 ± 829	803 ± 1675
CD31 + CD54	6611 ± 3708	4149 ± 3723	5677 ± 3923	5686 ± 3514	6183 ± 4964
CD31 + CD56	44 ± 63	21 ± 53	24 ± 52	32 ± 53	47 ± 58
CD31 + CD58	1257 ± 1077	1193 ± 1130	903 ± 956	1453 ± 1469	2596 ± 3726
CD31 + CD62E	1298 ± 1252	391 ± 445	1494 ± 1922	997 ± 1315	1216 ± 1269
CD31 + CD62P	3121 ± 2188	1964 ± 1907	3099 ± 2020	2716 ± 1883	2874 ± 1855
CD31 + CD68	2313 ± 1754	1647 ± 1045	2085 ± 1175	1862 ± 1325	2120 ± 1197
CD31 + CD7	154 ± 156	119 ± 165	113 ± 124	291 ± 327	183 ± 196
CD31 + CD8a	37 ± 34	35 ± 30	45 ± 57	52 ± 37	75 ± 90
CD31 + CK14	2 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 4
CD31 + CLA	28 ± 29	19 ± 18	40 ± 54	42 ± 62	38 ± 32
CD31 + c-myc	2104 ± 3327	674 ± 1239	1801 ± 2617	678 ± 1328	468 ± 1224
CD31 + Collagen IV	4016 ± 2357	2945 ± 2336	4308 ± 3163	4680 ± 2584	4288 ± 2208
CD31 + FXIIIA	119 ± 108	103 ± 116	310 ± 473	130 ± 103	466 ± 703
CD31 + HLA-DR	3929 ± 2355	2973 ± 2572	3403 ± 2735	3565 ± 2454	3453 ± 2497
CD31 + IL-22R	6 ± 12	6 ± 12	6 ± 12	10 ± 16	17 ± 25
CD31 + IL-23R	99 ± 178	123 ± 303	53 ± 70	41 ± 51	149 ± 271
CD31 + Ki67	1 ± 2	1 ± 2	8 ± 16	1 ± 2	5 ± 14
CD31 + PI	3722 ± 1651	2411 ± 1716	3271 ± 2043	3239 ± 1543	4092 ± 2991
CD31 + Podoplanin	114 ± 111	125 ± 133	180 ± 298	314 ± 641	375 ± 508
CD31 + SNA1	5887 ± 3605	4046 ± 3113	5584 ± 3982	5335 ± 2954	5232 ± 3239
CD31 + STAT3	67 ± 100	54 ± 99	52 ± 93	64 ± 108	57 ± 100
CD31 + TIA1	121 ± 84	105 ± 93	146 ± 112	165 ± 132	126 ± 129
CD31 + Vimentin	3786 ± 2104	2127 ± 1829	3292 ± 2378	3911 ± 2215	2859 ± 1587

Tabelle 340: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	1584 ± 1536	758 ± 1214	866 ± 1185	736 ± 1220	1315 ± 1494
CD4 + BCL2	93 ± 80	32 ± 35	102 ± 104	39 ± 32	215 ± 401
CD4 + CCR6	47 ± 52	34 ± 58	41 ± 54	64 ± 67	65 ± 79
CD4 + CD11a	584 ± 447	258 ± 335	414 ± 383	451 ± 380	586 ± 486
CD4 + CD11b	319 ± 261	229 ± 274	245 ± 264	266 ± 256	542 ± 517
CD4 + CD120a	4 ± 5	2 ± 2	6 ± 10	2 ± 2	9 ± 21
CD4 + CD120b	54 ± 77	17 ± 23	28 ± 37	27 ± 29	261 ± 569
CD4 + CD138	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD15	54 ± 119	4 ± 7	9 ± 12	6 ± 7	13 ± 15
CD4 + CD1a	8 ± 15	32 ± 83	6 ± 14	9 ± 18	23 ± 45
CD4 + CD2	869 ± 651	318 ± 340	458 ± 380	430 ± 289	1155 ± 1648
CD4 + CD207	22 ± 50	37 ± 72	21 ± 50	38 ± 75	47 ± 75
CD4 + CD24	20 ± 28	6 ± 9	21 ± 41	18 ± 30	22 ± 29
CD4 + CD28	852 ± 806	242 ± 388	327 ± 373	371 ± 364	1027 ± 1453
CD4 + CD29	2368 ± 1998	1285 ± 1932	1517 ± 1840	1370 ± 1878	2108 ± 1926
CD4 + CD3	1095 ± 733	588 ± 653	783 ± 658	835 ± 580	1550 ± 1714
CD4 + CD31	1649 ± 1307	998 ± 1290	1096 ± 1241	1079 ± 1247	1964 ± 1511
CD4 + CD44	857 ± 773	663 ± 854	836 ± 829	889 ± 732	992 ± 725
CD4 + CD45	520 ± 373	196 ± 236	319 ± 270	410 ± 308	544 ± 621
CD4 + CD45RA	115 ± 87	58 ± 65	72 ± 68	81 ± 57	131 ± 145
CD4 + CD45RO	218 ± 218	88 ± 180	159 ± 179	192 ± 232	517 ± 868
CD4 + CD52	935 ± 1047	227 ± 487	314 ± 474	422 ± 537	1045 ± 1698
CD4 + CD54	2533 ± 1796	1460 ± 1853	1698 ± 1785	1713 ± 1704	2442 ± 1813
CD4 + CD56	90 ± 111	30 ± 46	35 ± 43	33 ± 44	49 ± 44
CD4 + CD58	583 ± 653	352 ± 346	312 ± 351	422 ± 416	1328 ± 1763
CD4 + CD62E	419 ± 407	162 ± 216	206 ± 211	162 ± 212	314 ± 275
CD4 + CD62P	909 ± 872	527 ± 775	565 ± 766	506 ± 782	766 ± 828
CD4 + CD68	816 ± 754	547 ± 716	663 ± 695	531 ± 723	831 ± 798
CD4 + CD7	312 ± 267	121 ± 138	255 ± 288	294 ± 208	421 ± 450
CD4 + CD8a	92 ± 60	55 ± 57	74 ± 51	85 ± 48	212 ± 346
CD4 + CK14	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD4 + CLA	110 ± 82	60 ± 82	85 ± 76	111 ± 104	106 ± 78
CD4 + c-myc	411 ± 996	56 ± 124	128 ± 208	57 ± 126	49 ± 127
CD4 + Collagen IV	1668 ± 1431	1029 ± 1435	1287 ± 1348	1205 ± 1333	1767 ± 1401
CD4 + FXIIIA	85 ± 110	76 ± 114	100 ± 104	89 ± 107	314 ± 472
CD4 + HLA-DR	1827 ± 1417	1289 ± 1601	1394 ± 1542	1459 ± 1482	1875 ± 1439
CD4 + IL-22R	3 ± 5	3 ± 5	4 ± 5	4 ± 5	9 ± 11
CD4 + IL-23R	41 ± 89	17 ± 31	9 ± 12	8 ± 11	35 ± 65
CD4 + Ki67	2 ± 3	1 ± 3	1 ± 3	1 ± 3	6 ± 15
CD4 + PI	1655 ± 1240	995 ± 1297	1236 ± 1206	1152 ± 1192	2021 ± 1586
CD4 + Podoplanin	503 ± 844	409 ± 868	469 ± 847	590 ± 857	526 ± 850
CD4 + SNA1	2016 ± 1702	1208 ± 1597	1443 ± 1519	1293 ± 1544	1852 ± 1542
CD4 + STAT3	14 ± 24	5 ± 9	4 ± 8	5 ± 10	8 ± 13
CD4 + TIA1	70 ± 76	40 ± 65	47 ± 69	38 ± 65	68 ± 79
CD4 + Vimentin	1190 ± 843	626 ± 655	776 ± 565	824 ± 532	948 ± 485

Tabelle 341: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	872 ± 903	886 ± 656	910 ± 628	1097 ± 830	884 ± 754
CD44 + BCL2	40 ± 35	34 ± 35	107 ± 171	40 ± 32	65 ± 63
CD44 + CCR6	89 ± 72	63 ± 63	63 ± 51	110 ± 106	74 ± 59
CD44 + CD11a	400 ± 181	242 ± 193	507 ± 397	492 ± 504	412 ± 155
CD44 + CD11b	285 ± 266	290 ± 259	282 ± 264	420 ± 286	553 ± 379
CD44 + CD120a	4 ± 5	3 ± 5	7 ± 11	4 ± 4	11 ± 23
CD44 + CD120b	318 ± 557	93 ± 65	144 ± 113	102 ± 111	179 ± 159
CD44 + CD138	12 ± 20	20 ± 44	7 ± 9	5 ± 10	5 ± 10
CD44 + CD15	173 ± 387	54 ± 76	28 ± 26	61 ± 66	45 ± 46
CD44 + CD1a	5 ± 8	21 ± 52	4 ± 8	7 ± 15	4 ± 6
CD44 + CD2	311 ± 158	216 ± 202	353 ± 262	369 ± 288	443 ± 267
CD44 + CD207	11 ± 18	19 ± 39	12 ± 19	39 ± 93	13 ± 20
CD44 + CD24	348 ± 618	114 ± 103	159 ± 117	158 ± 177	146 ± 137
CD44 + CD28	305 ± 173	157 ± 197	270 ± 230	319 ± 265	378 ± 278
CD44 + CD29	1819 ± 1440	1246 ± 933	1622 ± 919	2011 ± 1138	1505 ± 1054
CD44 + CD3	579 ± 310	633 ± 525	719 ± 542	861 ± 621	760 ± 377
CD44 + CD31	759 ± 793	756 ± 601	742 ± 651	1088 ± 689	847 ± 600
CD44 + CD4	857 ± 773	663 ± 854	836 ± 829	889 ± 732	992 ± 725
CD44 + CD45	384 ± 201	185 ± 152	372 ± 280	425 ± 344	393 ± 341
CD44 + CD45RA	211 ± 71	154 ± 111	196 ± 100	183 ± 88	203 ± 81
CD44 + CD45RO	118 ± 88	67 ± 86	156 ± 126	199 ± 258	234 ± 261
CD44 + CD52	315 ± 268	244 ± 357	284 ± 320	512 ± 867	390 ± 369
CD44 + CD54	1951 ± 1204	1568 ± 1056	1738 ± 1024	2166 ± 1099	1764 ± 961
CD44 + CD56	79 ± 70	75 ± 57	66 ± 45	66 ± 49	95 ± 96
CD44 + CD58	231 ± 208	250 ± 214	213 ± 215	364 ± 278	430 ± 339
CD44 + CD62E	154 ± 257	67 ± 61	128 ± 122	198 ± 317	115 ± 91
CD44 + CD62P	566 ± 808	336 ± 291	458 ± 308	582 ± 424	423 ± 338
CD44 + CD68	335 ± 292	310 ± 249	370 ± 233	379 ± 278	360 ± 253
CD44 + CD7	200 ± 94	124 ± 113	299 ± 350	422 ± 472	272 ± 154
CD44 + CD8a	130 ± 61	123 ± 69	169 ± 72	180 ± 109	201 ± 84
CD44 + CK14	4 ± 6	4 ± 7	2 ± 3	1 ± 3	1 ± 3
CD44 + CLA	102 ± 58	78 ± 68	127 ± 89	178 ± 170	130 ± 89
CD44 + c-myc	511 ± 902	212 ± 341	325 ± 407	169 ± 306	136 ± 291
CD44 + Collagen IV	1193 ± 863	1340 ± 997	1604 ± 944	1998 ± 1255	1581 ± 1144
CD44 + FXIIIA	84 ± 96	102 ± 105	108 ± 83	106 ± 93	246 ± 232
CD44 + HLA-DR	2309 ± 1252	2118 ± 1253	2287 ± 1081	2631 ± 1318	2317 ± 1116
CD44 + IL-22R	2 ± 2	1 ± 2	2 ± 2	3 ± 4	7 ± 15
CD44 + IL-23R	7 ± 7	12 ± 22	5 ± 6	6 ± 5	11 ± 15
CD44 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD44 + PI	1305 ± 886	979 ± 679	1291 ± 702	1396 ± 771	1296 ± 642
CD44 + Podoplanin	752 ± 471	664 ± 550	789 ± 554	864 ± 550	878 ± 476
CD44 + SNA1	1690 ± 1445	1616 ± 1120	1795 ± 999	1965 ± 920	1724 ± 1095
CD44 + STAT3	25 ± 43	28 ± 51	18 ± 26	12 ± 17	11 ± 17
CD44 + TIA1	59 ± 40	54 ± 41	67 ± 42	87 ± 56	93 ± 108
CD44 + Vimentin	1142 ± 677	1068 ± 752	1293 ± 485	1638 ± 768	1254 ± 599

Tabelle 342: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	216 ± 268	24 ± 24	28 ± 30	37 ± 64	112 ± 194
CD45 + BCL2	53 ± 42	21 ± 21	48 ± 43	31 ± 21	122 ± 222
CD45 + CCR6	46 ± 46	27 ± 45	37 ± 41	66 ± 75	50 ± 56
CD45 + CD11a	543 ± 351	191 ± 206	371 ± 290	430 ± 419	423 ± 398
CD45 + CD11b	93 ± 59	75 ± 63	81 ± 54	118 ± 69	211 ± 219
CD45 + CD120a	1 ± 1	1 ± 1	4 ± 11	0 ± 1	6 ± 17
CD45 + CD120b	73 ± 85	14 ± 15	37 ± 62	28 ± 34	172 ± 356
CD45 + CD138	5 ± 13	1 ± 2	1 ± 2	1 ± 1	0 ± 1
CD45 + CD15	32 ± 71	1 ± 2	4 ± 10	8 ± 10	6 ± 9
CD45 + CD1a	5 ± 10	10 ± 24	3 ± 6	6 ± 14	13 ± 29
CD45 + CD2	515 ± 352	169 ± 194	275 ± 223	295 ± 217	540 ± 631
CD45 + CD207	10 ± 14	12 ± 24	7 ± 13	29 ± 69	26 ± 42
CD45 + CD24	38 ± 78	4 ± 5	17 ± 20	25 ± 42	18 ± 18
CD45 + CD28	519 ± 405	133 ± 202	212 ± 195	290 ± 271	425 ± 598
CD45 + CD29	403 ± 356	74 ± 84	143 ± 120	175 ± 146	224 ± 265
CD45 + CD3	619 ± 404	220 ± 227	392 ± 305	504 ± 422	581 ± 626
CD45 + CD31	120 ± 118	31 ± 35	36 ± 35	106 ± 173	140 ± 169
CD45 + CD4	520 ± 373	196 ± 236	319 ± 270	410 ± 308	544 ± 621
CD45 + CD44	384 ± 201	185 ± 152	372 ± 280	425 ± 344	393 ± 341
CD45 + CD45RA	96 ± 60	36 ± 30	61 ± 36	73 ± 33	102 ± 118
CD45 + CD45RO	203 ± 183	70 ± 142	163 ± 164	203 ± 280	362 ± 541
CD45 + CD52	510 ± 451	119 ± 219	195 ± 221	331 ± 444	415 ± 645
CD45 + CD54	563 ± 490	164 ± 164	260 ± 232	419 ± 404	418 ± 446
CD45 + CD56	13 ± 20	3 ± 5	9 ± 8	5 ± 7	12 ± 27
CD45 + CD58	121 ± 193	40 ± 53	38 ± 53	117 ± 227	251 ± 498
CD45 + CD62E	47 ± 69	6 ± 17	11 ± 17	19 ± 35	15 ± 21
CD45 + CD62P	75 ± 120	8 ± 12	13 ± 12	22 ± 30	22 ± 47
CD45 + CD68	97 ± 106	33 ± 46	60 ± 58	49 ± 61	70 ± 52
CD45 + CD7	251 ± 231	88 ± 98	213 ± 248	283 ± 327	310 ± 394
CD45 + CD8a	120 ± 67	65 ± 54	112 ± 65	122 ± 72	211 ± 273
CD45 + CK14	2 ± 6	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD45 + CLA	87 ± 68	38 ± 36	67 ± 49	104 ± 123	83 ± 64
CD45 + c-myc	77 ± 154	2 ± 3	10 ± 16	2 ± 3	2 ± 3
CD45 + Collagen IV	186 ± 140	72 ± 65	138 ± 117	224 ± 235	223 ± 305
CD45 + FXIIIA	10 ± 9	7 ± 8	14 ± 12	13 ± 14	58 ± 90
CD45 + HLA-DR	485 ± 309	196 ± 167	324 ± 199	399 ± 313	376 ± 263
CD45 + IL-22R	0 ± 1	0 ± 1	1 ± 2	1 ± 2	3 ± 4
CD45 + IL-23R	8 ± 22	1 ± 3	0 ± 1	1 ± 1	11 ± 18
CD45 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 1	5 ± 15
CD45 + PI	455 ± 298	167 ± 195	327 ± 259	370 ± 279	434 ± 411
CD45 + Podoplanin	246 ± 289	110 ± 245	177 ± 254	279 ± 332	158 ± 240
CD45 + SNA1	245 ± 202	84 ± 64	167 ± 144	163 ± 118	197 ± 259
CD45 + STAT3	6 ± 15	1 ± 1	1 ± 1	1 ± 3	2 ± 3
CD45 + TIA1	42 ± 33	26 ± 28	32 ± 29	45 ± 44	69 ± 92
CD45 + Vimentin	233 ± 155	94 ± 125	196 ± 171	236 ± 215	188 ± 214

Tabelle 343: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	78 ± 57	85 ± 75	48 ± 25	47 ± 34	52 ± 25
CD45RA + BCL2	14 ± 10	7 ± 6	16 ± 26	10 ± 9	31 ± 47
CD45RA + CCR6	44 ± 54	49 ± 80	29 ± 36	30 ± 36	31 ± 34
CD45RA + CD11a	121 ± 92	63 ± 36	93 ± 69	91 ± 53	114 ± 100
CD45RA + CD11b	56 ± 47	56 ± 54	57 ± 46	81 ± 50	96 ± 68
CD45RA + CD120a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD45RA + CD120b	43 ± 47	15 ± 16	27 ± 27	13 ± 13	66 ± 113
CD45RA + CD138	21 ± 34	31 ± 59	14 ± 21	11 ± 21	11 ± 21
CD45RA + CD15	28 ± 47	23 ± 46	15 ± 20	12 ± 19	14 ± 17
CD45RA + CD1a	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD2	78 ± 57	39 ± 46	50 ± 50	58 ± 53	111 ± 134
CD45RA + CD207	3 ± 7	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD24	47 ± 56	20 ± 29	36 ± 38	27 ± 31	36 ± 30
CD45RA + CD28	58 ± 56	16 ± 16	20 ± 15	25 ± 16	80 ± 133
CD45RA + CD29	206 ± 88	154 ± 80	148 ± 52	137 ± 61	139 ± 55
CD45RA + CD3	99 ± 62	63 ± 41	68 ± 40	88 ± 45	140 ± 169
CD45RA + CD31	77 ± 63	85 ± 90	66 ± 60	84 ± 71	81 ± 54
CD45RA + CD4	115 ± 87	58 ± 65	72 ± 68	81 ± 57	131 ± 145
CD45RA + CD44	211 ± 71	154 ± 111	196 ± 100	183 ± 88	203 ± 81
CD45RA + CD45	96 ± 60	36 ± 30	61 ± 36	73 ± 33	102 ± 118
CD45RA + CD45RO	34 ± 39	28 ± 48	22 ± 19	17 ± 19	63 ± 107
CD45RA + CD52	71 ± 75	24 ± 38	23 ± 20	51 ± 54	100 ± 171
CD45RA + CD54	219 ± 106	146 ± 113	162 ± 126	170 ± 84	190 ± 155
CD45RA + CD56	40 ± 52	47 ± 75	32 ± 42	25 ± 44	32 ± 43
CD45RA + CD58	61 ± 52	72 ± 65	32 ± 38	46 ± 52	103 ± 147
CD45RA + CD62E	19 ± 25	9 ± 11	20 ± 26	25 ± 62	22 ± 22
CD45RA + CD62P	58 ± 80	35 ± 30	46 ± 47	52 ± 60	37 ± 24
CD45RA + CD68	50 ± 53	58 ± 52	45 ± 42	44 ± 46	39 ± 29
CD45RA + CD7	96 ± 62	86 ± 97	73 ± 57	99 ± 73	126 ± 98
CD45RA + CD8a	41 ± 35	34 ± 32	38 ± 29	46 ± 35	72 ± 75
CD45RA + CK14	6 ± 19	3 ± 7	1 ± 4	0 ± 0	0 ± 0
CD45RA + CLA	42 ± 27	24 ± 25	33 ± 26	33 ± 28	50 ± 46
CD45RA + c-myc	49 ± 71	50 ± 88	27 ± 28	17 ± 26	18 ± 26
CD45RA + Collagen IV	108 ± 74	95 ± 60	97 ± 70	103 ± 58	111 ± 75
CD45RA + FXIIIA	30 ± 43	45 ± 77	25 ± 33	19 ± 34	36 ± 33
CD45RA + HLA-DR	275 ± 84	219 ± 117	229 ± 96	220 ± 93	222 ± 86
CD45RA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD45RA + IL-23R	2 ± 3	8 ± 17	1 ± 1	1 ± 1	3 ± 3
CD45RA + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + PI	207 ± 84	148 ± 66	178 ± 90	170 ± 60	185 ± 67
CD45RA + Podoplanin	117 ± 82	106 ± 102	95 ± 81	110 ± 85	111 ± 71
CD45RA + SNA1	155 ± 85	137 ± 55	120 ± 57	113 ± 43	116 ± 50
CD45RA + STAT3	34 ± 56	44 ± 79	22 ± 33	17 ± 33	18 ± 32
CD45RA + TIA1	76 ± 87	97 ± 89	69 ± 72	81 ± 77	73 ± 72
CD45RA + Vimentin	106 ± 75	101 ± 77	96 ± 51	101 ± 41	84 ± 51

Tabelle 344: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	78 ± 152	24 ± 42	26 ± 18	27 ± 45	77 ± 151
CD45RO + BCL2	27 ± 25	10 ± 15	34 ± 42	16 ± 21	123 ± 250
CD45RO + CCR6	42 ± 48	36 ± 53	29 ± 32	48 ± 56	48 ± 63
CD45RO + CD11a	219 ± 213	75 ± 153	167 ± 171	199 ± 300	324 ± 477
CD45RO + CD11b	49 ± 56	24 ± 28	53 ± 57	141 ± 271	153 ± 239
CD45RO + CD120a	1 ± 1	0 ± 1	2 ± 6	0 ± 1	9 ± 26
CD45RO + CD120b	24 ± 39	8 ± 14	18 ± 31	15 ± 20	166 ± 361
CD45RO + CD138	22 ± 43	23 ± 48	20 ± 24	9 ± 15	8 ± 15
CD45RO + CD15	19 ± 31	15 ± 35	14 ± 25	83 ± 233	14 ± 22
CD45RO + CD1a	4 ± 7	3 ± 5	2 ± 3	5 ± 11	14 ± 38
CD45RO + CD2	232 ± 211	86 ± 169	173 ± 172	191 ± 219	544 ± 874
CD45RO + CD207	9 ± 15	5 ± 15	6 ± 15	22 ± 48	29 ± 58
CD45RO + CD24	17 ± 34	5 ± 12	15 ± 25	103 ± 276	10 ± 19
CD45RO + CD28	207 ± 202	68 ± 151	119 ± 151	163 ± 227	420 ± 743
CD45RO + CD29	137 ± 198	38 ± 42	74 ± 53	87 ± 98	129 ± 213
CD45RO + CD3	241 ± 234	91 ± 174	197 ± 196	245 ± 334	530 ± 901
CD45RO + CD31	34 ± 61	6 ± 11	18 ± 25	24 ± 30	155 ± 259
CD45RO + CD4	218 ± 218	88 ± 180	159 ± 179	192 ± 232	517 ± 868
CD45RO + CD44	118 ± 88	67 ± 86	156 ± 126	199 ± 258	234 ± 261
CD45RO + CD45	203 ± 183	70 ± 142	163 ± 164	203 ± 280	362 ± 541
CD45RO + CD45RA	34 ± 39	28 ± 48	22 ± 19	17 ± 19	63 ± 107
CD45RO + CD52	188 ± 202	72 ± 164	116 ± 170	187 ± 335	426 ± 820
CD45RO + CD54	180 ± 194	56 ± 105	111 ± 111	176 ± 245	303 ± 525
CD45RO + CD56	28 ± 50	27 ± 50	20 ± 27	12 ± 21	15 ± 23
CD45RO + CD58	53 ± 80	30 ± 48	25 ± 37	27 ± 37	260 ± 567
CD45RO + CD62E	32 ± 82	3 ± 9	24 ± 49	105 ± 299	28 ± 53
CD45RO + CD62P	30 ± 61	5 ± 12	16 ± 27	24 ± 49	22 ± 34
CD45RO + CD68	42 ± 64	24 ± 37	36 ± 37	30 ± 41	50 ± 57
CD45RO + CD7	114 ± 110	39 ± 67	98 ± 96	152 ± 235	227 ± 410
CD45RO + CD8a	51 ± 53	17 ± 30	43 ± 43	46 ± 51	169 ± 330
CD45RO + CK14	7 ± 20	2 ± 7	2 ± 5	1 ± 2	0 ± 0
CD45RO + CLA	40 ± 38	16 ± 30	41 ± 40	145 ± 257	59 ± 66
CD45RO + c-myc	30 ± 65	21 ± 49	17 ± 20	5 ± 9	6 ± 9
CD45RO + Collagen IV	81 ± 124	30 ± 47	86 ± 85	133 ± 160	147 ± 207
CD45RO + FXIIIA	22 ± 37	25 ± 47	30 ± 25	11 ± 8	50 ± 55
CD45RO + HLA-DR	191 ± 196	88 ± 111	158 ± 125	190 ± 231	249 ± 275
CD45RO + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	3 ± 6
CD45RO + IL-23R	17 ± 44	2 ± 4	6 ± 11	17 ± 48	12 ± 18
CD45RO + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	5 ± 15
CD45RO + PI	214 ± 227	76 ± 155	201 ± 196	260 ± 287	376 ± 561
CD45RO + Podoplanin	142 ± 181	92 ± 179	117 ± 170	157 ± 220	162 ± 215
CD45RO + SNA1	109 ± 160	41 ± 47	103 ± 108	125 ± 176	107 ± 137
CD45RO + STAT3	29 ± 52	26 ± 51	19 ± 27	29 ± 57	12 ± 21
CD45RO + TIA1	47 ± 75	24 ± 41	24 ± 26	101 ± 248	53 ± 67
CD45RO + Vimentin	114 ± 121	61 ± 99	127 ± 115	142 ± 155	139 ± 144

Tabelle 345: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	668 ± 891	94 ± 169	118 ± 225	284 ± 734	466 ± 1100
CD52 + BCL2	61 ± 66	15 ± 21	62 ± 131	23 ± 25	161 ± 357
CD52 + CCR6	42 ± 49	36 ± 57	30 ± 48	61 ± 96	50 ± 76
CD52 + CD11a	513 ± 450	131 ± 265	234 ± 281	391 ± 613	419 ± 499
CD52 + CD11b	139 ± 153	44 ± 97	62 ± 101	77 ± 91	204 ± 275
CD52 + CD120a	2 ± 2	1 ± 2	1 ± 2	2 ± 2	9 ± 26
CD52 + CD120b	77 ± 99	19 ± 26	33 ± 45	25 ± 40	244 ± 561
CD52 + CD138	7 ± 20	13 ± 38	6 ± 14	2 ± 6	0 ± 1
CD52 + CD15	87 ± 191	15 ± 35	7 ± 6	8 ± 9	13 ± 26
CD52 + CD1a	7 ± 11	17 ± 37	3 ± 8	8 ± 16	15 ± 26
CD52 + CD2	738 ± 765	136 ± 266	209 ± 258	235 ± 289	790 ± 1477
CD52 + CD207	21 ± 38	25 ± 49	14 ± 39	43 ± 91	29 ± 50
CD52 + CD24	51 ± 99	9 ± 14	35 ± 64	26 ± 28	34 ± 48
CD52 + CD28	799 ± 811	146 ± 320	226 ± 340	302 ± 450	786 ± 1300
CD52 + CD29	932 ± 1095	104 ± 113	242 ± 382	452 ± 1000	601 ± 1186
CD52 + CD3	876 ± 768	303 ± 486	389 ± 488	555 ± 783	1123 ± 1860
CD52 + CD31	470 ± 577	99 ± 129	146 ± 244	401 ± 829	803 ± 1675
CD52 + CD4	935 ± 1047	227 ± 487	314 ± 474	422 ± 537	1045 ± 1698
CD52 + CD44	315 ± 268	244 ± 357	284 ± 320	512 ± 867	390 ± 369
CD52 + CD45	510 ± 451	119 ± 219	195 ± 221	331 ± 444	415 ± 645
CD52 + CD45RA	71 ± 75	24 ± 38	23 ± 20	51 ± 54	100 ± 171
CD52 + CD45RO	188 ± 202	72 ± 164	116 ± 170	187 ± 335	426 ± 820
CD52 + CD54	1117 ± 1296	243 ± 333	312 ± 410	742 ± 1382	951 ± 1782
CD52 + CD56	42 ± 76	15 ± 35	7 ± 5	5 ± 4	14 ± 25
CD52 + CD58	253 ± 418	64 ± 85	73 ± 95	139 ± 230	824 ± 1751
CD52 + CD62E	234 ± 309	29 ± 46	92 ± 179	244 ± 647	265 ± 559
CD52 + CD62P	375 ± 576	43 ± 53	95 ± 156	255 ± 646	277 ± 578
CD52 + CD68	265 ± 455	62 ± 118	108 ± 155	191 ± 405	188 ± 272
CD52 + CD7	240 ± 279	62 ± 133	128 ± 149	320 ± 615	319 ± 448
CD52 + CD8a	105 ± 107	51 ± 83	85 ± 86	92 ± 99	221 ± 397
CD52 + CK14	4 ± 11	3 ± 7	1 ± 1	0 ± 0	0 ± 1
CD52 + CLA	84 ± 79	30 ± 47	41 ± 46	100 ± 180	71 ± 66
CD52 + c-myc	197 ± 348	42 ± 83	78 ± 153	65 ± 136	23 ± 67
CD52 + Collagen IV	536 ± 619	217 ± 338	291 ± 402	620 ± 1181	551 ± 743
CD52 + FXIIIA	15 ± 17	23 ± 40	20 ± 23	17 ± 13	57 ± 52
CD52 + HLA-DR	709 ± 759	297 ± 446	341 ± 467	617 ± 1030	631 ± 736
CD52 + IL-22R	1 ± 3	1 ± 3	1 ± 3	2 ± 3	9 ± 18
CD52 + IL-23R	17 ± 47	3 ± 5	6 ± 17	0 ± 1	28 ± 76
CD52 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	5 ± 15
CD52 + PI	757 ± 779	217 ± 384	343 ± 413	498 ± 748	836 ± 1291
CD52 + Podoplanin	463 ± 680	233 ± 637	274 ± 625	487 ± 755	389 ± 664
CD52 + SNA1	576 ± 541	212 ± 306	281 ± 372	412 ± 640	419 ± 591
CD52 + STAT3	9 ± 21	14 ± 35	4 ± 4	2 ± 3	13 ± 34
CD52 + TIA1	58 ± 68	28 ± 41	25 ± 29	53 ± 101	50 ± 77
CD52 + Vimentin	488 ± 488	221 ± 395	240 ± 359	481 ± 748	335 ± 408

Tabelle 346: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	6009 ± 3512	3568 ± 2900	5323 ± 3271	3956 ± 2881	4382 ± 3039
CD54 + BCL2	191 ± 276	45 ± 35	579 ± 1071	51 ± 33	140 ± 212
CD54 + CCR6	89 ± 106	36 ± 49	41 ± 46	81 ± 87	57 ± 64
CD54 + CD11a	588 ± 428	228 ± 230	359 ± 339	516 ± 607	438 ± 349
CD54 + CD11b	572 ± 397	311 ± 309	493 ± 394	624 ± 650	774 ± 691
CD54 + CD120a	11 ± 13	6 ± 9	13 ± 13	10 ± 14	18 ± 34
CD54 + CD120b	144 ± 178	33 ± 23	54 ± 63	42 ± 43	203 ± 413
CD54 + CD138	2 ± 6	1 ± 3	0 ± 1	0 ± 0	0 ± 0
CD54 + CD15	180 ± 279	71 ± 118	101 ± 128	168 ± 351	79 ± 82
CD54 + CD1a	7 ± 13	40 ± 109	6 ± 11	9 ± 17	13 ± 17
CD54 + CD2	845 ± 709	287 ± 283	391 ± 342	378 ± 250	746 ± 752
CD54 + CD207	27 ± 44	34 ± 69	18 ± 36	45 ± 98	28 ± 38
CD54 + CD24	141 ± 214	25 ± 22	158 ± 268	131 ± 259	75 ± 74
CD54 + CD28	784 ± 756	183 ± 254	264 ± 268	339 ± 314	605 ± 690
CD54 + CD29	8841 ± 4177	4716 ± 4112	7103 ± 3787	6269 ± 3469	5918 ± 3709
CD54 + CD3	1097 ± 673	730 ± 548	704 ± 605	897 ± 635	1231 ± 1348
CD54 + CD31	6611 ± 3708	4149 ± 3723	5677 ± 3923	5686 ± 3514	6183 ± 4964
CD54 + CD4	2533 ± 1796	1460 ± 1853	1698 ± 1785	1713 ± 1704	2442 ± 1813
CD54 + CD44	1951 ± 1204	1568 ± 1056	1738 ± 1024	2166 ± 1099	1764 ± 961
CD54 + CD45	563 ± 490	164 ± 164	260 ± 232	419 ± 404	418 ± 446
CD54 + CD45RA	219 ± 106	146 ± 113	162 ± 126	170 ± 84	190 ± 155
CD54 + CD45RO	180 ± 194	56 ± 105	111 ± 111	176 ± 245	303 ± 525
CD54 + CD52	1117 ± 1296	243 ± 333	312 ± 410	742 ± 1382	951 ± 1782
CD54 + CD56	152 ± 239	64 ± 146	73 ± 142	74 ± 141	107 ± 154
CD54 + CD58	1389 ± 1223	1263 ± 1254	982 ± 1146	1488 ± 1490	2339 ± 2868
CD54 + CD62E	1480 ± 1451	426 ± 468	1676 ± 2131	1058 ± 1332	1171 ± 1183
CD54 + CD62P	3454 ± 2313	2020 ± 1963	3584 ± 2127	2870 ± 1811	2882 ± 1798
CD54 + CD68	2436 ± 1874	1502 ± 1026	2058 ± 972	1730 ± 1228	1890 ± 1041
CD54 + CD7	344 ± 280	198 ± 218	278 ± 358	528 ± 574	394 ± 364
CD54 + CD8a	126 ± 61	97 ± 74	112 ± 70	139 ± 60	197 ± 248
CD54 + CK14	2 ± 2	1 ± 1	1 ± 1	1 ± 2	2 ± 3
CD54 + CLA	152 ± 103	59 ± 68	111 ± 85	171 ± 202	95 ± 70
CD54 + c-myc	2977 ± 4564	745 ± 1358	2264 ± 2841	807 ± 1440	617 ± 1390
CD54 + Collagen IV	5785 ± 3003	3722 ± 3114	5650 ± 3152	5470 ± 3005	4828 ± 2854
CD54 + FXIIIA	170 ± 147	143 ± 161	355 ± 481	177 ± 148	501 ± 657
CD54 + HLA-DR	6148 ± 2794	4039 ± 3197	4872 ± 2869	4897 ± 2972	4561 ± 3140
CD54 + IL-22R	6 ± 12	6 ± 12	7 ± 12	10 ± 15	11 ± 14
CD54 + IL-23R	95 ± 169	94 ± 216	48 ± 60	41 ± 54	85 ± 138
CD54 + Ki67	3 ± 5	2 ± 5	6 ± 10	2 ± 5	4 ± 7
CD54 + PI	5270 ± 2353	2909 ± 2259	4154 ± 2228	3844 ± 1874	4263 ± 2583
CD54 + Podoplanin	692 ± 725	381 ± 601	389 ± 580	630 ± 732	386 ± 570
CD54 + SNA1	7946 ± 4687	4674 ± 3696	6931 ± 3984	5887 ± 3293	5689 ± 3709
CD54 + STAT3	69 ± 101	51 ± 96	56 ± 92	64 ± 109	53 ± 96
CD54 + TIA1	215 ± 168	132 ± 110	258 ± 214	236 ± 187	173 ± 160
CD54 + Vimentin	5006 ± 2618	2552 ± 2133	3932 ± 2010	4199 ± 1937	3075 ± 1874

Tabelle 347: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	295 ± 471	102 ± 147	74 ± 149	79 ± 149	106 ± 167
CD56 + BCL2	10 ± 20	1 ± 1	5 ± 11	0 ± 1	1 ± 2
CD56 + CCR6	32 ± 52	40 ± 71	23 ± 35	21 ± 34	21 ± 34
CD56 + CD11a	15 ± 24	3 ± 4	12 ± 13	5 ± 5	4 ± 5
CD56 + CD11b	25 ± 33	22 ± 34	23 ± 34	25 ± 33	32 ± 32
CD56 + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD56 + CD120b	7 ± 17	4 ± 11	1 ± 2	2 ± 2	6 ± 10
CD56 + CD138	24 ± 42	32 ± 64	15 ± 22	11 ± 20	11 ± 20
CD56 + CD15	14 ± 26	23 ± 49	9 ± 18	7 ± 18	12 ± 23
CD56 + CD1a	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	23 ± 40	2 ± 4	9 ± 12	6 ± 10	12 ± 21
CD56 + CD207	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	9 ± 22	8 ± 13	3 ± 5	2 ± 3	10 ± 17
CD56 + CD28	49 ± 103	3 ± 4	4 ± 4	3 ± 4	9 ± 18
CD56 + CD29	347 ± 479	140 ± 167	125 ± 169	134 ± 168	165 ± 207
CD56 + CD3	62 ± 141	11 ± 15	15 ± 12	10 ± 10	31 ± 47
CD56 + CD31	44 ± 63	21 ± 53	24 ± 52	32 ± 53	47 ± 58
CD56 + CD4	90 ± 111	30 ± 46	35 ± 43	33 ± 44	49 ± 44
CD56 + CD44	79 ± 70	75 ± 57	66 ± 45	66 ± 49	95 ± 96
CD56 + CD45	13 ± 20	3 ± 5	9 ± 8	5 ± 7	12 ± 27
CD56 + CD45RA	40 ± 52	47 ± 75	32 ± 42	25 ± 44	32 ± 43
CD56 + CD45RO	28 ± 50	27 ± 50	20 ± 27	12 ± 21	15 ± 23
CD56 + CD52	42 ± 76	15 ± 35	7 ± 5	5 ± 4	14 ± 25
CD56 + CD54	152 ± 239	64 ± 146	73 ± 142	74 ± 141	107 ± 154
CD56 + CD58	77 ± 104	55 ± 95	43 ± 92	47 ± 91	65 ± 99
CD56 + CD62E	0 ± 0	3 ± 8	2 ± 4	0 ± 0	2 ± 5
CD56 + CD62P	6 ± 14	6 ± 12	4 ± 5	4 ± 5	4 ± 7
CD56 + CD68	100 ± 185	42 ± 41	41 ± 38	39 ± 40	47 ± 38
CD56 + CD7	17 ± 25	6 ± 5	11 ± 13	8 ± 7	10 ± 15
CD56 + CD8a	7 ± 8	4 ± 7	5 ± 7	4 ± 6	6 ± 7
CD56 + CK14	7 ± 20	3 ± 8	2 ± 5	0 ± 0	0 ± 0
CD56 + CLA	9 ± 13	5 ± 10	6 ± 9	5 ± 10	6 ± 10
CD56 + c-myc	100 ± 230	48 ± 86	28 ± 30	19 ± 29	21 ± 29
CD56 + Collagen IV	185 ± 207	112 ± 140	114 ± 138	123 ± 136	162 ± 193
CD56 + FXIIIA	48 ± 56	45 ± 77	28 ± 37	22 ± 37	31 ± 37
CD56 + HLA-DR	106 ± 71	106 ± 78	90 ± 56	89 ± 59	111 ± 54
CD56 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + IL-23R	7 ± 12	2 ± 4	1 ± 1	1 ± 1	1 ± 2
CD56 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + PI	180 ± 301	69 ± 110	73 ± 108	72 ± 111	110 ± 128
CD56 + Podoplanin	75 ± 53	81 ± 80	70 ± 48	55 ± 58	80 ± 47
CD56 + SNA1	210 ± 319	106 ± 100	98 ± 89	98 ± 91	143 ± 141
CD56 + STAT3	35 ± 57	45 ± 83	28 ± 38	18 ± 35	19 ± 34
CD56 + TIA1	24 ± 40	32 ± 59	19 ± 34	15 ± 34	16 ± 34
CD56 + Vimentin	151 ± 211	75 ± 70	70 ± 40	78 ± 42	108 ± 102

Tabelle 348: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	1024 ± 832	1006 ± 952	684 ± 673	794 ± 621	1493 ± 2020
CD58 + BCL2	77 ± 92	26 ± 34	94 ± 166	23 ± 31	179 ± 373
CD58 + CCR6	27 ± 31	28 ± 42	17 ± 20	22 ± 21	33 ± 47
CD58 + CD11a	127 ± 238	53 ± 71	53 ± 74	137 ± 230	250 ± 335
CD58 + CD11b	55 ± 68	47 ± 57	42 ± 59	78 ± 114	248 ± 377
CD58 + CD120a	3 ± 4	2 ± 4	4 ± 5	7 ± 13	12 ± 30
CD58 + CD120b	28 ± 57	18 ± 19	15 ± 18	9 ± 14	238 ± 565
CD58 + CD138	11 ± 23	17 ± 40	6 ± 9	4 ± 8	4 ± 8
CD58 + CD15	19 ± 28	24 ± 40	13 ± 28	21 ± 34	20 ± 29
CD58 + CD1a	2 ± 3	37 ± 102	1 ± 2	1 ± 2	13 ± 24
CD58 + CD2	190 ± 254	63 ± 73	66 ± 72	79 ± 72	635 ± 1401
CD58 + CD207	6 ± 11	24 ± 62	4 ± 10	4 ± 10	18 ± 35
CD58 + CD24	7 ± 8	7 ± 12	10 ± 13	9 ± 15	41 ± 68
CD58 + CD28	230 ± 370	67 ± 91	70 ± 82	92 ± 118	619 ± 1156
CD58 + CD29	1541 ± 1263	1330 ± 1201	1062 ± 1117	1452 ± 1182	2284 ± 2761
CD58 + CD3	236 ± 348	156 ± 194	135 ± 131	233 ± 373	916 ± 1725
CD58 + CD31	1257 ± 1077	1193 ± 1130	903 ± 956	1453 ± 1469	2596 ± 3726
CD58 + CD4	583 ± 653	352 ± 346	312 ± 351	422 ± 416	1328 ± 1763
CD58 + CD44	231 ± 208	250 ± 214	213 ± 215	364 ± 278	430 ± 339
CD58 + CD45	121 ± 193	40 ± 53	38 ± 53	117 ± 227	251 ± 498
CD58 + CD45RA	61 ± 52	72 ± 65	32 ± 38	46 ± 52	103 ± 147
CD58 + CD45RO	53 ± 80	30 ± 48	25 ± 37	27 ± 37	260 ± 567
CD58 + CD52	253 ± 418	64 ± 85	73 ± 95	139 ± 230	824 ± 1751
CD58 + CD54	1389 ± 1223	1263 ± 1254	982 ± 1146	1488 ± 1490	2339 ± 2868
CD58 + CD56	77 ± 104	55 ± 95	43 ± 92	47 ± 91	65 ± 99
CD58 + CD62E	227 ± 270	135 ± 166	184 ± 200	192 ± 190	426 ± 590
CD58 + CD62P	434 ± 460	440 ± 512	381 ± 424	456 ± 406	710 ± 685
CD58 + CD68	592 ± 601	581 ± 496	461 ± 376	440 ± 380	765 ± 696
CD58 + CD7	67 ± 68	71 ± 114	40 ± 46	105 ± 146	231 ± 344
CD58 + CD8a	29 ± 44	14 ± 15	14 ± 15	26 ± 27	112 ± 245
CD58 + CK14	5 ± 15	2 ± 7	1 ± 3	1 ± 2	0 ± 1
CD58 + CLA	12 ± 14	11 ± 14	12 ± 14	26 ± 41	38 ± 56
CD58 + c-myc	231 ± 388	173 ± 381	241 ± 398	172 ± 385	150 ± 389
CD58 + Collagen IV	1044 ± 950	873 ± 927	744 ± 771	1239 ± 1245	1512 ± 1500
CD58 + FXIIIA	36 ± 35	41 ± 46	47 ± 37	37 ± 35	180 ± 329
CD58 + HLA-DR	891 ± 861	869 ± 880	637 ± 862	891 ± 827	1226 ± 1046
CD58 + IL-22R	2 ± 4	2 ± 4	2 ± 4	5 ± 11	11 ± 18
CD58 + IL-23R	34 ± 56	89 ± 234	15 ± 27	14 ± 23	39 ± 78
CD58 + Ki67	0 ± 0	0 ± 0	2 ± 4	0 ± 0	5 ± 15
CD58 + PI	912 ± 734	795 ± 715	613 ± 654	942 ± 858	1966 ± 2837
CD58 + Podoplanin	99 ± 161	87 ± 166	78 ± 166	264 ± 577	233 ± 317
CD58 + SNA1	1202 ± 1014	1162 ± 1112	866 ± 919	1315 ± 1240	1667 ± 1660
CD58 + STAT3	42 ± 60	55 ± 65	33 ± 56	42 ± 62	38 ± 57
CD58 + TIA1	30 ± 25	58 ± 59	18 ± 19	22 ± 16	44 ± 45
CD58 + Vimentin	891 ± 766	719 ± 686	622 ± 694	1198 ± 1258	974 ± 739

Tabelle 349: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	1033 ± 1114	297 ± 339	1136 ± 1530	604 ± 968	809 ± 816
CD62E + BCL2	41 ± 78	1 ± 1	370 ± 808	2 ± 2	11 ± 20
CD62E + CCR6	17 ± 30	5 ± 8	5 ± 9	4 ± 4	3 ± 3
CD62E + CD11a	65 ± 92	6 ± 12	19 ± 24	48 ± 101	22 ± 34
CD62E + CD11b	222 ± 315	41 ± 97	219 ± 367	408 ± 1043	162 ± 185
CD62E + CD120a	1 ± 1	0 ± 1	2 ± 5	1 ± 1	2 ± 4
CD62E + CD120b	8 ± 12	5 ± 11	6 ± 13	1 ± 2	13 ± 24
CD62E + CD138	0 ± 1	3 ± 8	11 ± 26	2 ± 7	0 ± 0
CD62E + CD15	76 ± 165	10 ± 16	59 ± 102	349 ± 1023	51 ± 117
CD62E + CD1a	0 ± 0	26 ± 76	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	162 ± 218	23 ± 29	41 ± 59	21 ± 24	70 ± 78
CD62E + CD207	1 ± 3	16 ± 49	0 ± 1	0 ± 0	0 ± 0
CD62E + CD24	25 ± 51	4 ± 11	98 ± 194	381 ± 1125	23 ± 66
CD62E + CD28	126 ± 190	19 ± 47	28 ± 50	22 ± 48	49 ± 97
CD62E + CD29	1352 ± 1243	374 ± 425	1529 ± 2016	909 ± 1261	912 ± 676
CD62E + CD3	140 ± 181	50 ± 76	84 ± 110	69 ± 99	133 ± 182
CD62E + CD31	1298 ± 1252	391 ± 445	1494 ± 1922	997 ± 1315	1216 ± 1269
CD62E + CD4	419 ± 407	162 ± 216	206 ± 211	162 ± 212	314 ± 275
CD62E + CD44	154 ± 257	67 ± 61	128 ± 122	198 ± 317	115 ± 91
CD62E + CD45	47 ± 69	6 ± 17	11 ± 17	19 ± 35	15 ± 21
CD62E + CD45RA	19 ± 25	9 ± 11	20 ± 26	25 ± 62	22 ± 22
CD62E + CD45RO	32 ± 82	3 ± 9	24 ± 49	105 ± 299	28 ± 53
CD62E + CD52	234 ± 309	29 ± 46	92 ± 179	244 ± 647	265 ± 559
CD62E + CD54	1480 ± 1451	426 ± 468	1676 ± 2131	1058 ± 1332	1171 ± 1183
CD62E + CD56	0 ± 0	3 ± 8	2 ± 4	0 ± 0	2 ± 5
CD62E + CD58	227 ± 270	135 ± 166	184 ± 200	192 ± 190	426 ± 590
CD62E + CD62P	1249 ± 1314	399 ± 470	1463 ± 1709	950 ± 1283	1131 ± 1046
CD62E + CD68	636 ± 775	198 ± 223	620 ± 654	443 ± 733	524 ± 414
CD62E + CD7	42 ± 70	5 ± 6	19 ± 38	80 ± 207	42 ± 57
CD62E + CD8a	4 ± 6	0 ± 1	3 ± 6	1 ± 4	15 ± 30
CD62E + CK14	0 ± 0	1 ± 3	0 ± 0	1 ± 2	0 ± 0
CD62E + CLA	19 ± 37	1 ± 2	23 ± 51	320 ± 959	7 ± 14
CD62E + c-myc	533 ± 1069	85 ± 223	824 ± 1640	198 ± 395	94 ± 223
CD62E + Collagen IV	595 ± 629	180 ± 228	809 ± 1135	760 ± 1173	490 ± 387
CD62E + FXIIIA	4 ± 8	4 ± 8	168 ± 439	6 ± 10	63 ± 131
CD62E + HLA-DR	804 ± 646	297 ± 311	830 ± 923	594 ± 728	533 ± 290
CD62E + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 4
CD62E + IL-23R	48 ± 117	7 ± 11	30 ± 54	29 ± 77	81 ± 190
CD62E + Ki67	0 ± 0	0 ± 0	1 ± 4	1 ± 3	0 ± 0
CD62E + PI	800 ± 683	232 ± 248	945 ± 1244	799 ± 1028	634 ± 460
CD62E + Podoplanin	1 ± 3	7 ± 15	1 ± 2	0 ± 0	0 ± 1
CD62E + SNA1	1184 ± 1339	328 ± 341	1395 ± 1922	887 ± 1034	718 ± 554
CD62E + STAT3	34 ± 48	16 ± 30	22 ± 33	47 ± 103	24 ± 42
CD62E + TIA1	98 ± 134	22 ± 34	102 ± 143	411 ± 1072	75 ± 115
CD62E + Vimentin	786 ± 823	256 ± 299	919 ± 1272	786 ± 974	449 ± 306

Tabelle 350: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	2658 ± 2037	1530 ± 1515	2664 ± 1677	1975 ± 1527	2183 ± 1456
CD62P + BCL2	50 ± 86	7 ± 14	346 ± 736	9 ± 14	20 ± 35
CD62P + CCR6	28 ± 50	10 ± 12	7 ± 7	12 ± 20	5 ± 6
CD62P + CD11a	87 ± 139	17 ± 14	37 ± 42	52 ± 94	34 ± 60
CD62P + CD11b	217 ± 262	71 ± 135	187 ± 250	165 ± 253	244 ± 355
CD62P + CD120a	2 ± 3	1 ± 3	2 ± 3	2 ± 3	1 ± 3
CD62P + CD120b	128 ± 352	20 ± 21	16 ± 20	8 ± 11	14 ± 18
CD62P + CD138	9 ± 22	6 ± 12	12 ± 21	4 ± 7	2 ± 3
CD62P + CD15	196 ± 487	35 ± 45	45 ± 45	87 ± 177	41 ± 53
CD62P + CD1a	1 ± 3	12 ± 32	0 ± 0	0 ± 0	0 ± 1
CD62P + CD2	228 ± 357	39 ± 38	60 ± 81	38 ± 34	99 ± 75
CD62P + CD207	5 ± 12	9 ± 26	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	149 ± 379	17 ± 28	80 ± 136	79 ± 185	24 ± 48
CD62P + CD28	191 ± 334	17 ± 26	39 ± 63	27 ± 47	64 ± 102
CD62P + CD29	3341 ± 2307	1943 ± 1819	3220 ± 1784	2689 ± 1760	2506 ± 1581
CD62P + CD3	207 ± 264	96 ± 109	135 ± 149	102 ± 109	182 ± 184
CD62P + CD31	3121 ± 2188	1964 ± 1907	3099 ± 2020	2716 ± 1883	2874 ± 1855
CD62P + CD4	909 ± 872	527 ± 775	565 ± 766	506 ± 782	766 ± 828
CD62P + CD44	566 ± 808	336 ± 291	458 ± 308	582 ± 424	423 ± 338
CD62P + CD45	75 ± 120	8 ± 12	13 ± 12	22 ± 30	22 ± 47
CD62P + CD45RA	58 ± 80	35 ± 30	46 ± 47	52 ± 60	37 ± 24
CD62P + CD45RO	30 ± 61	5 ± 12	16 ± 27	24 ± 49	22 ± 34
CD62P + CD52	375 ± 576	43 ± 53	95 ± 156	255 ± 646	277 ± 578
CD62P + CD54	3454 ± 2313	2020 ± 1963	3584 ± 2127	2870 ± 1811	2882 ± 1798
CD62P + CD56	6 ± 14	6 ± 12	4 ± 5	4 ± 5	4 ± 7
CD62P + CD58	434 ± 460	440 ± 512	381 ± 424	456 ± 406	710 ± 685
CD62P + CD62E	1249 ± 1314	399 ± 470	1463 ± 1709	950 ± 1283	1131 ± 1046
CD62P + CD68	1158 ± 1014	687 ± 556	1030 ± 556	870 ± 847	997 ± 569
CD62P + CD7	100 ± 140	51 ± 75	63 ± 87	157 ± 206	73 ± 103
CD62P + CD8a	11 ± 18	5 ± 5	6 ± 6	9 ± 15	14 ± 19
CD62P + CK14	1 ± 4	2 ± 6	0 ± 0	0 ± 1	0 ± 0
CD62P + CLA	19 ± 37	1 ± 1	13 ± 28	19 ± 55	5 ± 7
CD62P + c-myc	1198 ± 2127	368 ± 722	1099 ± 1499	429 ± 814	289 ± 715
CD62P + Collagen IV	1390 ± 876	906 ± 932	1724 ± 994	1603 ± 1249	1409 ± 878
CD62P + FXIIIA	34 ± 43	31 ± 45	190 ± 412	31 ± 44	153 ± 253
CD62P + HLA-DR	2164 ± 1480	1495 ± 1478	2137 ± 1224	1985 ± 1338	1740 ± 1355
CD62P + IL-22R	3 ± 7	3 ± 7	3 ± 7	4 ± 7	5 ± 7
CD62P + IL-23R	53 ± 113	10 ± 12	31 ± 47	18 ± 33	91 ± 208
CD62P + Ki67	1 ± 2	0 ± 0	2 ± 5	1 ± 3	0 ± 0
CD62P + PI	1866 ± 1099	1112 ± 938	1899 ± 1133	1523 ± 836	1501 ± 779
CD62P + Podoplanin	17 ± 39	18 ± 32	4 ± 5	4 ± 6	4 ± 6
CD62P + SNA1	2817 ± 2374	1726 ± 1597	3032 ± 1802	2311 ± 1477	2149 ± 1498
CD62P + STAT3	51 ± 78	27 ± 53	36 ± 54	41 ± 72	34 ± 59
CD62P + TIA1	92 ± 94	43 ± 49	121 ± 112	128 ± 143	88 ± 126
CD62P + Vimentin	1884 ± 1456	1096 ± 1116	1962 ± 1169	1881 ± 1096	1314 ± 1006

Tabelle 351: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	1739 ± 1693	1015 ± 778	1415 ± 972	1085 ± 863	1360 ± 925
CD68 + BCL2	144 ± 225	41 ± 47	376 ± 656	37 ± 46	88 ± 108
CD68 + CCR6	44 ± 53	32 ± 35	27 ± 35	31 ± 35	31 ± 32
CD68 + CD11a	95 ± 114	50 ± 73	99 ± 116	84 ± 127	83 ± 98
CD68 + CD11b	158 ± 187	157 ± 188	167 ± 179	173 ± 175	351 ± 418
CD68 + CD120a	3 ± 5	2 ± 5	3 ± 5	2 ± 5	4 ± 7
CD68 + CD120b	6 ± 6	7 ± 9	10 ± 14	4 ± 6	30 ± 53
CD68 + CD138	16 ± 32	13 ± 24	7 ± 15	6 ± 15	6 ± 15
CD68 + CD15	32 ± 40	26 ± 39	26 ± 38	23 ± 38	25 ± 36
CD68 + CD1a	1 ± 2	3 ± 7	1 ± 1	0 ± 0	1 ± 2
CD68 + CD2	273 ± 304	106 ± 122	151 ± 136	112 ± 118	223 ± 162
CD68 + CD207	3 ± 5	1 ± 2	1 ± 2	1 ± 2	1 ± 3
CD68 + CD24	3 ± 4	5 ± 7	13 ± 27	6 ± 7	5 ± 4
CD68 + CD28	221 ± 307	50 ± 82	95 ± 104	72 ± 92	153 ± 162
CD68 + CD29	2700 ± 2005	1772 ± 1163	2376 ± 1142	2066 ± 1397	2161 ± 1211
CD68 + CD3	216 ± 175	146 ± 131	242 ± 227	140 ± 146	210 ± 142
CD68 + CD31	2313 ± 1754	1647 ± 1045	2085 ± 1175	1862 ± 1325	2120 ± 1197
CD68 + CD4	816 ± 754	547 ± 716	663 ± 695	531 ± 723	831 ± 798
CD68 + CD44	335 ± 292	310 ± 249	370 ± 233	379 ± 278	360 ± 253
CD68 + CD45	97 ± 106	33 ± 46	60 ± 58	49 ± 61	70 ± 52
CD68 + CD45RA	50 ± 53	58 ± 52	45 ± 42	44 ± 46	39 ± 29
CD68 + CD45RO	42 ± 64	24 ± 37	36 ± 37	30 ± 41	50 ± 57
CD68 + CD52	265 ± 455	62 ± 118	108 ± 155	191 ± 405	188 ± 272
CD68 + CD54	2436 ± 1874	1502 ± 1026	2058 ± 972	1730 ± 1228	1890 ± 1041
CD68 + CD56	100 ± 185	42 ± 41	41 ± 38	39 ± 40	47 ± 38
CD68 + CD58	592 ± 601	581 ± 496	461 ± 376	440 ± 380	765 ± 696
CD68 + CD62E	636 ± 775	198 ± 223	620 ± 654	443 ± 733	524 ± 414
CD68 + CD62P	1158 ± 1014	687 ± 556	1030 ± 556	870 ± 847	997 ± 569
CD68 + CD7	87 ± 129	54 ± 88	81 ± 153	103 ± 194	82 ± 136
CD68 + CD8a	22 ± 39	21 ± 40	26 ± 38	24 ± 38	31 ± 38
CD68 + CK14	9 ± 19	6 ± 11	3 ± 8	3 ± 8	3 ± 8
CD68 + CLA	25 ± 20	18 ± 24	26 ± 21	25 ± 22	24 ± 22
CD68 + c-myc	790 ± 1336	336 ± 518	665 ± 794	354 ± 586	248 ± 534
CD68 + Collagen IV	1513 ± 1118	1217 ± 911	1594 ± 848	1518 ± 1177	1578 ± 1024
CD68 + FXIIIA	104 ± 110	95 ± 115	179 ± 185	98 ± 112	351 ± 537
CD68 + HLA-DR	1445 ± 917	1125 ± 735	1214 ± 709	1249 ± 827	1211 ± 806
CD68 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD68 + IL-23R	40 ± 57	111 ± 262	38 ± 48	24 ± 29	105 ± 178
CD68 + Ki67	2 ± 4	1 ± 4	8 ± 10	1 ± 4	2 ± 4
CD68 + PI	1727 ± 1235	1180 ± 730	1502 ± 706	1329 ± 875	1525 ± 815
CD68 + Podoplanin	239 ± 224	196 ± 245	264 ± 245	189 ± 250	205 ± 238
CD68 + SNA1	2226 ± 1733	1586 ± 943	2039 ± 1007	1740 ± 1146	1851 ± 1069
CD68 + STAT3	62 ± 93	55 ± 64	46 ± 58	35 ± 62	41 ± 60
CD68 + TIA1	45 ± 43	55 ± 51	45 ± 42	64 ± 83	42 ± 48
CD68 + Vimentin	1590 ± 961	1040 ± 745	1467 ± 740	1386 ± 913	1112 ± 765

Tabelle 352: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	149 ± 252	87 ± 189	60 ± 97	177 ± 273	139 ± 252
CD7 + BCL2	37 ± 35	15 ± 12	40 ± 44	25 ± 17	92 ± 166
CD7 + CCR6	25 ± 25	16 ± 28	19 ± 27	52 ± 73	33 ± 39
CD7 + CD11a	261 ± 203	125 ± 120	275 ± 318	330 ± 480	340 ± 342
CD7 + CD11b	66 ± 42	72 ± 67	62 ± 43	115 ± 68	192 ± 166
CD7 + CD120a	1 ± 2	1 ± 2	3 ± 6	1 ± 2	5 ± 12
CD7 + CD120b	26 ± 29	6 ± 10	34 ± 64	31 ± 52	119 ± 253
CD7 + CD138	3 ± 9	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD7 + CD15	16 ± 28	2 ± 3	1 ± 3	5 ± 9	7 ± 15
CD7 + CD1a	4 ± 8	1 ± 2	0 ± 1	4 ± 11	8 ± 14
CD7 + CD2	278 ± 274	100 ± 96	209 ± 238	231 ± 239	349 ± 425
CD7 + CD207	5 ± 6	2 ± 5	3 ± 5	22 ± 56	13 ± 20
CD7 + CD24	10 ± 18	3 ± 3	15 ± 24	35 ± 83	17 ± 24
CD7 + CD28	262 ± 287	61 ± 93	145 ± 140	215 ± 267	323 ± 419
CD7 + CD29	276 ± 286	159 ± 216	192 ± 229	384 ± 400	241 ± 247
CD7 + CD3	315 ± 244	150 ± 162	337 ± 402	443 ± 475	451 ± 454
CD7 + CD31	154 ± 156	119 ± 165	113 ± 124	291 ± 327	183 ± 196
CD7 + CD4	312 ± 267	121 ± 138	255 ± 288	294 ± 208	421 ± 450
CD7 + CD44	200 ± 94	124 ± 113	299 ± 350	422 ± 472	272 ± 154
CD7 + CD45	251 ± 231	88 ± 98	213 ± 248	283 ± 327	310 ± 394
CD7 + CD45RA	96 ± 62	86 ± 97	73 ± 57	99 ± 73	126 ± 98
CD7 + CD45RO	114 ± 110	39 ± 67	98 ± 96	152 ± 235	227 ± 410
CD7 + CD52	240 ± 279	62 ± 133	128 ± 149	320 ± 615	319 ± 448
CD7 + CD54	344 ± 280	198 ± 218	278 ± 358	528 ± 574	394 ± 364
CD7 + CD56	17 ± 25	6 ± 5	11 ± 13	8 ± 7	10 ± 15
CD7 + CD58	67 ± 68	71 ± 114	40 ± 46	105 ± 146	231 ± 344
CD7 + CD62E	42 ± 70	5 ± 6	19 ± 38	80 ± 207	42 ± 57
CD7 + CD62P	100 ± 140	51 ± 75	63 ± 87	157 ± 206	73 ± 103
CD7 + CD68	87 ± 129	54 ± 88	81 ± 153	103 ± 194	82 ± 136
CD7 + CD8a	75 ± 63	67 ± 74	102 ± 80	131 ± 114	195 ± 257
CD7 + CK14	1 ± 4	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD7 + CLA	41 ± 35	21 ± 18	44 ± 46	81 ± 117	59 ± 50
CD7 + c-myc	62 ± 157	8 ± 9	12 ± 13	15 ± 33	5 ± 8
CD7 + Collagen IV	142 ± 112	87 ± 84	180 ± 245	391 ± 475	230 ± 266
CD7 + FXIIIA	5 ± 6	4 ± 5	10 ± 13	10 ± 10	53 ± 73
CD7 + HLA-DR	309 ± 203	189 ± 162	285 ± 228	473 ± 460	337 ± 207
CD7 + IL-22R	1 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 3
CD7 + IL-23R	2 ± 3	4 ± 9	1 ± 1	1 ± 2	5 ± 7
CD7 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 10
CD7 + PI	291 ± 197	186 ± 187	305 ± 322	436 ± 378	383 ± 280
CD7 + Podoplanin	144 ± 205	80 ± 169	161 ± 239	208 ± 281	109 ± 164
CD7 + SNA1	212 ± 223	125 ± 142	218 ± 291	315 ± 291	203 ± 203
CD7 + STAT3	5 ± 15	2 ± 4	1 ± 2	3 ± 8	1 ± 1
CD7 + TIA1	73 ± 76	78 ± 100	67 ± 72	115 ± 113	94 ± 83
CD7 + Vimentin	211 ± 174	115 ± 127	201 ± 194	310 ± 276	160 ± 117

Tabelle 353: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	63 ± 65	32 ± 27	37 ± 43	41 ± 31	58 ± 79
CD8a + BCL2	18 ± 19	12 ± 17	19 ± 17	16 ± 15	78 ± 149
CD8a + CCR6	11 ± 9	8 ± 10	9 ± 9	20 ± 21	18 ± 17
CD8a + CD11a	144 ± 95	87 ± 64	137 ± 67	129 ± 66	206 ± 220
CD8a + CD11b	38 ± 34	39 ± 37	36 ± 35	51 ± 48	91 ± 75
CD8a + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 8
CD8a + CD120b	17 ± 24	5 ± 4	8 ± 8	9 ± 13	88 ± 179
CD8a + CD138	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD15	6 ± 15	0 ± 1	1 ± 1	3 ± 5	8 ± 23
CD8a + CD1a	2 ± 3	0 ± 1	0 ± 1	1 ± 2	5 ± 15
CD8a + CD2	149 ± 99	106 ± 106	134 ± 99	151 ± 136	298 ± 377
CD8a + CD207	4 ± 10	3 ± 10	3 ± 10	5 ± 10	15 ± 26
CD8a + CD24	11 ± 22	4 ± 5	5 ± 6	16 ± 31	14 ± 23
CD8a + CD28	86 ± 73	36 ± 49	60 ± 44	71 ± 58	183 ± 303
CD8a + CD29	116 ± 82	72 ± 80	98 ± 93	108 ± 73	112 ± 109
CD8a + CD3	167 ± 105	141 ± 103	180 ± 103	190 ± 138	330 ± 414
CD8a + CD31	37 ± 34	35 ± 30	45 ± 57	52 ± 37	75 ± 90
CD8a + CD4	92 ± 60	55 ± 57	74 ± 51	85 ± 48	212 ± 346
CD8a + CD44	130 ± 61	123 ± 69	169 ± 72	180 ± 109	201 ± 84
CD8a + CD45	120 ± 67	65 ± 54	112 ± 65	122 ± 72	211 ± 273
CD8a + CD45RA	41 ± 35	34 ± 32	38 ± 29	46 ± 35	72 ± 75
CD8a + CD45RO	51 ± 53	17 ± 30	43 ± 43	46 ± 51	169 ± 330
CD8a + CD52	105 ± 107	51 ± 83	85 ± 86	92 ± 99	221 ± 397
CD8a + CD54	126 ± 61	97 ± 74	112 ± 70	139 ± 60	197 ± 248
CD8a + CD56	7 ± 8	4 ± 7	5 ± 7	4 ± 6	6 ± 7
CD8a + CD58	29 ± 44	14 ± 15	14 ± 15	26 ± 27	112 ± 245
CD8a + CD62E	4 ± 6	0 ± 1	3 ± 6	1 ± 4	15 ± 30
CD8a + CD62P	11 ± 18	5 ± 5	6 ± 6	9 ± 15	14 ± 19
CD8a + CD68	22 ± 39	21 ± 40	26 ± 38	24 ± 38	31 ± 38
CD8a + CD7	75 ± 63	67 ± 74	102 ± 80	131 ± 114	195 ± 257
CD8a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CLA	48 ± 31	43 ± 38	47 ± 38	61 ± 46	71 ± 51
CD8a + c-myc	26 ± 39	15 ± 23	25 ± 31	12 ± 24	12 ± 24
CD8a + Collagen IV	115 ± 77	103 ± 74	133 ± 99	140 ± 64	144 ± 95
CD8a + FXIIIA	4 ± 7	4 ± 7	5 ± 7	4 ± 7	23 ± 29
CD8a + HLA-DR	171 ± 92	148 ± 101	174 ± 92	181 ± 93	217 ± 93
CD8a + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD8a + IL-23R	2 ± 6	0 ± 0	0 ± 0	0 ± 0	2 ± 4
CD8a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 9
CD8a + PI	162 ± 105	113 ± 93	167 ± 91	179 ± 107	249 ± 224
CD8a + Podoplanin	83 ± 120	71 ± 126	87 ± 122	97 ± 124	98 ± 126
CD8a + SNA1	120 ± 88	101 ± 72	127 ± 94	114 ± 63	112 ± 67
CD8a + STAT3	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + TIA1	25 ± 21	21 ± 20	27 ± 18	39 ± 43	62 ± 64
CD8a + Vimentin	98 ± 74	70 ± 72	107 ± 75	101 ± 59	104 ± 72

Tabelle 354: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	7 ± 20	3 ± 9	2 ± 5	1 ± 1	0 ± 0
CK14 + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CK14 + CCR6	7 ± 20	3 ± 8	1 ± 4	0 ± 0	0 ± 0
CK14 + CD11a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD11b	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD120b	0 ± 0	2 ± 6	0 ± 0	0 ± 0	0 ± 0
CK14 + CD138	7 ± 20	3 ± 9	2 ± 5	0 ± 0	0 ± 0
CK14 + CD15	3 ± 9	2 ± 7	1 ± 3	0 ± 0	0 ± 0
CK14 + CD1a	1 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CK14 + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD207	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD24	0 ± 1	1 ± 4	1 ± 2	0 ± 0	0 ± 0
CK14 + CD28	1 ± 2	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CK14 + CD29	11 ± 20	5 ± 10	5 ± 7	4 ± 7	3 ± 7
CK14 + CD3	3 ± 7	2 ± 6	1 ± 1	0 ± 1	0 ± 1
CK14 + CD31	2 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 4
CK14 + CD4	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD44	4 ± 6	4 ± 7	2 ± 3	1 ± 3	1 ± 3
CK14 + CD45	2 ± 6	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CK14 + CD45RA	6 ± 19	3 ± 7	1 ± 4	0 ± 0	0 ± 0
CK14 + CD45RO	7 ± 20	2 ± 7	2 ± 5	1 ± 2	0 ± 0
CK14 + CD52	4 ± 11	3 ± 7	1 ± 1	0 ± 0	0 ± 1
CK14 + CD54	2 ± 2	1 ± 1	1 ± 1	1 ± 2	2 ± 3
CK14 + CD56	7 ± 20	3 ± 8	2 ± 5	0 ± 0	0 ± 0
CK14 + CD58	5 ± 15	2 ± 7	1 ± 3	1 ± 2	0 ± 1
CK14 + CD62E	0 ± 0	1 ± 3	0 ± 0	1 ± 2	0 ± 0
CK14 + CD62P	1 ± 4	2 ± 6	0 ± 0	0 ± 1	0 ± 0
CK14 + CD68	9 ± 19	6 ± 11	3 ± 8	3 ± 8	3 ± 8
CK14 + CD7	1 ± 4	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CK14 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CLA	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + c-myc	8 ± 20	5 ± 14	2 ± 5	1 ± 2	0 ± 1
CK14 + Collagen IV	4 ± 6	4 ± 7	4 ± 6	5 ± 6	4 ± 6
CK14 + FXIIIA	7 ± 20	3 ± 7	2 ± 5	0 ± 0	0 ± 0
CK14 + HLA-DR	8 ± 14	5 ± 10	3 ± 7	3 ± 7	3 ± 7
CK14 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + IL-23R	1 ± 3	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CK14 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + PI	4 ± 8	1 ± 1	1 ± 2	2 ± 3	1 ± 2
CK14 + Podoplanin	7 ± 19	3 ± 9	2 ± 4	0 ± 1	0 ± 1
CK14 + SNA1	7 ± 10	7 ± 13	5 ± 8	5 ± 8	5 ± 9
CK14 + STAT3	7 ± 20	4 ± 13	2 ± 5	1 ± 2	0 ± 0
CK14 + TIA1	5 ± 16	2 ± 7	1 ± 4	0 ± 0	0 ± 0
CK14 + Vimentin	7 ± 14	4 ± 9	3 ± 4	2 ± 3	2 ± 3

Tabelle 355: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	38 ± 56	13 ± 21	31 ± 49	17 ± 24	18 ± 26
CLA + BCL2	14 ± 12	8 ± 9	17 ± 16	12 ± 9	24 ± 24
CLA + CCR6	14 ± 11	10 ± 11	12 ± 11	26 ± 33	13 ± 10
CLA + CD11a	99 ± 54	52 ± 50	80 ± 50	117 ± 139	86 ± 51
CLA + CD11b	51 ± 47	29 ± 31	54 ± 58	311 ± 817	59 ± 53
CLA + CD120a	0 ± 1	0 ± 0	2 ± 6	1 ± 1	0 ± 1
CLA + CD120b	7 ± 9	2 ± 2	11 ± 26	8 ± 13	26 ± 46
CLA + CD138	2 ± 5	0 ± 0	2 ± 3	0 ± 0	0 ± 0
CLA + CD15	22 ± 51	5 ± 8	23 ± 48	288 ± 859	6 ± 13
CLA + CD1a	4 ± 7	2 ± 7	2 ± 7	7 ± 14	4 ± 8
CLA + CD2	109 ± 82	69 ± 73	84 ± 69	98 ± 80	117 ± 80
CLA + CD207	13 ± 22	7 ± 21	8 ± 20	29 ± 62	11 ± 20
CLA + CD24	12 ± 19	5 ± 7	23 ± 43	305 ± 891	9 ± 20
CLA + CD28	69 ± 66	24 ± 36	38 ± 35	54 ± 66	60 ± 62
CLA + CD29	99 ± 68	46 ± 58	81 ± 72	86 ± 69	59 ± 55
CLA + CD3	112 ± 60	71 ± 61	92 ± 65	148 ± 152	121 ± 88
CLA + CD31	28 ± 29	19 ± 18	40 ± 54	42 ± 62	38 ± 32
CLA + CD4	110 ± 82	60 ± 82	85 ± 76	111 ± 104	106 ± 78
CLA + CD44	102 ± 58	78 ± 68	127 ± 89	178 ± 170	130 ± 89
CLA + CD45	87 ± 68	38 ± 36	67 ± 49	104 ± 123	83 ± 64
CLA + CD45RA	42 ± 27	24 ± 25	33 ± 26	33 ± 28	50 ± 46
CLA + CD45RO	40 ± 38	16 ± 30	41 ± 40	145 ± 257	59 ± 66
CLA + CD52	84 ± 79	30 ± 47	41 ± 46	100 ± 180	71 ± 66
CLA + CD54	152 ± 103	59 ± 68	111 ± 85	171 ± 202	95 ± 70
CLA + CD56	9 ± 13	5 ± 10	6 ± 9	5 ± 10	6 ± 10
CLA + CD58	12 ± 14	11 ± 14	12 ± 14	26 ± 41	38 ± 56
CLA + CD62E	19 ± 37	1 ± 2	23 ± 51	320 ± 959	7 ± 14
CLA + CD62P	19 ± 37	1 ± 1	13 ± 28	19 ± 55	5 ± 7
CLA + CD68	25 ± 20	18 ± 24	26 ± 21	25 ± 22	24 ± 22
CLA + CD7	41 ± 35	21 ± 18	44 ± 46	81 ± 117	59 ± 50
CLA + CD8a	48 ± 31	43 ± 38	47 ± 38	61 ± 46	71 ± 51
CLA + CK14	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + c-myc	25 ± 52	5 ± 10	23 ± 43	3 ± 6	3 ± 6
CLA + Collagen IV	61 ± 39	44 ± 36	87 ± 91	230 ± 409	72 ± 66
CLA + FXIIIA	4 ± 5	2 ± 3	13 ± 26	4 ± 5	22 ± 37
CLA + HLA-DR	155 ± 78	101 ± 91	161 ± 102	186 ± 165	146 ± 100
CLA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CLA + IL-23R	4 ± 8	1 ± 1	2 ± 3	22 ± 63	3 ± 5
CLA + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + PI	117 ± 66	65 ± 61	127 ± 93	344 ± 641	113 ± 67
CLA + Podoplanin	83 ± 103	47 ± 74	82 ± 78	120 ± 150	78 ± 82
CLA + SNA1	88 ± 70	60 ± 51	99 ± 94	245 ± 498	77 ± 67
CLA + STAT3	4 ± 8	1 ± 3	2 ± 3	8 ± 22	1 ± 3
CLA + TIA1	23 ± 35	9 ± 10	22 ± 31	309 ± 876	19 ± 21
CLA + Vimentin	72 ± 38	48 ± 46	93 ± 75	180 ± 231	77 ± 62

Tabelle 356: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	2471 ± 4023	709 ± 1427	2252 ± 2980	789 ± 1501	611 ± 1458
c-myc + BCL2	64 ± 88	18 ± 33	480 ± 1050	14 ± 32	14 ± 32
c-myc + CCR6	44 ± 68	39 ± 84	17 ± 24	10 ± 24	12 ± 24
c-myc + CD11a	83 ± 149	5 ± 8	15 ± 20	8 ± 14	4 ± 8
c-myc + CD11b	133 ± 157	60 ± 99	156 ± 207	56 ± 101	58 ± 100
c-myc + CD120a	1 ± 2	0 ± 1	3 ± 6	1 ± 1	0 ± 1
c-myc + CD120b	16 ± 25	7 ± 12	4 ± 7	2 ± 6	2 ± 6
c-myc + CD138	21 ± 40	32 ± 72	12 ± 18	8 ± 15	8 ± 15
c-myc + CD15	39 ± 84	36 ± 58	21 ± 27	6 ± 17	7 ± 17
c-myc + CD1a	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
c-myc + CD2	127 ± 247	27 ± 70	8 ± 9	3 ± 6	3 ± 6
c-myc + CD207	8 ± 14	1 ± 3	1 ± 3	1 ± 3	1 ± 3
c-myc + CD24	19 ± 32	8 ± 12	61 ± 109	2 ± 4	2 ± 4
c-myc + CD28	113 ± 208	6 ± 13	26 ± 60	8 ± 15	4 ± 13
c-myc + CD29	2942 ± 4395	885 ± 1413	2655 ± 3297	894 ± 1489	684 ± 1427
c-myc + CD3	200 ± 352	63 ± 95	76 ± 122	23 ± 43	17 ± 41
c-myc + CD31	2104 ± 3327	674 ± 1239	1801 ± 2617	678 ± 1328	468 ± 1224
c-myc + CD4	411 ± 996	56 ± 124	128 ± 208	57 ± 126	49 ± 127
c-myc + CD44	511 ± 902	212 ± 341	325 ± 407	169 ± 306	136 ± 291
c-myc + CD45	77 ± 154	2 ± 3	10 ± 16	2 ± 3	2 ± 3
c-myc + CD45RA	49 ± 71	50 ± 88	27 ± 28	17 ± 26	18 ± 26
c-myc + CD45RO	30 ± 65	21 ± 49	17 ± 20	5 ± 9	6 ± 9
c-myc + CD52	197 ± 348	42 ± 83	78 ± 153	65 ± 136	23 ± 67
c-myc + CD54	2977 ± 4564	745 ± 1358	2264 ± 2841	807 ± 1440	617 ± 1390
c-myc + CD56	100 ± 230	48 ± 86	28 ± 30	19 ± 29	21 ± 29
c-myc + CD58	231 ± 388	173 ± 381	241 ± 398	172 ± 385	150 ± 389
c-myc + CD62E	533 ± 1069	85 ± 223	824 ± 1640	198 ± 395	94 ± 223
c-myc + CD62P	1198 ± 2127	368 ± 722	1099 ± 1499	429 ± 814	289 ± 715
c-myc + CD68	790 ± 1336	336 ± 518	665 ± 794	354 ± 586	248 ± 534
c-myc + CD7	62 ± 157	8 ± 9	12 ± 13	15 ± 33	5 ± 8
c-myc + CD8a	26 ± 39	15 ± 23	25 ± 31	12 ± 24	12 ± 24
c-myc + CK14	8 ± 20	5 ± 14	2 ± 5	1 ± 2	0 ± 1
c-myc + CLA	25 ± 52	5 ± 10	23 ± 43	3 ± 6	3 ± 6
c-myc + Collagen IV	1977 ± 2757	912 ± 1631	2595 ± 3287	951 ± 1713	737 ± 1670
c-myc + FXIIIA	64 ± 77	62 ± 97	224 ± 494	30 ± 54	32 ± 53
c-myc + HLA-DR	1424 ± 1995	587 ± 730	1177 ± 1183	488 ± 746	389 ± 732
c-myc + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
c-myc + IL-23R	29 ± 45	16 ± 23	19 ± 24	7 ± 12	8 ± 12
c-myc + Ki67	2 ± 4	0 ± 0	1 ± 3	0 ± 0	0 ± 0
c-myc + PI	1417 ± 2020	460 ± 700	1059 ± 1364	422 ± 726	345 ± 723
c-myc + Podoplanin	207 ± 290	110 ± 158	144 ± 189	79 ± 142	78 ± 142
c-myc + SNA1	3094 ± 4997	912 ± 1209	2821 ± 3797	786 ± 1223	578 ± 1130
c-myc + STAT3	45 ± 78	58 ± 113	32 ± 39	17 ± 26	17 ± 26
c-myc + TIA1	49 ± 68	39 ± 56	73 ± 88	25 ± 34	26 ± 36
c-myc + Vimentin	1763 ± 2517	574 ± 1067	1473 ± 1790	641 ± 1117	498 ± 1088

Tabelle 357: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	4599 ± 2764	3317 ± 2760	5486 ± 3415	4479 ± 2955	4065 ± 2876
Collagen IV + BCL2	103 ± 110	32 ± 38	492 ± 906	33 ± 34	87 ± 139
Collagen IV + CCR6	22 ± 17	17 ± 18	17 ± 15	47 ± 67	17 ± 16
Collagen IV + CD11a	223 ± 227	114 ± 110	246 ± 254	311 ± 437	214 ± 198
Collagen IV + CD11b	322 ± 329	199 ± 186	299 ± 235	571 ± 809	576 ± 682
Collagen IV + CD120a	9 ± 11	6 ± 9	9 ± 9	14 ± 19	9 ± 11
Collagen IV + CD120b	62 ± 55	36 ± 27	55 ± 49	49 ± 64	109 ± 166
Collagen IV + CD138	2 ± 5	6 ± 17	3 ± 4	1 ± 1	1 ± 1
Collagen IV + CD15	63 ± 72	34 ± 41	49 ± 52	214 ± 556	51 ± 59
Collagen IV + CD1a	2 ± 5	32 ± 90	2 ± 5	2 ± 5	6 ± 9
Collagen IV + CD2	406 ± 301	190 ± 202	289 ± 248	280 ± 204	567 ± 552
Collagen IV + CD207	17 ± 44	32 ± 63	17 ± 44	27 ± 47	17 ± 44
Collagen IV + CD24	72 ± 71	36 ± 19	139 ± 191	289 ± 618	143 ± 192
Collagen IV + CD28	379 ± 374	119 ± 163	200 ± 225	242 ± 246	440 ± 496
Collagen IV + CD29	6289 ± 3014	4031 ± 3333	6691 ± 3561	6430 ± 3258	5166 ± 3022
Collagen IV + CD3	573 ± 429	580 ± 510	666 ± 577	723 ± 502	846 ± 652
Collagen IV + CD31	4016 ± 2357	2945 ± 2336	4308 ± 3163	4680 ± 2584	4288 ± 2208
Collagen IV + CD4	1668 ± 1431	1029 ± 1435	1287 ± 1348	1205 ± 1333	1767 ± 1401
Collagen IV + CD44	1193 ± 863	1340 ± 997	1604 ± 944	1998 ± 1255	1581 ± 1144
Collagen IV + CD45	186 ± 140	72 ± 65	138 ± 117	224 ± 235	223 ± 305
Collagen IV + CD45RA	108 ± 74	95 ± 60	97 ± 70	103 ± 58	111 ± 75
Collagen IV + CD45RO	81 ± 124	30 ± 47	86 ± 85	133 ± 160	147 ± 207
Collagen IV + CD52	536 ± 619	217 ± 338	291 ± 402	620 ± 1181	551 ± 743
Collagen IV + CD54	5785 ± 3003	3722 ± 3114	5650 ± 3152	5470 ± 3005	4828 ± 2854
Collagen IV + CD56	185 ± 207	112 ± 140	114 ± 138	123 ± 136	162 ± 193
Collagen IV + CD58	1044 ± 950	873 ± 927	744 ± 771	1239 ± 1245	1512 ± 1500
Collagen IV + CD62E	595 ± 629	180 ± 228	809 ± 1135	760 ± 1173	490 ± 387
Collagen IV + CD62P	1390 ± 876	906 ± 932	1724 ± 994	1603 ± 1249	1409 ± 878
Collagen IV + CD68	1513 ± 1118	1217 ± 911	1594 ± 848	1518 ± 1177	1578 ± 1024
Collagen IV + CD7	142 ± 112	87 ± 84	180 ± 245	391 ± 475	230 ± 266
Collagen IV + CD8a	115 ± 77	103 ± 74	133 ± 99	140 ± 64	144 ± 95
Collagen IV + CK14	4 ± 6	4 ± 7	4 ± 6	5 ± 6	4 ± 6
Collagen IV + CLA	61 ± 39	44 ± 36	87 ± 91	230 ± 409	72 ± 66
Collagen IV + c-myc	1977 ± 2757	912 ± 1631	2595 ± 3287	951 ± 1713	737 ± 1670
Collagen IV + FXIIIA	175 ± 175	159 ± 181	361 ± 424	196 ± 172	590 ± 825
Collagen IV + HLA-DR	3605 ± 1784	3031 ± 1961	3659 ± 1981	3969 ± 2065	3477 ± 2024
Collagen IV + IL-22R	2 ± 2	1 ± 2	1 ± 2	5 ± 10	5 ± 9
Collagen IV + IL-23R	85 ± 171	104 ± 266	32 ± 47	34 ± 51	80 ± 147
Collagen IV + Ki67	3 ± 5	1 ± 4	8 ± 12	1 ± 4	1 ± 4
Collagen IV + PI	3331 ± 1728	2335 ± 1710	3598 ± 1923	3698 ± 1776	3523 ± 1667
Collagen IV + Podoplanin	1296 ± 904	1305 ± 843	1670 ± 722	1571 ± 823	1845 ± 1114
Collagen IV + SNA1	7199 ± 3829	5343 ± 3330	8274 ± 4378	7480 ± 3129	6695 ± 3511
Collagen IV + STAT3	45 ± 61	48 ± 63	39 ± 58	45 ± 72	32 ± 57
Collagen IV + TIA1	105 ± 157	65 ± 59	141 ± 134	295 ± 545	105 ± 168
Collagen IV + Vimentin	3155 ± 2050	2039 ± 1465	3401 ± 1940	4140 ± 2384	2800 ± 1734

Tabelle 358: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	147 ± 136	98 ± 98	284 ± 456	101 ± 95	378 ± 655
FXIIIA + BCL2	10 ± 14	9 ± 14	132 ± 295	9 ± 14	34 ± 32
FXIIIA + CCR6	29 ± 46	40 ± 75	20 ± 31	18 ± 30	24 ± 28
FXIIIA + CD11a	7 ± 9	6 ± 9	12 ± 10	10 ± 11	53 ± 59
FXIIIA + CD11b	83 ± 90	72 ± 96	116 ± 123	91 ± 86	301 ± 400
FXIIIA + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
FXIIIA + CD120b	1 ± 2	5 ± 10	3 ± 4	1 ± 2	17 ± 30
FXIIIA + CD138	20 ± 37	29 ± 63	18 ± 19	9 ± 16	8 ± 16
FXIIIA + CD15	12 ± 18	22 ± 46	29 ± 51	9 ± 17	13 ± 18
FXIIIA + CD1a	1 ± 2	2 ± 5	0 ± 0	0 ± 0	1 ± 2
FXIIIA + CD2	15 ± 24	15 ± 24	24 ± 24	17 ± 23	105 ± 113
FXIIIA + CD207	2 ± 6	0 ± 0	0 ± 1	0 ± 1	0 ± 0
FXIIIA + CD24	4 ± 6	4 ± 11	24 ± 49	4 ± 5	7 ± 12
FXIIIA + CD28	6 ± 6	5 ± 6	10 ± 12	6 ± 7	57 ± 63
FXIIIA + CD29	234 ± 184	175 ± 184	432 ± 592	194 ± 172	539 ± 735
FXIIIA + CD3	21 ± 27	26 ± 33	33 ± 27	28 ± 28	113 ± 103
FXIIIA + CD31	119 ± 108	103 ± 116	310 ± 473	130 ± 103	466 ± 703
FXIIIA + CD4	85 ± 110	76 ± 114	100 ± 104	89 ± 107	314 ± 472
FXIIIA + CD44	84 ± 96	102 ± 105	108 ± 83	106 ± 93	246 ± 232
FXIIIA + CD45	10 ± 9	7 ± 8	14 ± 12	13 ± 14	58 ± 90
FXIIIA + CD45RA	30 ± 43	45 ± 77	25 ± 33	19 ± 34	36 ± 33
FXIIIA + CD45RO	22 ± 37	25 ± 47	30 ± 25	11 ± 8	50 ± 55
FXIIIA + CD52	15 ± 17	23 ± 40	20 ± 23	17 ± 13	57 ± 52
FXIIIA + CD54	170 ± 147	143 ± 161	355 ± 481	177 ± 148	501 ± 657
FXIIIA + CD56	48 ± 56	45 ± 77	28 ± 37	22 ± 37	31 ± 37
FXIIIA + CD58	36 ± 35	41 ± 46	47 ± 37	37 ± 35	180 ± 329
FXIIIA + CD62E	4 ± 8	4 ± 8	168 ± 439	6 ± 10	63 ± 131
FXIIIA + CD62P	34 ± 43	31 ± 45	190 ± 412	31 ± 44	153 ± 253
FXIIIA + CD68	104 ± 110	95 ± 115	179 ± 185	98 ± 112	351 ± 537
FXIIIA + CD7	5 ± 6	4 ± 5	10 ± 13	10 ± 10	53 ± 73
FXIIIA + CD8a	4 ± 7	4 ± 7	5 ± 7	4 ± 7	23 ± 29
FXIIIA + CK14	7 ± 20	3 ± 7	2 ± 5	0 ± 0	0 ± 0
FXIIIA + CLA	4 ± 5	2 ± 3	13 ± 26	4 ± 5	22 ± 37
FXIIIA + c-myc	64 ± 77	62 ± 97	224 ± 494	30 ± 54	32 ± 53
FXIIIA + Collagen IV	175 ± 175	159 ± 181	361 ± 424	196 ± 172	590 ± 825
FXIIIA + HLA-DR	199 ± 199	211 ± 214	303 ± 294	208 ± 204	449 ± 491
FXIIIA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
FXIIIA + IL-23R	10 ± 14	8 ± 13	17 ± 22	7 ± 13	15 ± 17
FXIIIA + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 1
FXIIIA + PI	116 ± 88	97 ± 101	269 ± 391	115 ± 89	426 ± 602
FXIIIA + Podoplanin	68 ± 74	85 ± 96	70 ± 67	63 ± 71	114 ± 78
FXIIIA + SNA1	227 ± 189	220 ± 200	459 ± 584	234 ± 189	625 ± 808
FXIIIA + STAT3	29 ± 47	40 ± 81	27 ± 30	14 ± 25	15 ± 25
FXIIIA + TIA1	26 ± 35	31 ± 57	36 ± 46	14 ± 30	25 ± 34
FXIIIA + Vimentin	132 ± 84	129 ± 117	277 ± 431	138 ± 82	276 ± 230

Tabelle 359: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	3226 ± 1763	2499 ± 1751	2847 ± 1761	2701 ± 1931	2503 ± 2020
HLA-DR + BCL2	118 ± 170	47 ± 42	254 ± 416	51 ± 42	98 ± 102
HLA-DR + CCR6	122 ± 101	88 ± 85	76 ± 55	116 ± 105	78 ± 57
HLA-DR + CD11a	559 ± 406	272 ± 236	467 ± 302	508 ± 533	444 ± 218
HLA-DR + CD11b	564 ± 385	445 ± 393	533 ± 390	558 ± 340	807 ± 558
HLA-DR + CD120a	12 ± 14	6 ± 7	11 ± 11	7 ± 8	11 ± 17
HLA-DR + CD120b	228 ± 313	88 ± 64	109 ± 77	81 ± 74	175 ± 172
HLA-DR + CD138	19 ± 31	32 ± 66	16 ± 18	11 ± 18	10 ± 19
HLA-DR + CD15	161 ± 220	113 ± 159	100 ± 96	87 ± 81	82 ± 72
HLA-DR + CD1a	7 ± 12	39 ± 100	6 ± 11	8 ± 15	12 ± 16
HLA-DR + CD2	582 ± 407	302 ± 276	378 ± 253	392 ± 262	571 ± 335
HLA-DR + CD207	30 ± 53	39 ± 76	24 ± 53	51 ± 94	33 ± 53
HLA-DR + CD24	246 ± 356	100 ± 99	203 ± 218	138 ± 125	140 ± 131
HLA-DR + CD28	536 ± 481	200 ± 277	288 ± 290	322 ± 309	494 ± 403
HLA-DR + CD29	5511 ± 2291	3655 ± 2851	4519 ± 2604	4552 ± 2658	3927 ± 2843
HLA-DR + CD3	872 ± 501	753 ± 520	754 ± 531	883 ± 587	1018 ± 634
HLA-DR + CD31	3929 ± 2355	2973 ± 2572	3403 ± 2735	3565 ± 2454	3453 ± 2497
HLA-DR + CD4	1827 ± 1417	1289 ± 1601	1394 ± 1542	1459 ± 1482	1875 ± 1439
HLA-DR + CD44	2309 ± 1252	2118 ± 1253	2287 ± 1081	2631 ± 1318	2317 ± 1116
HLA-DR + CD45	485 ± 309	196 ± 167	324 ± 199	399 ± 313	376 ± 263
HLA-DR + CD45RA	275 ± 84	219 ± 117	229 ± 96	220 ± 93	222 ± 86
HLA-DR + CD45RO	191 ± 196	88 ± 111	158 ± 125	190 ± 231	249 ± 275
HLA-DR + CD52	709 ± 759	297 ± 446	341 ± 467	617 ± 1030	631 ± 736
HLA-DR + CD54	6148 ± 2794	4039 ± 3197	4872 ± 2869	4897 ± 2972	4561 ± 3140
HLA-DR + CD56	106 ± 71	106 ± 78	90 ± 56	89 ± 59	111 ± 54
HLA-DR + CD58	891 ± 861	869 ± 880	637 ± 862	891 ± 827	1226 ± 1046
HLA-DR + CD62E	804 ± 646	297 ± 311	830 ± 923	594 ± 728	533 ± 290
HLA-DR + CD62P	2164 ± 1480	1495 ± 1478	2137 ± 1224	1985 ± 1338	1740 ± 1355
HLA-DR + CD68	1445 ± 917	1125 ± 735	1214 ± 709	1249 ± 827	1211 ± 806
HLA-DR + CD7	309 ± 203	189 ± 162	285 ± 228	473 ± 460	337 ± 207
HLA-DR + CD8a	171 ± 92	148 ± 101	174 ± 92	181 ± 93	217 ± 93
HLA-DR + CK14	8 ± 14	5 ± 10	3 ± 7	3 ± 7	3 ± 7
HLA-DR + CLA	155 ± 78	101 ± 91	161 ± 102	186 ± 165	146 ± 100
HLA-DR + c-myc	1424 ± 1995	587 ± 730	1177 ± 1183	488 ± 746	389 ± 732
HLA-DR + Collagen IV	3605 ± 1784	3031 ± 1961	3659 ± 1981	3969 ± 2065	3477 ± 2024
HLA-DR + FXIIIA	199 ± 199	211 ± 214	303 ± 294	208 ± 204	449 ± 491
HLA-DR + IL-22R	5 ± 9	5 ± 9	6 ± 8	7 ± 10	15 ± 25
HLA-DR + IL-23R	55 ± 91	60 ± 129	33 ± 36	22 ± 23	38 ± 39
HLA-DR + Ki67	2 ± 4	1 ± 4	3 ± 6	2 ± 4	2 ± 4
HLA-DR + PI	3717 ± 1257	2541 ± 1682	3130 ± 1477	3100 ± 1586	3122 ± 1614
HLA-DR + Podoplanin	1236 ± 797	949 ± 943	1079 ± 913	1133 ± 883	1318 ± 969
HLA-DR + SNA1	5257 ± 2654	4168 ± 2569	4820 ± 2528	4581 ± 2544	4252 ± 2732
HLA-DR + STAT3	74 ± 89	77 ± 97	62 ± 72	54 ± 72	47 ± 69
HLA-DR + TIA1	168 ± 122	126 ± 88	194 ± 125	165 ± 93	135 ± 106
HLA-DR + Vimentin	3913 ± 1338	2652 ± 1571	3464 ± 1325	3675 ± 1393	2924 ± 1295

Tabelle 360: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	2 ± 4	2 ± 4	2 ± 4	2 ± 4	3 ± 4
IL-22R + BCL2	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 2
IL-22R + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD11a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	2 ± 4
IL-22R + CD11b	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 2
IL-22R + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-22R + CD120b	0 ± 1	0 ± 0	0 ± 0	0 ± 0	3 ± 6
IL-22R + CD138	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + CD15	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
IL-22R + CD1a	0 ± 0	0 ± 0	1 ± 1	0 ± 0	0 ± 0
IL-22R + CD2	0 ± 1	0 ± 1	0 ± 1	1 ± 1	4 ± 6
IL-22R + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-22R + CD24	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
IL-22R + CD28	1 ± 3	1 ± 3	1 ± 3	1 ± 3	5 ± 9
IL-22R + CD29	6 ± 11	5 ± 11	6 ± 11	6 ± 11	9 ± 12
IL-22R + CD3	1 ± 3	1 ± 3	1 ± 3	3 ± 5	15 ± 32
IL-22R + CD31	6 ± 12	6 ± 12	6 ± 12	10 ± 16	17 ± 25
IL-22R + CD4	3 ± 5	3 ± 5	4 ± 5	4 ± 5	9 ± 11
IL-22R + CD44	2 ± 2	1 ± 2	2 ± 2	3 ± 4	7 ± 15
IL-22R + CD45	0 ± 1	0 ± 1	1 ± 2	1 ± 2	3 ± 4
IL-22R + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-22R + CD45RO	0 ± 1	0 ± 1	0 ± 1	0 ± 1	3 ± 6
IL-22R + CD52	1 ± 3	1 ± 3	1 ± 3	2 ± 3	9 ± 18
IL-22R + CD54	6 ± 12	6 ± 12	7 ± 12	10 ± 15	11 ± 14
IL-22R + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD58	2 ± 4	2 ± 4	2 ± 4	5 ± 11	11 ± 18
IL-22R + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 4
IL-22R + CD62P	3 ± 7	3 ± 7	3 ± 7	4 ± 7	5 ± 7
IL-22R + CD68	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + CD7	1 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 3
IL-22R + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	2 ± 4
IL-22R + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-22R + c-myc	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + Collagen IV	2 ± 2	1 ± 2	1 ± 2	5 ± 10	5 ± 9
IL-22R + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-22R + HLA-DR	5 ± 9	5 ± 9	6 ± 8	7 ± 10	15 ± 25
IL-22R + IL-23R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + PI	6 ± 9	6 ± 10	6 ± 9	8 ± 11	22 ± 39
IL-22R + Podoplanin	2 ± 5	2 ± 5	2 ± 5	6 ± 12	17 ± 46
IL-22R + SNA1	4 ± 8	4 ± 8	4 ± 8	7 ± 12	7 ± 8
IL-22R + STAT3	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + Vimentin	5 ± 7	5 ± 7	5 ± 7	9 ± 14	20 ± 44

Tabelle 361: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	68 ± 141	94 ± 268	25 ± 50	5 ± 5	119 ± 267
IL-23R + BCL2	17 ± 30	10 ± 24	20 ± 48	2 ± 3	18 ± 40
IL-23R + CCR6	2 ± 4	2 ± 4	1 ± 1	0 ± 1	2 ± 2
IL-23R + CD11a	9 ± 23	3 ± 6	1 ± 1	1 ± 1	5 ± 7
IL-23R + CD11b	38 ± 90	8 ± 9	16 ± 25	40 ± 100	18 ± 25
IL-23R + CD120a	1 ± 4	0 ± 1	2 ± 4	1 ± 3	1 ± 2
IL-23R + CD120b	3 ± 8	2 ± 3	0 ± 0	0 ± 0	9 ± 20
IL-23R + CD138	2 ± 4	2 ± 4	7 ± 12	1 ± 2	1 ± 2
IL-23R + CD15	6 ± 11	2 ± 3	2 ± 3	29 ± 87	1 ± 1
IL-23R + CD1a	0 ± 0	3 ± 8	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD2	9 ± 25	2 ± 5	1 ± 1	1 ± 1	30 ± 62
IL-23R + CD207	0 ± 1	2 ± 5	0 ± 0	0 ± 0	3 ± 8
IL-23R + CD24	8 ± 23	0 ± 1	6 ± 13	31 ± 93	10 ± 29
IL-23R + CD28	11 ± 33	2 ± 5	3 ± 8	0 ± 0	23 ± 58
IL-23R + CD29	119 ± 213	116 ± 269	58 ± 74	42 ± 44	137 ± 258
IL-23R + CD3	11 ± 30	10 ± 27	4 ± 11	1 ± 2	12 ± 20
IL-23R + CD31	99 ± 178	123 ± 303	53 ± 70	41 ± 51	149 ± 271
IL-23R + CD4	41 ± 89	17 ± 31	9 ± 12	8 ± 11	35 ± 65
IL-23R + CD44	7 ± 7	12 ± 22	5 ± 6	6 ± 5	11 ± 15
IL-23R + CD45	8 ± 22	1 ± 3	0 ± 1	1 ± 1	11 ± 18
IL-23R + CD45RA	2 ± 3	8 ± 17	1 ± 1	1 ± 1	3 ± 3
IL-23R + CD45RO	17 ± 44	2 ± 4	6 ± 11	17 ± 48	12 ± 18
IL-23R + CD52	17 ± 47	3 ± 5	6 ± 17	0 ± 1	28 ± 76
IL-23R + CD54	95 ± 169	94 ± 216	48 ± 60	41 ± 54	85 ± 138
IL-23R + CD56	7 ± 12	2 ± 4	1 ± 1	1 ± 1	1 ± 2
IL-23R + CD58	34 ± 56	89 ± 234	15 ± 27	14 ± 23	39 ± 78
IL-23R + CD62E	48 ± 117	7 ± 11	30 ± 54	29 ± 77	81 ± 190
IL-23R + CD62P	53 ± 113	10 ± 12	31 ± 47	18 ± 33	91 ± 208
IL-23R + CD68	40 ± 57	111 ± 262	38 ± 48	24 ± 29	105 ± 178
IL-23R + CD7	2 ± 3	4 ± 9	1 ± 1	1 ± 2	5 ± 7
IL-23R + CD8a	2 ± 6	0 ± 0	0 ± 0	0 ± 0	2 ± 4
IL-23R + CK14	1 ± 3	1 ± 2	0 ± 0	0 ± 0	0 ± 0
IL-23R + CLA	4 ± 8	1 ± 1	2 ± 3	22 ± 63	3 ± 5
IL-23R + c-myc	29 ± 45	16 ± 23	19 ± 24	7 ± 12	8 ± 12
IL-23R + Collagen IV	85 ± 171	104 ± 266	32 ± 47	34 ± 51	80 ± 147
IL-23R + FXIIIA	10 ± 14	8 ± 13	17 ± 22	7 ± 13	15 ± 17
IL-23R + HLA-DR	55 ± 91	60 ± 129	33 ± 36	22 ± 23	38 ± 39
IL-23R + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-23R + Ki67	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
IL-23R + PI	100 ± 194	82 ± 199	43 ± 60	44 ± 75	85 ± 135
IL-23R + Podoplanin	4 ± 4	4 ± 5	3 ± 4	3 ± 5	6 ± 7
IL-23R + SNA1	100 ± 182	120 ± 298	54 ± 77	53 ± 88	92 ± 181
IL-23R + STAT3	16 ± 24	20 ± 38	8 ± 17	13 ± 26	11 ± 21
IL-23R + TIA1	19 ± 53	7 ± 17	4 ± 10	28 ± 85	3 ± 5
IL-23R + Vimentin	62 ± 92	36 ± 51	34 ± 32	41 ± 56	45 ± 71

Tabelle 362: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	1 ± 2	0 ± 0	6 ± 12	0 ± 0	0 ± 0
Ki67 + BCL2	1 ± 4	0 ± 0	4 ± 10	0 ± 1	5 ± 15
Ki67 + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD11a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	5 ± 14
Ki67 + CD11b	0 ± 1	0 ± 1	0 ± 1	1 ± 3	1 ± 3
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5 ± 15
Ki67 + CD138	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 8
Ki67 + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 1	5 ± 15
Ki67 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4 ± 12
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5 ± 15
Ki67 + CD29	3 ± 5	1 ± 2	9 ± 14	1 ± 2	1 ± 2
Ki67 + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5 ± 15
Ki67 + CD31	1 ± 2	1 ± 2	8 ± 16	1 ± 2	5 ± 14
Ki67 + CD4	2 ± 3	1 ± 3	1 ± 3	1 ± 3	6 ± 15
Ki67 + CD44	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 1
Ki67 + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 1	5 ± 15
Ki67 + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD45RO	0 ± 0	0 ± 0	0 ± 0	1 ± 2	5 ± 15
Ki67 + CD52	0 ± 0	0 ± 0	0 ± 0	1 ± 3	5 ± 15
Ki67 + CD54	3 ± 5	2 ± 5	6 ± 10	2 ± 5	4 ± 7
Ki67 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD58	0 ± 0	0 ± 0	2 ± 4	0 ± 0	5 ± 15
Ki67 + CD62E	0 ± 0	0 ± 0	1 ± 4	1 ± 3	0 ± 0
Ki67 + CD62P	1 ± 2	0 ± 0	2 ± 5	1 ± 3	0 ± 0
Ki67 + CD68	2 ± 4	1 ± 4	8 ± 10	1 ± 4	2 ± 4
Ki67 + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 10
Ki67 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3 ± 9
Ki67 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + c-myc	2 ± 4	0 ± 0	1 ± 3	0 ± 0	0 ± 0
Ki67 + Collagen IV	3 ± 5	1 ± 4	8 ± 12	1 ± 4	1 ± 4
Ki67 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 1
Ki67 + HLA-DR	2 ± 4	1 ± 4	3 ± 6	2 ± 4	2 ± 4
Ki67 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + IL-23R	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
Ki67 + PI	4 ± 6	2 ± 5	11 ± 15	3 ± 6	5 ± 10
Ki67 + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
Ki67 + SNA1	2 ± 4	1 ± 2	8 ± 14	2 ± 3	1 ± 2
Ki67 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + Vimentin	3 ± 6	1 ± 4	5 ± 8	2 ± 4	2 ± 4

Tabelle 363: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	3378 ± 1877	2189 ± 1615	3078 ± 1861	2394 ± 1618	2866 ± 1880
PI + BCL2	221 ± 309	61 ± 56	582 ± 998	64 ± 55	200 ± 318
PI + CCR6	75 ± 72	38 ± 47	45 ± 42	73 ± 75	54 ± 54
PI + CD11a	525 ± 406	233 ± 252	454 ± 372	440 ± 428	456 ± 297
PI + CD11b	388 ± 251	262 ± 239	391 ± 311	623 ± 749	656 ± 577
PI + CD120a	5 ± 4	3 ± 4	5 ± 5	4 ± 4	6 ± 8
PI + CD120b	207 ± 376	41 ± 31	82 ± 87	53 ± 64	212 ± 388
PI + CD138	14 ± 34	6 ± 12	13 ± 21	4 ± 7	2 ± 4
PI + CD15	149 ± 306	32 ± 40	82 ± 107	275 ± 697	70 ± 76
PI + CD1a	4 ± 8	17 ± 48	1 ± 2	3 ± 7	7 ± 13
PI + CD2	662 ± 439	291 ± 288	439 ± 340	409 ± 298	940 ± 1177
PI + CD207	14 ± 24	15 ± 29	9 ± 24	29 ± 63	19 ± 27
PI + CD24	221 ± 426	45 ± 39	172 ± 240	356 ± 786	160 ± 209
PI + CD28	592 ± 513	174 ± 276	285 ± 287	302 ± 280	711 ± 952
PI + CD29	5551 ± 2363	3194 ± 2369	4619 ± 2340	4282 ± 2034	4269 ± 2210
PI + CD3	888 ± 519	594 ± 472	814 ± 606	813 ± 533	1295 ± 1364
PI + CD31	3722 ± 1651	2411 ± 1716	3271 ± 2043	3239 ± 1543	4092 ± 2991
PI + CD4	1655 ± 1240	995 ± 1297	1236 ± 1206	1152 ± 1192	2021 ± 1586
PI + CD44	1305 ± 886	979 ± 679	1291 ± 702	1396 ± 771	1296 ± 642
PI + CD45	455 ± 298	167 ± 195	327 ± 259	370 ± 279	434 ± 411
PI + CD45RA	207 ± 84	148 ± 66	178 ± 90	170 ± 60	185 ± 67
PI + CD45RO	214 ± 227	76 ± 155	201 ± 196	260 ± 287	376 ± 561
PI + CD52	757 ± 779	217 ± 384	343 ± 413	498 ± 748	836 ± 1291
PI + CD54	5270 ± 2353	2909 ± 2259	4154 ± 2228	3844 ± 1874	4263 ± 2583
PI + CD56	180 ± 301	69 ± 110	73 ± 108	72 ± 111	110 ± 128
PI + CD58	912 ± 734	795 ± 715	613 ± 654	942 ± 858	1966 ± 2837
PI + CD62E	800 ± 683	232 ± 248	945 ± 1244	799 ± 1028	634 ± 460
PI + CD62P	1866 ± 1099	1112 ± 938	1899 ± 1133	1523 ± 836	1501 ± 779
PI + CD68	1727 ± 1235	1180 ± 730	1502 ± 706	1329 ± 875	1525 ± 815
PI + CD7	291 ± 197	186 ± 187	305 ± 322	436 ± 378	383 ± 280
PI + CD8a	162 ± 105	113 ± 93	167 ± 91	179 ± 107	249 ± 224
PI + CK14	4 ± 8	1 ± 1	1 ± 2	2 ± 3	1 ± 2
PI + CLA	117 ± 66	65 ± 61	127 ± 93	344 ± 641	113 ± 67
PI + c-myc	1417 ± 2020	460 ± 700	1059 ± 1364	422 ± 726	345 ± 723
PI + Collagen IV	3331 ± 1728	2335 ± 1710	3598 ± 1923	3698 ± 1776	3523 ± 1667
PI + FXIIIA	116 ± 88	97 ± 101	269 ± 391	115 ± 89	426 ± 602
PI + HLA-DR	3717 ± 1257	2541 ± 1682	3130 ± 1477	3100 ± 1586	3122 ± 1614
PI + IL-22R	6 ± 9	6 ± 10	6 ± 9	8 ± 11	22 ± 39
PI + IL-23R	100 ± 194	82 ± 199	43 ± 60	44 ± 75	85 ± 135
PI + Ki67	4 ± 6	2 ± 5	11 ± 15	3 ± 6	5 ± 10
PI + Podoplanin	1108 ± 645	686 ± 652	963 ± 587	847 ± 609	1034 ± 614
PI + SNA1	4296 ± 2488	2774 ± 1620	3926 ± 1995	3531 ± 1419	3591 ± 1713
PI + STAT3	69 ± 91	45 ± 58	45 ± 56	56 ± 88	39 ± 58
PI + TIA1	153 ± 128	96 ± 70	178 ± 136	380 ± 730	141 ± 112
PI + Vimentin	3594 ± 1550	1942 ± 1214	3111 ± 1440	3262 ± 1123	2627 ± 802

Tabelle 364: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	73 ± 122	95 ± 141	91 ± 167	31 ± 48	31 ± 49
Podoplanin + BCL2	39 ± 58	15 ± 25	76 ± 154	22 ± 24	30 ± 36
Podoplanin + CCR6	84 ± 70	75 ± 89	62 ± 56	82 ± 69	64 ± 57
Podoplanin + CD11a	270 ± 344	159 ± 357	268 ± 372	349 ± 443	227 ± 350
Podoplanin + CD11b	142 ± 169	136 ± 174	137 ± 174	161 ± 168	172 ± 156
Podoplanin + CD120a	4 ± 5	3 ± 5	5 ± 7	7 ± 13	3 ± 5
Podoplanin + CD120b	61 ± 49	30 ± 41	44 ± 58	37 ± 41	78 ± 96
Podoplanin + CD138	21 ± 34	32 ± 63	15 ± 21	11 ± 20	11 ± 20
Podoplanin + CD15	54 ± 54	38 ± 62	20 ± 22	20 ± 23	24 ± 23
Podoplanin + CD1a	10 ± 17	8 ± 15	5 ± 16	9 ± 19	6 ± 15
Podoplanin + CD2	290 ± 356	155 ± 324	209 ± 314	248 ± 317	263 ± 338
Podoplanin + CD207	42 ± 103	36 ± 105	36 ± 105	65 ± 121	36 ± 105
Podoplanin + CD24	67 ± 64	31 ± 30	45 ± 34	67 ± 111	122 ± 158
Podoplanin + CD28	298 ± 453	167 ± 440	230 ± 431	279 ± 436	299 ± 470
Podoplanin + CD29	522 ± 313	308 ± 233	440 ± 198	323 ± 188	304 ± 203
Podoplanin + CD3	444 ± 626	337 ± 660	472 ± 657	591 ± 725	500 ± 740
Podoplanin + CD31	114 ± 111	125 ± 133	180 ± 298	314 ± 641	375 ± 508
Podoplanin + CD4	503 ± 844	409 ± 868	469 ± 847	590 ± 857	526 ± 850
Podoplanin + CD44	752 ± 471	664 ± 550	789 ± 554	864 ± 550	878 ± 476
Podoplanin + CD45	246 ± 289	110 ± 245	177 ± 254	279 ± 332	158 ± 240
Podoplanin + CD45RA	117 ± 82	106 ± 102	95 ± 81	110 ± 85	111 ± 71
Podoplanin + CD45RO	142 ± 181	92 ± 179	117 ± 170	157 ± 220	162 ± 215
Podoplanin + CD52	463 ± 680	233 ± 637	274 ± 625	487 ± 755	389 ± 664
Podoplanin + CD54	692 ± 725	381 ± 601	389 ± 580	630 ± 732	386 ± 570
Podoplanin + CD56	75 ± 53	81 ± 80	70 ± 48	55 ± 58	80 ± 47
Podoplanin + CD58	99 ± 161	87 ± 166	78 ± 166	264 ± 577	233 ± 317
Podoplanin + CD62E	1 ± 3	7 ± 15	1 ± 2	0 ± 0	0 ± 1
Podoplanin + CD62P	17 ± 39	18 ± 32	4 ± 5	4 ± 6	4 ± 6
Podoplanin + CD68	239 ± 224	196 ± 245	264 ± 245	189 ± 250	205 ± 238
Podoplanin + CD7	144 ± 205	80 ± 169	161 ± 239	208 ± 281	109 ± 164
Podoplanin + CD8a	83 ± 120	71 ± 126	87 ± 122	97 ± 124	98 ± 126
Podoplanin + CK14	7 ± 19	3 ± 9	2 ± 4	0 ± 1	0 ± 1
Podoplanin + CLA	83 ± 103	47 ± 74	82 ± 78	120 ± 150	78 ± 82
Podoplanin + c-myc	207 ± 290	110 ± 158	144 ± 189	79 ± 142	78 ± 142
Podoplanin + Collagen IV	1296 ± 904	1305 ± 843	1670 ± 722	1571 ± 823	1845 ± 1114
Podoplanin + FXIIIA	68 ± 74	85 ± 96	70 ± 67	63 ± 71	114 ± 78
Podoplanin + HLA-DR	1236 ± 797	949 ± 943	1079 ± 913	1133 ± 883	1318 ± 969
Podoplanin + IL-22R	2 ± 5	2 ± 5	2 ± 5	6 ± 12	17 ± 46
Podoplanin + IL-23R	4 ± 4	4 ± 5	3 ± 4	3 ± 5	6 ± 7
Podoplanin + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
Podoplanin + PI	1108 ± 645	686 ± 652	963 ± 587	847 ± 609	1034 ± 614
Podoplanin + SNA1	1420 ± 1169	1288 ± 619	1545 ± 632	1281 ± 691	1562 ± 792
Podoplanin + STAT3	31 ± 51	44 ± 87	22 ± 33	16 ± 30	16 ± 30
Podoplanin + TIA1	46 ± 48	53 ± 60	42 ± 38	45 ± 40	46 ± 36
Podoplanin + Vimentin	1779 ± 952	1257 ± 780	1819 ± 729	1698 ± 954	1914 ± 933

Tabelle 365: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	5729 ± 4071	3770 ± 2777	5881 ± 3744	4295 ± 2866	4004 ± 3008
SNA1 + BCL2	139 ± 150	40 ± 37	622 ± 1199	36 ± 35	71 ± 76
SNA1 + CCR6	70 ± 68	51 ± 55	38 ± 25	62 ± 73	39 ± 29
SNA1 + CD11a	318 ± 334	125 ± 79	270 ± 277	221 ± 209	187 ± 145
SNA1 + CD11b	469 ± 372	280 ± 238	418 ± 332	669 ± 934	640 ± 727
SNA1 + CD120a	10 ± 12	6 ± 9	10 ± 10	14 ± 19	9 ± 12
SNA1 + CD120b	160 ± 283	62 ± 33	75 ± 60	52 ± 57	116 ± 137
SNA1 + CD138	15 ± 26	27 ± 63	20 ± 25	9 ± 13	6 ± 11
SNA1 + CD15	188 ± 346	102 ± 136	87 ± 80	275 ± 651	66 ± 68
SNA1 + CD1a	1 ± 3	38 ± 109	1 ± 1	0 ± 1	4 ± 7
SNA1 + CD2	491 ± 362	216 ± 203	304 ± 259	249 ± 197	443 ± 361
SNA1 + CD207	11 ± 19	26 ± 63	7 ± 15	12 ± 17	8 ± 16
SNA1 + CD24	184 ± 332	70 ± 61	191 ± 247	331 ± 695	225 ± 390
SNA1 + CD28	429 ± 406	106 ± 104	199 ± 215	170 ± 99	336 ± 362
SNA1 + CD29	8291 ± 4465	4991 ± 3707	7736 ± 4050	6665 ± 3268	5647 ± 3582
SNA1 + CD3	682 ± 535	626 ± 519	664 ± 591	581 ± 382	736 ± 568
SNA1 + CD31	5887 ± 3605	4046 ± 3113	5584 ± 3982	5335 ± 2954	5232 ± 3239
SNA1 + CD4	2016 ± 1702	1208 ± 1597	1443 ± 1519	1293 ± 1544	1852 ± 1542
SNA1 + CD44	1690 ± 1445	1616 ± 1120	1795 ± 999	1965 ± 920	1724 ± 1095
SNA1 + CD45	245 ± 202	84 ± 64	167 ± 144	163 ± 118	197 ± 259
SNA1 + CD45RA	155 ± 85	137 ± 55	120 ± 57	113 ± 43	116 ± 50
SNA1 + CD45RO	109 ± 160	41 ± 47	103 ± 108	125 ± 176	107 ± 137
SNA1 + CD52	576 ± 541	212 ± 306	281 ± 372	412 ± 640	419 ± 591
SNA1 + CD54	7946 ± 4687	4674 ± 3696	6931 ± 3984	5887 ± 3293	5689 ± 3709
SNA1 + CD56	210 ± 319	106 ± 100	98 ± 89	98 ± 91	143 ± 141
SNA1 + CD58	1202 ± 1014	1162 ± 1112	866 ± 919	1315 ± 1240	1667 ± 1660
SNA1 + CD62E	1184 ± 1339	328 ± 341	1395 ± 1922	887 ± 1034	718 ± 554
SNA1 + CD62P	2817 ± 2374	1726 ± 1597	3032 ± 1802	2311 ± 1477	2149 ± 1498
SNA1 + CD68	2226 ± 1733	1586 ± 943	2039 ± 1007	1740 ± 1146	1851 ± 1069
SNA1 + CD7	212 ± 223	125 ± 142	218 ± 291	315 ± 291	203 ± 203
SNA1 + CD8a	120 ± 88	101 ± 72	127 ± 94	114 ± 63	112 ± 67
SNA1 + CK14	7 ± 10	7 ± 13	5 ± 8	5 ± 8	5 ± 9
SNA1 + CLA	88 ± 70	60 ± 51	99 ± 94	245 ± 498	77 ± 67
SNA1 + c-myc	3094 ± 4997	912 ± 1209	2821 ± 3797	786 ± 1223	578 ± 1130
SNA1 + Collagen IV	7199 ± 3829	5343 ± 3330	8274 ± 4378	7480 ± 3129	6695 ± 3511
SNA1 + FXIIIA	227 ± 189	220 ± 200	459 ± 584	234 ± 189	625 ± 808
SNA1 + HLA-DR	5257 ± 2654	4168 ± 2569	4820 ± 2528	4581 ± 2544	4252 ± 2732
SNA1 + IL-22R	4 ± 8	4 ± 8	4 ± 8	7 ± 12	7 ± 8
SNA1 + IL-23R	100 ± 182	120 ± 298	54 ± 77	53 ± 88	92 ± 181
SNA1 + Ki67	2 ± 4	1 ± 2	8 ± 14	2 ± 3	1 ± 2
SNA1 + PI	4296 ± 2488	2774 ± 1620	3926 ± 1995	3531 ± 1419	3591 ± 1713
SNA1 + Podoplanin	1420 ± 1169	1288 ± 619	1545 ± 632	1281 ± 691	1562 ± 792
SNA1 + STAT3	77 ± 101	83 ± 106	67 ± 89	66 ± 100	49 ± 88
SNA1 + TIA1	160 ± 158	113 ± 65	190 ± 150	332 ± 614	123 ± 155
SNA1 + Vimentin	4863 ± 3116	2886 ± 1705	4623 ± 2254	4619 ± 1811	3544 ± 1703

Tabelle 366: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	59 ± 90	53 ± 59	33 ± 23	28 ± 27	33 ± 31
STAT3 + BCL2	3 ± 4	4 ± 8	5 ± 7	2 ± 3	4 ± 7
STAT3 + CCR6	31 ± 58	38 ± 77	18 ± 27	12 ± 26	13 ± 25
STAT3 + CD11a	3 ± 6	1 ± 2	1 ± 1	2 ± 5	1 ± 1
STAT3 + CD11b	15 ± 21	7 ± 11	13 ± 17	36 ± 87	14 ± 21
STAT3 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD120b	7 ± 20	4 ± 10	2 ± 6	0 ± 0	1 ± 3
STAT3 + CD138	25 ± 44	34 ± 71	16 ± 21	11 ± 20	11 ± 20
STAT3 + CD15	18 ± 32	24 ± 49	13 ± 19	26 ± 54	8 ± 17
STAT3 + CD1a	1 ± 3	2 ± 5	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD2	2 ± 3	1 ± 2	1 ± 2	1 ± 2	5 ± 9
STAT3 + CD207	2 ± 6	0 ± 1	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD24	10 ± 24	4 ± 11	7 ± 14	26 ± 74	1 ± 1
STAT3 + CD28	2 ± 4	2 ± 4	1 ± 2	0 ± 1	3 ± 8
STAT3 + CD29	99 ± 123	82 ± 97	78 ± 93	75 ± 104	66 ± 93
STAT3 + CD3	6 ± 16	6 ± 16	3 ± 6	1 ± 2	3 ± 6
STAT3 + CD31	67 ± 100	54 ± 99	52 ± 93	64 ± 108	57 ± 100
STAT3 + CD4	14 ± 24	5 ± 9	4 ± 8	5 ± 10	8 ± 13
STAT3 + CD44	25 ± 43	28 ± 51	18 ± 26	12 ± 17	11 ± 17
STAT3 + CD45	6 ± 15	1 ± 1	1 ± 1	1 ± 3	2 ± 3
STAT3 + CD45RA	34 ± 56	44 ± 79	22 ± 33	17 ± 33	18 ± 32
STAT3 + CD45RO	29 ± 52	26 ± 51	19 ± 27	29 ± 57	12 ± 21
STAT3 + CD52	9 ± 21	14 ± 35	4 ± 4	2 ± 3	13 ± 34
STAT3 + CD54	69 ± 101	51 ± 96	56 ± 92	64 ± 109	53 ± 96
STAT3 + CD56	35 ± 57	45 ± 83	28 ± 38	18 ± 35	19 ± 34
STAT3 + CD58	42 ± 60	55 ± 65	33 ± 56	42 ± 62	38 ± 57
STAT3 + CD62E	34 ± 48	16 ± 30	22 ± 33	47 ± 103	24 ± 42
STAT3 + CD62P	51 ± 78	27 ± 53	36 ± 54	41 ± 72	34 ± 59
STAT3 + CD68	62 ± 93	55 ± 64	46 ± 58	35 ± 62	41 ± 60
STAT3 + CD7	5 ± 15	2 ± 4	1 ± 2	3 ± 8	1 ± 1
STAT3 + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + CK14	7 ± 20	4 ± 13	2 ± 5	1 ± 2	0 ± 0
STAT3 + CLA	4 ± 8	1 ± 3	2 ± 3	8 ± 22	1 ± 3
STAT3 + c-myc	45 ± 78	58 ± 113	32 ± 39	17 ± 26	17 ± 26
STAT3 + Collagen IV	45 ± 61	48 ± 63	39 ± 58	45 ± 72	32 ± 57
STAT3 + FXIIIA	29 ± 47	40 ± 81	27 ± 30	14 ± 25	15 ± 25
STAT3 + HLA-DR	74 ± 89	77 ± 97	62 ± 72	54 ± 72	47 ± 69
STAT3 + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + IL-23R	16 ± 24	20 ± 38	8 ± 17	13 ± 26	11 ± 21
STAT3 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + PI	69 ± 91	45 ± 58	45 ± 56	56 ± 88	39 ± 58
STAT3 + Podoplanin	31 ± 51	44 ± 87	22 ± 33	16 ± 30	16 ± 30
STAT3 + SNA1	77 ± 101	83 ± 106	67 ± 89	66 ± 100	49 ± 88
STAT3 + TIA1	24 ± 36	31 ± 58	18 ± 26	23 ± 40	14 ± 25
STAT3 + Vimentin	61 ± 79	60 ± 85	51 ± 63	57 ± 83	36 ± 63

Tabelle 367: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	72 ± 48	74 ± 64	71 ± 62	75 ± 86	83 ± 143
TIA1 + BCL2	7 ± 6	5 ± 5	5 ± 6	7 ± 6	14 ± 27
TIA1 + CCR6	28 ± 40	34 ± 61	21 ± 33	20 ± 34	20 ± 32
TIA1 + CD11a	60 ± 40	43 ± 40	42 ± 30	66 ± 78	66 ± 53
TIA1 + CD11b	124 ± 125	57 ± 45	147 ± 200	394 ± 975	83 ± 54
TIA1 + CD120a	1 ± 1	0 ± 1	1 ± 3	0 ± 1	1 ± 1
TIA1 + CD120b	5 ± 12	7 ± 13	1 ± 1	1 ± 2	13 ± 30
TIA1 + CD138	15 ± 25	24 ± 49	11 ± 17	8 ± 16	8 ± 16
TIA1 + CD15	56 ± 96	32 ± 63	81 ± 140	356 ± 1020	24 ± 35
TIA1 + CD1a	1 ± 2	5 ± 10	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD2	57 ± 43	36 ± 39	37 ± 40	48 ± 58	81 ± 89
TIA1 + CD207	2 ± 6	3 ± 10	0 ± 0	0 ± 1	2 ± 4
TIA1 + CD24	28 ± 60	14 ± 34	103 ± 221	391 ± 1143	9 ± 24
TIA1 + CD28	30 ± 28	11 ± 13	11 ± 11	14 ± 16	35 ± 54
TIA1 + CD29	177 ± 139	123 ± 83	196 ± 158	180 ± 119	135 ± 149
TIA1 + CD3	60 ± 50	39 ± 24	38 ± 31	48 ± 53	81 ± 88
TIA1 + CD31	121 ± 84	105 ± 93	146 ± 112	165 ± 132	126 ± 129
TIA1 + CD4	70 ± 76	40 ± 65	47 ± 69	38 ± 65	68 ± 79
TIA1 + CD44	59 ± 40	54 ± 41	67 ± 42	87 ± 56	93 ± 108
TIA1 + CD45	42 ± 33	26 ± 28	32 ± 29	45 ± 44	69 ± 92
TIA1 + CD45RA	76 ± 87	97 ± 89	69 ± 72	81 ± 77	73 ± 72
TIA1 + CD45RO	47 ± 75	24 ± 41	24 ± 26	101 ± 248	53 ± 67
TIA1 + CD52	58 ± 68	28 ± 41	25 ± 29	53 ± 101	50 ± 77
TIA1 + CD54	215 ± 168	132 ± 110	258 ± 214	236 ± 187	173 ± 160
TIA1 + CD56	24 ± 40	32 ± 59	19 ± 34	15 ± 34	16 ± 34
TIA1 + CD58	30 ± 25	58 ± 59	18 ± 19	22 ± 16	44 ± 45
TIA1 + CD62E	98 ± 134	22 ± 34	102 ± 143	411 ± 1072	75 ± 115
TIA1 + CD62P	92 ± 94	43 ± 49	121 ± 112	128 ± 143	88 ± 126
TIA1 + CD68	45 ± 43	55 ± 51	45 ± 42	64 ± 83	42 ± 48
TIA1 + CD7	73 ± 76	78 ± 100	67 ± 72	115 ± 113	94 ± 83
TIA1 + CD8a	25 ± 21	21 ± 20	27 ± 18	39 ± 43	62 ± 64
TIA1 + CK14	5 ± 16	2 ± 7	1 ± 4	0 ± 0	0 ± 0
TIA1 + CLA	23 ± 35	9 ± 10	22 ± 31	309 ± 876	19 ± 21
TIA1 + c-myc	49 ± 68	39 ± 56	73 ± 88	25 ± 34	26 ± 36
TIA1 + Collagen IV	105 ± 157	65 ± 59	141 ± 134	295 ± 545	105 ± 168
TIA1 + FXIIIA	26 ± 35	31 ± 57	36 ± 46	14 ± 30	25 ± 34
TIA1 + HLA-DR	168 ± 122	126 ± 88	194 ± 125	165 ± 93	135 ± 106
TIA1 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + IL-23R	19 ± 53	7 ± 17	4 ± 10	28 ± 85	3 ± 5
TIA1 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + PI	153 ± 128	96 ± 70	178 ± 136	380 ± 730	141 ± 112
TIA1 + Podoplanin	46 ± 48	53 ± 60	42 ± 38	45 ± 40	46 ± 36
TIA1 + SNA1	160 ± 158	113 ± 65	190 ± 150	332 ± 614	123 ± 155
TIA1 + STAT3	24 ± 36	31 ± 58	18 ± 26	23 ± 40	14 ± 25
TIA1 + Vimentin	85 ± 63	64 ± 58	84 ± 62	195 ± 321	85 ± 128

Tabelle 368: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Responder identifizierten n=4 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	3254 ± 2062	1726 ± 1455	2945 ± 1931	2652 ± 1642	1754 ± 1516
Vimentin + BCL2	165 ± 192	50 ± 42	455 ± 836	56 ± 40	72 ± 42
Vimentin + CCR6	94 ± 85	62 ± 68	55 ± 42	84 ± 85	53 ± 44
Vimentin + CD11a	306 ± 271	137 ± 188	280 ± 236	307 ± 329	206 ± 168
Vimentin + CD11b	296 ± 185	217 ± 215	275 ± 193	484 ± 528	412 ± 278
Vimentin + CD120a	6 ± 5	3 ± 5	9 ± 12	8 ± 11	4 ± 5
Vimentin + CD120b	28 ± 38	13 ± 13	24 ± 39	16 ± 15	43 ± 70
Vimentin + CD138	12 ± 21	27 ± 65	13 ± 14	6 ± 8	5 ± 8
Vimentin + CD15	72 ± 91	68 ± 92	46 ± 80	170 ± 372	62 ± 81
Vimentin + CD1a	5 ± 8	9 ± 16	5 ± 10	5 ± 9	5 ± 8
Vimentin + CD2	409 ± 230	172 ± 197	274 ± 182	278 ± 175	348 ± 198
Vimentin + CD207	19 ± 34	15 ± 33	16 ± 32	28 ± 49	16 ± 32
Vimentin + CD24	17 ± 29	8 ± 13	40 ± 68	177 ± 396	117 ± 270
Vimentin + CD28	361 ± 320	121 ± 235	185 ± 231	209 ± 235	268 ± 273
Vimentin + CD29	5040 ± 2494	2507 ± 2001	4269 ± 2238	4504 ± 2094	2896 ± 1778
Vimentin + CD3	537 ± 385	382 ± 400	482 ± 372	568 ± 415	574 ± 457
Vimentin + CD31	3786 ± 2104	2127 ± 1829	3292 ± 2378	3911 ± 2215	2859 ± 1587
Vimentin + CD4	1190 ± 843	626 ± 655	776 ± 565	824 ± 532	948 ± 485
Vimentin + CD44	1142 ± 677	1068 ± 752	1293 ± 485	1638 ± 768	1254 ± 599
Vimentin + CD45	233 ± 155	94 ± 125	196 ± 171	236 ± 215	188 ± 214
Vimentin + CD45RA	106 ± 75	101 ± 77	96 ± 51	101 ± 41	84 ± 51
Vimentin + CD45RO	114 ± 121	61 ± 99	127 ± 115	142 ± 155	139 ± 144
Vimentin + CD52	488 ± 488	221 ± 395	240 ± 359	481 ± 748	335 ± 408
Vimentin + CD54	5006 ± 2618	2552 ± 2133	3932 ± 2010	4199 ± 1937	3075 ± 1874
Vimentin + CD56	151 ± 211	75 ± 70	70 ± 40	78 ± 42	108 ± 102
Vimentin + CD58	891 ± 766	719 ± 686	622 ± 694	1198 ± 1258	974 ± 739
Vimentin + CD62E	786 ± 823	256 ± 299	919 ± 1272	786 ± 974	449 ± 306
Vimentin + CD62P	1884 ± 1456	1096 ± 1116	1962 ± 1169	1881 ± 1096	1314 ± 1006
Vimentin + CD68	1590 ± 961	1040 ± 745	1467 ± 740	1386 ± 913	1112 ± 765
Vimentin + CD7	211 ± 174	115 ± 127	201 ± 194	310 ± 276	160 ± 117
Vimentin + CD8a	98 ± 74	70 ± 72	107 ± 75	101 ± 59	104 ± 72
Vimentin + CK14	7 ± 14	4 ± 9	3 ± 4	2 ± 3	2 ± 3
Vimentin + CLA	72 ± 38	48 ± 46	93 ± 75	180 ± 231	77 ± 62
Vimentin + c-myc	1763 ± 2517	574 ± 1067	1473 ± 1790	641 ± 1117	498 ± 1088
Vimentin + Collagen IV	3155 ± 2050	2039 ± 1465	3401 ± 1940	4140 ± 2384	2800 ± 1734
Vimentin + FXIIIA	132 ± 84	129 ± 117	277 ± 431	138 ± 82	276 ± 230
Vimentin + HLA-DR	3913 ± 1338	2652 ± 1571	3464 ± 1325	3675 ± 1393	2924 ± 1295
Vimentin + IL-22R	5 ± 7	5 ± 7	5 ± 7	9 ± 14	20 ± 44
Vimentin + IL-23R	62 ± 92	36 ± 51	34 ± 32	41 ± 56	45 ± 71
Vimentin + Ki67	3 ± 6	1 ± 4	5 ± 8	2 ± 4	2 ± 4
Vimentin + PI	3594 ± 1550	1942 ± 1214	3111 ± 1440	3262 ± 1123	2627 ± 802
Vimentin + Podoplanin	1779 ± 952	1257 ± 780	1819 ± 729	1698 ± 954	1914 ± 933
Vimentin + SNA1	4863 ± 3116	2886 ± 1705	4623 ± 2254	4619 ± 1811	3544 ± 1703
Vimentin + STAT3	61 ± 79	60 ± 85	51 ± 63	57 ± 83	36 ± 63
Vimentin + TIA1	85 ± 63	64 ± 58	84 ± 62	195 ± 321	85 ± 128

1.1.9 Duale Koexpression der dermalen Kapillaren für die Non-Responder

Tabelle 369: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	55 ± 74	25 ± 34	20 ± 35	20 ± 35	26 ± 33
Aktin + CCR6	34 ± 48	14 ± 19	17 ± 18	16 ± 18	22 ± 23
Aktin + CD11a	120 ± 209	80 ± 104	32 ± 29	43 ± 66	44 ± 65
Aktin + CD11b	148 ± 132	288 ± 408	106 ± 94	219 ± 301	308 ± 484
Aktin + CD120a	2 ± 3	2 ± 3	2 ± 3	2 ± 3	3 ± 3
Aktin + CD120b	20 ± 38	31 ± 44	7 ± 5	9 ± 11	10 ± 12
Aktin + CD138	25 ± 37	11 ± 18	13 ± 17	13 ± 18	11 ± 18
Aktin + CD15	57 ± 76	39 ± 53	32 ± 53	66 ± 96	50 ± 64
Aktin + CD1a	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	171 ± 256	133 ± 162	64 ± 76	77 ± 84	418 ± 936
Aktin + CD207	0 ± 0	1 ± 2	0 ± 1	0 ± 1	1 ± 1
Aktin + CD24	12 ± 21	19 ± 25	11 ± 15	9 ± 15	10 ± 11
Aktin + CD28	105 ± 214	26 ± 26	15 ± 20	89 ± 195	65 ± 123
Aktin + CD29	6008 ± 3445	4682 ± 3792	5662 ± 3587	5048 ± 3964	5892 ± 3940
Aktin + CD3	348 ± 550	301 ± 361	276 ± 396	447 ± 828	531 ± 793
Aktin + CD31	3931 ± 2614	3071 ± 2317	3300 ± 2236	3957 ± 3422	3909 ± 2607
Aktin + CD4	1348 ± 1544	1130 ± 1304	1020 ± 1334	1461 ± 1892	1706 ± 1948
Aktin + CD44	1254 ± 1282	1356 ± 1315	1012 ± 630	1013 ± 1001	1398 ± 1479
Aktin + CD45	118 ± 255	44 ± 58	20 ± 19	14 ± 14	37 ± 73
Aktin + CD45RA	129 ± 172	100 ± 108	55 ± 13	69 ± 73	73 ± 75
Aktin + CD45RO	41 ± 56	13 ± 14	19 ± 14	18 ± 19	23 ± 28
Aktin + CD52	220 ± 363	67 ± 83	38 ± 38	60 ± 81	165 ± 356
Aktin + CD54	5103 ± 3089	3977 ± 3029	4136 ± 2897	4562 ± 3680	4961 ± 3313
Aktin + CD56	111 ± 168	93 ± 167	129 ± 171	99 ± 166	86 ± 170
Aktin + CD58	1143 ± 887	1079 ± 1076	861 ± 793	1004 ± 938	926 ± 826
Aktin + CD62E	529 ± 344	327 ± 375	365 ± 355	418 ± 373	360 ± 356
Aktin + CD62P	2282 ± 1490	1891 ± 1497	1948 ± 1430	2360 ± 2031	2360 ± 1594
Aktin + CD68	1111 ± 706	952 ± 798	1258 ± 743	1285 ± 1132	1203 ± 853
Aktin + CD7	173 ± 395	105 ± 140	98 ± 125	46 ± 66	102 ± 208
Aktin + CD8a	46 ± 47	115 ± 149	41 ± 29	48 ± 64	60 ± 94
Aktin + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CLA	19 ± 31	35 ± 47	19 ± 30	15 ± 25	44 ± 87
Aktin + c-myc	822 ± 1618	752 ± 1650	812 ± 1626	752 ± 1650	756 ± 1648
Aktin + Collagen IV	4930 ± 2922	4021 ± 2850	4482 ± 2810	4521 ± 3663	4976 ± 3769
Aktin + FXIIIA	122 ± 87	190 ± 141	106 ± 91	131 ± 108	184 ± 204
Aktin + HLA-DR	3377 ± 1934	3048 ± 1993	2932 ± 1834	3356 ± 2970	3227 ± 2146
Aktin + IL-22R	2 ± 4	10 ± 20	2 ± 4	2 ± 4	2 ± 4
Aktin + IL-23R	15 ± 30	3 ± 5	4 ± 4	6 ± 6	81 ± 205
Aktin + Ki67	5 ± 13	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + PI	2898 ± 1638	2508 ± 1598	2489 ± 1644	2977 ± 2569	2970 ± 2138
Aktin + Podoplanin	183 ± 253	115 ± 154	61 ± 74	35 ± 54	39 ± 53
Aktin + SNA1	5130 ± 3144	4031 ± 3027	4474 ± 2931	4383 ± 3594	4866 ± 3295
Aktin + STAT3	43 ± 34	57 ± 71	30 ± 23	27 ± 26	27 ± 26
Aktin + TIA1	118 ± 222	43 ± 24	82 ± 79	53 ± 56	136 ± 273
Aktin + Vimentin	2741 ± 1638	2193 ± 1542	2378 ± 1573	2234 ± 1763	2287 ± 1696

Tabelle 370: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	55 ± 74	25 ± 34	20 ± 35	20 ± 35	26 ± 33
BCL2 + CCR6	22 ± 30	10 ± 14	11 ± 13	13 ± 14	11 ± 14
BCL2 + CD11a	82 ± 132	33 ± 28	32 ± 24	31 ± 27	33 ± 26
BCL2 + CD11b	23 ± 23	25 ± 26	16 ± 18	18 ± 18	27 ± 29
BCL2 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
BCL2 + CD120b	12 ± 26	3 ± 3	2 ± 3	2 ± 3	2 ± 3
BCL2 + CD138	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
BCL2 + CD15	1 ± 1	2 ± 4	1 ± 1	4 ± 9	1 ± 1
BCL2 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
BCL2 + CD2	99 ± 152	40 ± 39	41 ± 37	40 ± 39	39 ± 37
BCL2 + CD207	3 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 1
BCL2 + CD24	0 ± 0	0 ± 0	0 ± 0	1 ± 1	0 ± 0
BCL2 + CD28	73 ± 123	22 ± 29	24 ± 28	28 ± 29	25 ± 27
BCL2 + CD29	108 ± 123	56 ± 50	52 ± 51	51 ± 53	69 ± 55
BCL2 + CD3	94 ± 152	38 ± 35	37 ± 32	36 ± 34	44 ± 36
BCL2 + CD31	76 ± 91	37 ± 35	34 ± 37	34 ± 37	44 ± 36
BCL2 + CD4	121 ± 199	46 ± 38	42 ± 35	43 ± 37	56 ± 45
BCL2 + CD44	95 ± 148	45 ± 42	39 ± 36	37 ± 38	47 ± 40
BCL2 + CD45	81 ± 138	31 ± 25	30 ± 20	28 ± 23	30 ± 20
BCL2 + CD45RA	21 ± 34	12 ± 16	7 ± 7	8 ± 7	7 ± 7
BCL2 + CD45RO	53 ± 103	13 ± 17	14 ± 16	14 ± 18	11 ± 16
BCL2 + CD52	67 ± 121	23 ± 25	21 ± 22	21 ± 23	19 ± 21
BCL2 + CD54	129 ± 192	53 ± 38	47 ± 39	45 ± 40	66 ± 48
BCL2 + CD56	1 ± 2	1 ± 1	2 ± 3	1 ± 1	1 ± 1
BCL2 + CD58	42 ± 42	24 ± 35	24 ± 35	27 ± 34	32 ± 36
BCL2 + CD62E	9 ± 20	2 ± 2	2 ± 2	2 ± 2	2 ± 2
BCL2 + CD62P	19 ± 31	9 ± 15	8 ± 15	8 ± 16	15 ± 21
BCL2 + CD68	72 ± 71	44 ± 50	41 ± 51	40 ± 52	50 ± 50
BCL2 + CD7	64 ± 123	17 ± 13	20 ± 11	20 ± 15	17 ± 12
BCL2 + CD8a	22 ± 22	17 ± 18	17 ± 17	16 ± 18	17 ± 17
BCL2 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
BCL2 + CLA	32 ± 56	14 ± 12	9 ± 9	10 ± 9	11 ± 8
BCL2 + c-myc	20 ± 35	18 ± 35	17 ± 36	17 ± 36	22 ± 36
BCL2 + Collagen IV	71 ± 85	34 ± 38	32 ± 39	30 ± 40	39 ± 36
BCL2 + FXIIIA	13 ± 15	11 ± 16	11 ± 16	11 ± 16	17 ± 19
BCL2 + HLA-DR	104 ± 124	54 ± 49	48 ± 49	46 ± 51	62 ± 52
BCL2 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
BCL2 + IL-23R	4 ± 3	3 ± 3	3 ± 3	3 ± 3	3 ± 3
BCL2 + Ki67	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 1
BCL2 + PI	138 ± 171	71 ± 63	65 ± 62	58 ± 68	80 ± 64
BCL2 + Podoplanin	74 ± 137	26 ± 29	21 ± 27	25 ± 28	21 ± 27
BCL2 + SNA1	100 ± 145	38 ± 39	38 ± 38	36 ± 40	47 ± 43
BCL2 + STAT3	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
BCL2 + TIA1	9 ± 10	5 ± 5	5 ± 5	4 ± 6	5 ± 5
BCL2 + Vimentin	114 ± 140	61 ± 47	56 ± 45	52 ± 49	60 ± 45

Tabelle 371: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	34 ± 48	14 ± 19	17 ± 18	16 ± 18	22 ± 23
CCR6 + BCL2	22 ± 30	10 ± 14	11 ± 13	13 ± 14	11 ± 14
CCR6 + CD11a	65 ± 88	33 ± 51	37 ± 49	39 ± 49	40 ± 50
CCR6 + CD11b	33 ± 31	30 ± 33	30 ± 33	33 ± 31	36 ± 29
CCR6 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CCR6 + CD120b	7 ± 9	4 ± 7	5 ± 7	6 ± 7	6 ± 8
CCR6 + CD138	26 ± 42	10 ± 18	15 ± 21	10 ± 18	10 ± 18
CCR6 + CD15	16 ± 25	8 ± 19	10 ± 19	12 ± 19	8 ± 19
CCR6 + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CCR6 + CD2	66 ± 85	34 ± 54	38 ± 51	40 ± 52	47 ± 56
CCR6 + CD207	5 ± 10	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CCR6 + CD24	2 ± 2	2 ± 2	4 ± 4	3 ± 2	2 ± 2
CCR6 + CD28	58 ± 80	29 ± 52	31 ± 51	37 ± 50	37 ± 51
CCR6 + CD29	67 ± 61	42 ± 41	52 ± 38	44 ± 39	54 ± 37
CCR6 + CD3	70 ± 90	38 ± 61	44 ± 57	48 ± 58	51 ± 62
CCR6 + CD31	14 ± 14	9 ± 10	9 ± 10	13 ± 8	18 ± 22
CCR6 + CD4	77 ± 92	43 ± 63	48 ± 60	52 ± 60	59 ± 64
CCR6 + CD44	112 ± 122	61 ± 64	71 ± 54	69 ± 56	83 ± 64
CCR6 + CD45	68 ± 89	34 ± 50	39 ± 47	40 ± 47	42 ± 48
CCR6 + CD45RA	60 ± 82	29 ± 41	40 ± 43	30 ± 40	33 ± 39
CCR6 + CD45RO	59 ± 84	26 ± 38	30 ± 35	30 ± 36	28 ± 37
CCR6 + CD52	64 ± 94	31 ± 57	33 ± 55	38 ± 55	38 ± 56
CCR6 + CD54	75 ± 88	42 ± 54	45 ± 51	46 ± 50	56 ± 54
CCR6 + CD56	42 ± 56	22 ± 40	32 ± 42	22 ± 40	25 ± 38
CCR6 + CD58	30 ± 31	18 ± 22	19 ± 22	23 ± 21	20 ± 21
CCR6 + CD62E	3 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CCR6 + CD62P	9 ± 10	6 ± 7	6 ± 7	8 ± 8	7 ± 7
CCR6 + CD68	51 ± 52	32 ± 38	39 ± 36	32 ± 38	40 ± 35
CCR6 + CD7	43 ± 65	18 ± 32	22 ± 30	24 ± 31	24 ± 31
CCR6 + CD8a	14 ± 11	10 ± 11	13 ± 9	13 ± 10	16 ± 16
CCR6 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CLA	28 ± 40	12 ± 12	12 ± 12	12 ± 12	20 ± 21
CCR6 + c-myc	31 ± 49	13 ± 27	23 ± 34	13 ± 27	14 ± 27
CCR6 + Collagen IV	22 ± 20	16 ± 18	18 ± 16	18 ± 16	32 ± 38
CCR6 + FXIIIA	38 ± 53	20 ± 35	32 ± 41	20 ± 35	24 ± 33
CCR6 + HLA-DR	119 ± 110	73 ± 69	88 ± 60	79 ± 62	90 ± 62
CCR6 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + IL-23R	1 ± 1	1 ± 1	1 ± 2	1 ± 1	1 ± 1
CCR6 + Ki67	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + PI	77 ± 91	41 ± 52	48 ± 48	43 ± 51	51 ± 51
CCR6 + Podoplanin	114 ± 126	62 ± 69	77 ± 63	71 ± 64	71 ± 63
CCR6 + SNA1	67 ± 74	36 ± 33	47 ± 32	39 ± 29	47 ± 29
CCR6 + STAT3	31 ± 43	15 ± 29	24 ± 32	15 ± 29	16 ± 28
CCR6 + TIA1	35 ± 50	19 ± 38	26 ± 38	20 ± 38	22 ± 37
CCR6 + Vimentin	92 ± 111	47 ± 54	54 ± 49	52 ± 50	66 ± 57

Tabelle 372: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	120 ± 209	80 ± 104	32 ± 29	43 ± 66	44 ± 65
CD11a + BCL2	82 ± 132	33 ± 28	32 ± 24	31 ± 27	33 ± 26
CD11a + CCR6	65 ± 88	33 ± 51	37 ± 49	39 ± 49	40 ± 50
CD11a + CD11b	183 ± 148	163 ± 95	121 ± 76	125 ± 72	157 ± 79
CD11a + CD120a	2 ± 3	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD11a + CD120b	59 ± 81	21 ± 23	21 ± 24	18 ± 18	19 ± 19
CD11a + CD138	1 ± 3	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD11a + CD15	3 ± 5	4 ± 7	2 ± 3	12 ± 26	2 ± 3
CD11a + CD1a	1 ± 3	2 ± 4	1 ± 2	1 ± 2	1 ± 2
CD11a + CD2	526 ± 628	279 ± 221	306 ± 229	274 ± 227	289 ± 218
CD11a + CD207	11 ± 21	4 ± 10	5 ± 10	4 ± 10	4 ± 10
CD11a + CD24	30 ± 35	11 ± 9	13 ± 14	10 ± 8	7 ± 7
CD11a + CD28	479 ± 639	208 ± 279	220 ± 275	253 ± 263	226 ± 270
CD11a + CD29	362 ± 474	153 ± 94	154 ± 91	124 ± 97	163 ± 85
CD11a + CD3	698 ± 787	379 ± 299	408 ± 316	384 ± 295	390 ± 290
CD11a + CD31	203 ± 373	73 ± 59	50 ± 44	55 ± 44	64 ± 48
CD11a + CD4	719 ± 909	376 ± 329	376 ± 342	362 ± 333	388 ± 321
CD11a + CD44	684 ± 834	329 ± 149	374 ± 208	306 ± 165	332 ± 146
CD11a + CD45	591 ± 775	253 ± 199	308 ± 231	248 ± 210	253 ± 198
CD11a + CD45RA	198 ± 248	88 ± 39	88 ± 36	71 ± 32	65 ± 39
CD11a + CD45RO	265 ± 380	95 ± 170	132 ± 170	111 ± 166	99 ± 168
CD11a + CD52	400 ± 527	195 ± 286	209 ± 298	191 ± 289	183 ± 291
CD11a + CD54	638 ± 892	309 ± 224	282 ± 230	270 ± 235	317 ± 222
CD11a + CD56	7 ± 8	3 ± 4	9 ± 12	4 ± 4	4 ± 4
CD11a + CD58	99 ± 89	72 ± 79	52 ± 81	70 ± 76	63 ± 76
CD11a + CD62E	44 ± 92	3 ± 4	6 ± 9	3 ± 4	3 ± 4
CD11a + CD62P	84 ± 166	23 ± 18	20 ± 15	17 ± 17	12 ± 15
CD11a + CD68	81 ± 87	55 ± 82	63 ± 80	57 ± 80	59 ± 80
CD11a + CD7	371 ± 580	145 ± 97	207 ± 182	152 ± 94	141 ± 99
CD11a + CD8a	152 ± 83	140 ± 53	125 ± 55	98 ± 46	120 ± 32
CD11a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + CLA	128 ± 156	81 ± 46	84 ± 55	73 ± 41	87 ± 46
CD11a + c-myc	10 ± 13	5 ± 9	5 ± 9	5 ± 9	5 ± 9
CD11a + Collagen IV	371 ± 519	176 ± 111	163 ± 123	134 ± 114	164 ± 112
CD11a + FXIIIA	14 ± 15	10 ± 9	9 ± 9	8 ± 10	11 ± 10
CD11a + HLA-DR	678 ± 671	358 ± 210	383 ± 223	323 ± 236	350 ± 215
CD11a + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + IL-23R	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD11a + Ki67	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + PI	599 ± 696	315 ± 243	312 ± 253	273 ± 271	302 ± 247
CD11a + Podoplanin	439 ± 586	220 ± 394	217 ± 396	246 ± 395	194 ± 403
CD11a + SNA1	493 ± 777	166 ± 77	168 ± 89	120 ± 86	152 ± 68
CD11a + STAT3	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + TIA1	82 ± 106	43 ± 33	49 ± 32	43 ± 33	44 ± 37
CD11a + Vimentin	413 ± 527	193 ± 191	209 ± 198	176 ± 200	185 ± 196

Tabelle 373: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	148 ± 132	288 ± 408	106 ± 94	219 ± 301	308 ± 484
CD11b + BCL2	23 ± 23	25 ± 26	16 ± 18	18 ± 18	27 ± 29
CD11b + CCR6	33 ± 31	30 ± 33	30 ± 33	33 ± 31	36 ± 29
CD11b + CD11a	183 ± 148	163 ± 95	121 ± 76	125 ± 72	157 ± 79
CD11b + CD120a	2 ± 2	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD11b + CD120b	10 ± 9	18 ± 27	8 ± 7	8 ± 6	13 ± 10
CD11b + CD138	4 ± 8	4 ± 8	4 ± 8	5 ± 8	4 ± 8
CD11b + CD15	51 ± 104	17 ± 20	18 ± 20	18 ± 20	27 ± 43
CD11b + CD1a	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD11b + CD2	153 ± 106	188 ± 151	119 ± 89	130 ± 78	211 ± 184
CD11b + CD207	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD11b + CD24	14 ± 16	12 ± 14	11 ± 12	13 ± 12	15 ± 14
CD11b + CD28	104 ± 95	77 ± 70	67 ± 78	102 ± 76	91 ± 64
CD11b + CD29	470 ± 340	516 ± 384	375 ± 313	457 ± 324	723 ± 542
CD11b + CD3	188 ± 128	267 ± 247	159 ± 116	224 ± 171	291 ± 188
CD11b + CD31	256 ± 241	287 ± 306	165 ± 157	271 ± 266	337 ± 264
CD11b + CD4	391 ± 319	477 ± 415	283 ± 290	375 ± 287	545 ± 358
CD11b + CD44	405 ± 261	469 ± 279	341 ± 269	378 ± 254	543 ± 273
CD11b + CD45	149 ± 141	120 ± 57	89 ± 56	88 ± 57	108 ± 45
CD11b + CD45RA	74 ± 53	110 ± 117	76 ± 41	73 ± 50	83 ± 46
CD11b + CD45RO	56 ± 65	38 ± 32	34 ± 28	36 ± 26	31 ± 28
CD11b + CD52	80 ± 112	102 ± 134	56 ± 109	76 ± 103	81 ± 112
CD11b + CD54	529 ± 444	531 ± 387	373 ± 317	434 ± 317	670 ± 409
CD11b + CD56	30 ± 35	32 ± 34	29 ± 36	30 ± 36	31 ± 35
CD11b + CD58	59 ± 61	74 ± 61	47 ± 66	98 ± 109	92 ± 104
CD11b + CD62E	58 ± 110	57 ± 110	54 ± 109	50 ± 110	57 ± 110
CD11b + CD62P	103 ± 152	116 ± 162	92 ± 149	113 ± 155	99 ± 151
CD11b + CD68	197 ± 196	222 ± 187	189 ± 203	239 ± 198	247 ± 179
CD11b + CD7	101 ± 80	114 ± 97	86 ± 31	82 ± 34	92 ± 39
CD11b + CD8a	45 ± 35	114 ± 134	53 ± 37	48 ± 32	61 ± 28
CD11b + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11b + CLA	38 ± 34	52 ± 45	33 ± 35	37 ± 33	54 ± 44
CD11b + c-myc	73 ± 110	72 ± 110	72 ± 110	72 ± 111	81 ± 106
CD11b + Collagen IV	343 ± 275	416 ± 360	241 ± 191	336 ± 268	585 ± 578
CD11b + FXIIIA	95 ± 99	134 ± 94	94 ± 100	96 ± 98	159 ± 102
CD11b + HLA-DR	595 ± 381	693 ± 414	524 ± 408	607 ± 398	788 ± 357
CD11b + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + IL-23R	7 ± 7	6 ± 7	6 ± 7	9 ± 6	13 ± 16
CD11b + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	4 ± 10
CD11b + PI	406 ± 278	486 ± 363	311 ± 246	405 ± 283	572 ± 396
CD11b + Podoplanin	229 ± 207	235 ± 218	157 ± 194	176 ± 179	203 ± 166
CD11b + SNA1	475 ± 403	480 ± 362	329 ± 247	394 ± 271	551 ± 307
CD11b + STAT3	9 ± 12	8 ± 13	8 ± 13	8 ± 13	9 ± 12
CD11b + TIA1	89 ± 104	51 ± 46	69 ± 41	57 ± 42	125 ± 195
CD11b + Vimentin	329 ± 205	383 ± 224	279 ± 206	295 ± 202	379 ± 205

Tabelle 374: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	2 ± 3	2 ± 3	2 ± 3	2 ± 3	3 ± 3
CD120a + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CCR6	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD11a	2 ± 3	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD120a + CD11b	2 ± 2	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120a + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD15	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD2	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD28	2 ± 3	0 ± 1	0 ± 1	1 ± 3	0 ± 1
CD120a + CD29	8 ± 9	6 ± 9	6 ± 9	6 ± 9	6 ± 9
CD120a + CD3	2 ± 3	1 ± 2	2 ± 2	2 ± 2	1 ± 2
CD120a + CD31	5 ± 7	4 ± 7	4 ± 7	6 ± 8	4 ± 7
CD120a + CD4	3 ± 4	2 ± 3	3 ± 3	2 ± 3	2 ± 3
CD120a + CD44	5 ± 6	3 ± 5	5 ± 5	4 ± 5	3 ± 5
CD120a + CD45	1 ± 3	0 ± 1	1 ± 1	2 ± 4	0 ± 1
CD120a + CD45RA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD45RO	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD52	1 ± 2	1 ± 2	1 ± 2	2 ± 4	1 ± 2
CD120a + CD54	11 ± 11	7 ± 11	8 ± 10	9 ± 10	7 ± 10
CD120a + CD56	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD58	3 ± 4	3 ± 4	3 ± 4	5 ± 6	3 ± 4
CD120a + CD62E	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD120a + CD68	2 ± 6	2 ± 6	3 ± 5	2 ± 6	2 ± 6
CD120a + CD7	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CLA	1 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD120a + c-myc	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + Collagen IV	9 ± 10	7 ± 10	7 ± 10	9 ± 10	7 ± 10
CD120a + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120a + HLA-DR	9 ± 8	6 ± 8	7 ± 8	7 ± 8	7 ± 8
CD120a + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	5 ± 5	4 ± 5	4 ± 5	4 ± 5	4 ± 5
CD120a + Podoplanin	4 ± 5	3 ± 5	3 ± 5	4 ± 5	3 ± 5
CD120a + SNA1	11 ± 11	7 ± 10	7 ± 10	9 ± 10	7 ± 10
CD120a + STAT3	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120a + TIA1	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + Vimentin	7 ± 5	4 ± 5	5 ± 5	6 ± 6	4 ± 5

Tabelle 375: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	20 ± 38	31 ± 44	7 ± 5	9 ± 11	10 ± 12
CD120b + BCL2	12 ± 26	3 ± 3	2 ± 3	2 ± 3	2 ± 3
CD120b + CCR6	7 ± 9	4 ± 7	5 ± 7	6 ± 7	6 ± 8
CD120b + CD11a	59 ± 81	21 ± 23	21 ± 24	18 ± 18	19 ± 19
CD120b + CD11b	10 ± 9	18 ± 27	8 ± 7	8 ± 6	13 ± 10
CD120b + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120b + CD138	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120b + CD15	6 ± 9	7 ± 9	6 ± 9	10 ± 10	6 ± 9
CD120b + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD2	36 ± 61	21 ± 26	15 ± 16	16 ± 16	28 ± 40
CD120b + CD207	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120b + CD24	88 ± 73	52 ± 33	72 ± 65	61 ± 51	69 ± 44
CD120b + CD28	46 ± 74	18 ± 23	21 ± 24	26 ± 24	32 ± 41
CD120b + CD29	108 ± 101	69 ± 30	77 ± 65	81 ± 45	80 ± 44
CD120b + CD3	67 ± 86	38 ± 38	35 ± 39	45 ± 41	47 ± 48
CD120b + CD31	27 ± 45	25 ± 27	9 ± 10	40 ± 78	27 ± 36
CD120b + CD4	55 ± 98	32 ± 37	24 ± 26	26 ± 23	39 ± 42
CD120b + CD44	143 ± 146	88 ± 40	97 ± 76	90 ± 51	107 ± 60
CD120b + CD45	51 ± 87	16 ± 16	22 ± 25	21 ± 23	17 ± 16
CD120b + CD45RA	63 ± 86	18 ± 12	18 ± 15	14 ± 14	32 ± 27
CD120b + CD45RO	25 ± 48	6 ± 12	9 ± 13	10 ± 14	6 ± 12
CD120b + CD52	45 ± 60	18 ± 27	20 ± 30	30 ± 49	16 ± 25
CD120b + CD54	84 ± 140	52 ± 38	37 ± 29	57 ± 71	52 ± 38
CD120b + CD56	2 ± 3	1 ± 2	2 ± 2	2 ± 2	2 ± 3
CD120b + CD58	20 ± 25	24 ± 31	9 ± 16	38 ± 71	15 ± 20
CD120b + CD62E	2 ± 3	3 ± 7	0 ± 1	1 ± 1	1 ± 1
CD120b + CD62P	12 ± 15	16 ± 20	7 ± 12	19 ± 31	9 ± 11
CD120b + CD68	8 ± 9	9 ± 9	10 ± 13	6 ± 6	15 ± 24
CD120b + CD7	31 ± 64	10 ± 14	15 ± 25	12 ± 14	13 ± 18
CD120b + CD8a	6 ± 4	15 ± 16	6 ± 6	6 ± 4	10 ± 14
CD120b + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CLA	13 ± 29	3 ± 2	8 ± 16	3 ± 4	7 ± 13
CD120b + c-myc	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD120b + Collagen IV	66 ± 79	57 ± 40	48 ± 40	61 ± 64	63 ± 58
CD120b + FXIIIA	1 ± 2	2 ± 2	2 ± 2	1 ± 2	2 ± 2
CD120b + HLA-DR	116 ± 104	80 ± 36	83 ± 61	79 ± 39	93 ± 50
CD120b + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + IL-23R	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD120b + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + PI	80 ± 117	49 ± 35	38 ± 28	47 ± 33	61 ± 50
CD120b + Podoplanin	77 ± 90	39 ± 41	31 ± 40	52 ± 53	43 ± 39
CD120b + SNA1	105 ± 107	68 ± 34	57 ± 32	69 ± 50	75 ± 43
CD120b + STAT3	0 ± 0	1 ± 3	0 ± 1	0 ± 0	0 ± 0
CD120b + TIA1	0 ± 0	1 ± 1	1 ± 1	0 ± 1	4 ± 9
CD120b + Vimentin	31 ± 53	20 ± 18	9 ± 9	29 ± 49	22 ± 33

Tabelle 376: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	25 ± 37	11 ± 18	13 ± 17	13 ± 18	11 ± 18
CD138 + BCL2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + CCR6	26 ± 42	10 ± 18	15 ± 21	10 ± 18	10 ± 18
CD138 + CD11a	1 ± 3	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD138 + CD11b	4 ± 8	4 ± 8	4 ± 8	5 ± 8	4 ± 8
CD138 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD120b	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD138 + CD15	13 ± 22	5 ± 12	7 ± 12	5 ± 12	5 ± 12
CD138 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD2	1 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
CD138 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD28	0 ± 1	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD138 + CD29	25 ± 38	10 ± 18	23 ± 23	16 ± 20	11 ± 18
CD138 + CD3	0 ± 1	0 ± 0	4 ± 9	3 ± 7	0 ± 0
CD138 + CD31	0 ± 1	0 ± 0	5 ± 12	6 ± 16	0 ± 0
CD138 + CD4	1 ± 3	0 ± 0	2 ± 4	2 ± 6	0 ± 0
CD138 + CD44	18 ± 29	7 ± 11	15 ± 18	10 ± 12	7 ± 11
CD138 + CD45	1 ± 3	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD138 + CD45RA	30 ± 43	14 ± 23	19 ± 24	14 ± 23	14 ± 23
CD138 + CD45RO	18 ± 25	9 ± 17	12 ± 16	9 ± 17	9 ± 16
CD138 + CD52	6 ± 14	1 ± 1	9 ± 22	1 ± 2	1 ± 1
CD138 + CD54	4 ± 10	0 ± 0	8 ± 20	6 ± 17	0 ± 0
CD138 + CD56	28 ± 38	14 ± 22	19 ± 24	14 ± 22	14 ± 22
CD138 + CD58	12 ± 19	5 ± 8	7 ± 8	5 ± 8	5 ± 8
CD138 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD62P	3 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD138 + CD68	21 ± 37	8 ± 17	13 ± 20	8 ± 17	8 ± 17
CD138 + CD7	0 ± 1	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD138 + CD8a	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD138 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CLA	1 ± 3	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD138 + c-myc	24 ± 36	10 ± 17	17 ± 22	10 ± 17	10 ± 17
CD138 + Collagen IV	3 ± 4	1 ± 1	7 ± 14	3 ± 5	1 ± 1
CD138 + FXIIIA	24 ± 37	10 ± 18	16 ± 21	10 ± 18	10 ± 18
CD138 + HLA-DR	23 ± 29	12 ± 21	19 ± 21	18 ± 22	13 ± 20
CD138 + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + IL-23R	1 ± 2	1 ± 2	3 ± 4	1 ± 2	1 ± 2
CD138 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + PI	9 ± 16	3 ± 4	7 ± 8	9 ± 15	3 ± 4
CD138 + Podoplanin	33 ± 44	14 ± 23	19 ± 23	14 ± 23	14 ± 23
CD138 + SNA1	20 ± 25	8 ± 13	17 ± 16	13 ± 15	8 ± 12
CD138 + STAT3	27 ± 37	14 ± 22	21 ± 24	14 ± 22	14 ± 22
CD138 + TIA1	21 ± 31	10 ± 18	14 ± 19	10 ± 18	10 ± 18
CD138 + Vimentin	19 ± 33	6 ± 9	12 ± 11	8 ± 9	6 ± 9

Tabelle 377: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	57 ± 76	39 ± 53	32 ± 53	66 ± 96	50 ± 64
CD15 + BCL2	1 ± 1	2 ± 4	1 ± 1	4 ± 9	1 ± 1
CD15 + CCR6	16 ± 25	8 ± 19	10 ± 19	12 ± 19	8 ± 19
CD15 + CD11a	3 ± 5	4 ± 7	2 ± 3	12 ± 26	2 ± 3
CD15 + CD11b	51 ± 104	17 ± 20	18 ± 20	18 ± 20	27 ± 43
CD15 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD15 + CD120b	6 ± 9	7 ± 9	6 ± 9	10 ± 10	6 ± 9
CD15 + CD138	13 ± 22	5 ± 12	7 ± 12	5 ± 12	5 ± 12
CD15 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD2	3 ± 4	5 ± 8	3 ± 3	13 ± 28	3 ± 3
CD15 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD24	11 ± 11	7 ± 11	9 ± 10	14 ± 12	8 ± 10
CD15 + CD28	3 ± 6	1 ± 1	1 ± 1	15 ± 36	1 ± 1
CD15 + CD29	88 ± 102	58 ± 63	60 ± 64	92 ± 100	68 ± 69
CD15 + CD3	8 ± 17	7 ± 15	10 ± 21	20 ± 38	2 ± 3
CD15 + CD31	61 ± 96	37 ± 65	29 ± 65	83 ± 140	31 ± 64
CD15 + CD4	16 ± 26	15 ± 24	7 ± 8	36 ± 49	7 ± 8
CD15 + CD44	36 ± 40	33 ± 32	28 ± 21	49 ± 46	23 ± 17
CD15 + CD45	3 ± 5	2 ± 3	2 ± 2	11 ± 27	1 ± 2
CD15 + CD45RA	19 ± 26	11 ± 19	12 ± 19	11 ± 19	11 ± 19
CD15 + CD45RO	10 ± 16	5 ± 7	6 ± 7	11 ± 18	4 ± 7
CD15 + CD52	14 ± 28	7 ± 10	4 ± 5	18 ± 38	5 ± 6
CD15 + CD54	91 ± 136	53 ± 80	43 ± 80	91 ± 133	48 ± 79
CD15 + CD56	16 ± 26	9 ± 20	10 ± 20	8 ± 20	8 ± 20
CD15 + CD58	23 ± 32	18 ± 31	16 ± 32	38 ± 40	19 ± 31
CD15 + CD62E	11 ± 13	8 ± 11	8 ± 11	25 ± 46	12 ± 15
CD15 + CD62P	43 ± 56	25 ± 26	20 ± 28	67 ± 114	23 ± 26
CD15 + CD68	34 ± 42	34 ± 42	28 ± 42	45 ± 56	27 ± 42
CD15 + CD7	8 ± 18	1 ± 1	1 ± 2	11 ± 27	1 ± 1
CD15 + CD8a	1 ± 1	3 ± 6	7 ± 17	2 ± 3	1 ± 1
CD15 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CLA	3 ± 6	2 ± 3	3 ± 5	5 ± 12	1 ± 2
CD15 + c-myc	16 ± 26	8 ± 19	10 ± 19	8 ± 19	8 ± 19
CD15 + Collagen IV	62 ± 111	24 ± 26	26 ± 29	35 ± 42	38 ± 53
CD15 + FXIIIA	17 ± 26	9 ± 19	11 ± 19	9 ± 20	9 ± 20
CD15 + HLA-DR	73 ± 74	60 ± 58	57 ± 57	105 ± 130	52 ± 57
CD15 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + IL-23R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD15 + Ki67	0 ± 1	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + PI	48 ± 68	32 ± 37	25 ± 33	59 ± 94	41 ± 52
CD15 + Podoplanin	49 ± 64	27 ± 24	23 ± 24	41 ± 34	27 ± 24
CD15 + SNA1	104 ± 145	55 ± 65	56 ± 65	95 ± 118	49 ± 65
CD15 + STAT3	18 ± 25	10 ± 19	11 ± 19	10 ± 19	10 ± 19
CD15 + TIA1	39 ± 68	12 ± 21	15 ± 21	14 ± 21	29 ± 44
CD15 + Vimentin	60 ± 92	61 ± 93	51 ± 92	102 ± 143	51 ± 92

Tabelle 378: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CCR6	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + CD11a	1 ± 3	2 ± 4	1 ± 2	1 ± 2	1 ± 2
CD1a + CD11b	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD1a + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD2	4 ± 10	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CD1a + CD207	7 ± 17	7 ± 17	7 ± 17	7 ± 17	7 ± 17
CD1a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD28	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD1a + CD29	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD1a + CD3	3 ± 7	5 ± 9	3 ± 7	3 ± 7	3 ± 7
CD1a + CD31	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD1a + CD4	6 ± 15	8 ± 15	6 ± 15	6 ± 15	6 ± 15
CD1a + CD44	3 ± 6	5 ± 8	2 ± 6	2 ± 6	2 ± 6
CD1a + CD45	2 ± 4	4 ± 7	2 ± 4	2 ± 4	2 ± 4
CD1a + CD45RA	0 ± 1	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD1a + CD45RO	2 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD1a + CD52	3 ± 9	4 ± 9	3 ± 9	3 ± 9	3 ± 9
CD1a + CD54	5 ± 11	7 ± 12	4 ± 11	4 ± 11	4 ± 11
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	1 ± 2	3 ± 5	1 ± 2	1 ± 2	1 ± 2
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD7	1 ± 2	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + CD8a	0 ± 1	2 ± 4	0 ± 1	0 ± 1	0 ± 1
CD1a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CLA	3 ± 8	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD1a + c-myc	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + Collagen IV	2 ± 6	4 ± 7	2 ± 6	2 ± 6	2 ± 6
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	5 ± 11	7 ± 12	4 ± 12	4 ± 12	4 ± 12
CD1a + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + PI	2 ± 3	3 ± 6	1 ± 3	1 ± 3	1 ± 3
CD1a + Podoplanin	7 ± 18	7 ± 17	7 ± 18	7 ± 18	7 ± 18
CD1a + SNA1	1 ± 1	3 ± 6	0 ± 1	0 ± 1	0 ± 1
CD1a + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + Vimentin	3 ± 8	6 ± 10	3 ± 8	3 ± 8	3 ± 8

Tabelle 379: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	171 ± 256	133 ± 162	64 ± 76	77 ± 84	418 ± 936
CD2 + BCL2	99 ± 152	40 ± 39	41 ± 37	40 ± 39	39 ± 37
CD2 + CCR6	66 ± 85	34 ± 54	38 ± 51	40 ± 52	47 ± 56
CD2 + CD11a	526 ± 628	279 ± 221	306 ± 229	274 ± 227	289 ± 218
CD2 + CD11b	153 ± 106	188 ± 151	119 ± 89	130 ± 78	211 ± 184
CD2 + CD120a	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD120b	36 ± 61	21 ± 26	15 ± 16	16 ± 16	28 ± 40
CD2 + CD138	1 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
CD2 + CD15	3 ± 4	5 ± 8	3 ± 3	13 ± 28	3 ± 3
CD2 + CD1a	4 ± 10	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CD2 + CD207	22 ± 41	15 ± 40	16 ± 40	15 ± 40	16 ± 40
CD2 + CD24	9 ± 13	8 ± 10	6 ± 7	7 ± 8	5 ± 6
CD2 + CD28	479 ± 631	219 ± 266	228 ± 260	267 ± 249	286 ± 266
CD2 + CD29	456 ± 522	299 ± 264	257 ± 259	256 ± 262	621 ± 911
CD2 + CD3	746 ± 845	439 ± 312	453 ± 306	455 ± 296	683 ± 697
CD2 + CD31	317 ± 455	177 ± 149	130 ± 142	167 ± 117	429 ± 730
CD2 + CD4	793 ± 926	461 ± 305	441 ± 314	463 ± 295	736 ± 774
CD2 + CD44	583 ± 759	302 ± 174	326 ± 183	272 ± 192	450 ± 443
CD2 + CD45	492 ± 655	228 ± 188	269 ± 198	234 ± 197	243 ± 191
CD2 + CD45RA	107 ± 138	71 ± 69	58 ± 43	54 ± 46	64 ± 57
CD2 + CD45RO	289 ± 419	111 ± 187	153 ± 182	130 ± 181	121 ± 183
CD2 + CD52	428 ± 614	203 ± 286	211 ± 295	210 ± 289	241 ± 315
CD2 + CD54	686 ± 847	392 ± 271	352 ± 288	375 ± 269	709 ± 859
CD2 + CD56	6 ± 7	3 ± 4	8 ± 12	3 ± 4	3 ± 4
CD2 + CD58	91 ± 74	83 ± 69	71 ± 78	86 ± 70	86 ± 67
CD2 + CD62E	91 ± 163	26 ± 28	20 ± 28	21 ± 27	41 ± 53
CD2 + CD62P	148 ± 267	54 ± 56	36 ± 42	44 ± 42	171 ± 347
CD2 + CD68	143 ± 122	132 ± 126	131 ± 127	141 ± 119	243 ± 285
CD2 + CD7	333 ± 544	137 ± 98	173 ± 134	126 ± 89	166 ± 136
CD2 + CD8a	168 ± 121	164 ± 106	153 ± 105	119 ± 107	163 ± 123
CD2 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + CLA	142 ± 162	96 ± 75	89 ± 76	85 ± 74	124 ± 120
CD2 + c-myc	8 ± 10	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD2 + Collagen IV	434 ± 518	280 ± 203	241 ± 206	233 ± 210	625 ± 997
CD2 + FXIIIA	21 ± 25	23 ± 24	21 ± 25	19 ± 26	50 ± 74
CD2 + HLA-DR	628 ± 568	407 ± 251	398 ± 251	377 ± 268	518 ± 379
CD2 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD2 + IL-23R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	15 ± 37
CD2 + Ki67	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + PI	641 ± 690	403 ± 274	378 ± 278	351 ± 302	622 ± 664
CD2 + Podoplanin	388 ± 537	226 ± 355	220 ± 356	257 ± 367	197 ± 361
CD2 + SNA1	534 ± 738	278 ± 214	256 ± 206	235 ± 220	546 ± 773
CD2 + STAT3	2 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD2 + TIA1	75 ± 96	38 ± 44	44 ± 43	39 ± 43	65 ± 80
CD2 + Vimentin	437 ± 505	254 ± 174	257 ± 174	256 ± 178	399 ± 448

Tabelle 380: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	1 ± 2	0 ± 1	0 ± 1	1 ± 1
CD207 + BCL2	3 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD207 + CCR6	5 ± 10	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + CD11a	11 ± 21	4 ± 10	5 ± 10	4 ± 10	4 ± 10
CD207 + CD11b	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD207 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD120b	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD207 + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD1a	7 ± 17	7 ± 17	7 ± 17	7 ± 17	7 ± 17
CD207 + CD2	22 ± 41	15 ± 40	16 ± 40	15 ± 40	16 ± 40
CD207 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD28	18 ± 31	11 ± 29	12 ± 29	11 ± 29	11 ± 29
CD207 + CD29	3 ± 7	1 ± 1	0 ± 1	1 ± 1	1 ± 1
CD207 + CD3	20 ± 35	13 ± 31	13 ± 31	12 ± 31	13 ± 31
CD207 + CD31	4 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD207 + CD4	30 ± 58	23 ± 58	23 ± 58	22 ± 58	23 ± 58
CD207 + CD44	16 ± 27	9 ± 21	11 ± 21	8 ± 21	9 ± 21
CD207 + CD45	13 ± 23	6 ± 14	7 ± 14	5 ± 14	5 ± 14
CD207 + CD45RA	2 ± 4	2 ± 4	2 ± 4	1 ± 4	1 ± 4
CD207 + CD45RO	12 ± 21	6 ± 17	7 ± 17	6 ± 17	6 ± 17
CD207 + CD52	22 ± 44	17 ± 45	17 ± 45	17 ± 45	17 ± 45
CD207 + CD54	25 ± 44	17 ± 42	17 ± 42	16 ± 42	17 ± 42
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	6 ± 11	5 ± 11	4 ± 11	4 ± 11	4 ± 11
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD207 + CD7	7 ± 14	2 ± 6	3 ± 6	2 ± 6	3 ± 6
CD207 + CD8a	5 ± 11	5 ± 11	5 ± 11	4 ± 11	4 ± 11
CD207 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CLA	14 ± 25	9 ± 23	11 ± 23	9 ± 23	9 ± 23
CD207 + c-myc	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD207 + Collagen IV	20 ± 50	20 ± 50	22 ± 50	20 ± 51	20 ± 51
CD207 + FXIIIA	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	32 ± 62	25 ± 61	27 ± 60	23 ± 61	24 ± 61
CD207 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + PI	16 ± 29	11 ± 27	14 ± 27	11 ± 27	10 ± 27
CD207 + Podoplanin	52 ± 118	45 ± 120	46 ± 120	45 ± 120	45 ± 120
CD207 + SNA1	13 ± 22	8 ± 17	10 ± 18	7 ± 18	7 ± 17
CD207 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + Vimentin	20 ± 38	15 ± 37	15 ± 37	14 ± 37	14 ± 37

Tabelle 381: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	12 ± 21	19 ± 25	11 ± 15	9 ± 15	10 ± 11
CD24 + BCL2	0 ± 0	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD24 + CCR6	2 ± 2	2 ± 2	4 ± 4	3 ± 2	2 ± 2
CD24 + CD11a	30 ± 35	11 ± 9	13 ± 14	10 ± 8	7 ± 7
CD24 + CD11b	14 ± 16	12 ± 14	11 ± 12	13 ± 12	15 ± 14
CD24 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD120b	88 ± 73	52 ± 33	72 ± 65	61 ± 51	69 ± 44
CD24 + CD138	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CD15	11 ± 11	7 ± 11	9 ± 10	14 ± 12	8 ± 10
CD24 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD2	9 ± 13	8 ± 10	6 ± 7	7 ± 8	5 ± 6
CD24 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD28	17 ± 21	8 ± 8	12 ± 11	13 ± 9	8 ± 8
CD24 + CD29	95 ± 64	65 ± 51	139 ± 146	73 ± 58	92 ± 62
CD24 + CD3	35 ± 35	19 ± 12	28 ± 28	27 ± 30	21 ± 17
CD24 + CD31	14 ± 21	11 ± 8	16 ± 16	7 ± 5	12 ± 9
CD24 + CD4	23 ± 39	14 ± 12	13 ± 11	12 ± 9	17 ± 16
CD24 + CD44	134 ± 103	102 ± 96	161 ± 169	115 ± 106	130 ± 98
CD24 + CD45	22 ± 33	7 ± 6	13 ± 18	8 ± 9	6 ± 5
CD24 + CD45RA	60 ± 62	23 ± 30	28 ± 30	22 ± 31	43 ± 37
CD24 + CD45RO	5 ± 11	1 ± 1	1 ± 2	3 ± 6	1 ± 1
CD24 + CD52	20 ± 27	6 ± 8	16 ± 26	10 ± 10	6 ± 8
CD24 + CD54	48 ± 72	32 ± 23	37 ± 37	19 ± 16	39 ± 40
CD24 + CD56	3 ± 4	2 ± 4	5 ± 6	3 ± 4	6 ± 9
CD24 + CD58	8 ± 9	11 ± 20	7 ± 8	8 ± 9	10 ± 17
CD24 + CD62E	0 ± 1	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD24 + CD62P	11 ± 22	11 ± 22	10 ± 22	10 ± 22	10 ± 22
CD24 + CD68	4 ± 3	3 ± 3	10 ± 12	3 ± 3	4 ± 3
CD24 + CD7	6 ± 10	4 ± 6	11 ± 23	5 ± 7	2 ± 2
CD24 + CD8a	5 ± 5	12 ± 12	9 ± 9	4 ± 6	5 ± 6
CD24 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CLA	4 ± 4	2 ± 3	6 ± 8	5 ± 7	2 ± 4
CD24 + c-myc	3 ± 4	3 ± 4	3 ± 4	3 ± 4	3 ± 4
CD24 + Collagen IV	53 ± 46	48 ± 27	134 ± 164	36 ± 21	56 ± 30
CD24 + FXIIIA	1 ± 2	2 ± 2	2 ± 3	1 ± 2	3 ± 6
CD24 + HLA-DR	102 ± 69	82 ± 63	123 ± 121	87 ± 74	103 ± 71
CD24 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + PI	60 ± 59	45 ± 36	67 ± 52	46 ± 45	65 ± 55
CD24 + Podoplanin	58 ± 45	31 ± 25	102 ± 176	51 ± 52	51 ± 35
CD24 + SNA1	92 ± 64	66 ± 44	140 ± 139	54 ± 47	81 ± 62
CD24 + STAT3	1 ± 1	2 ± 3	1 ± 2	1 ± 1	1 ± 1
CD24 + TIA1	2 ± 2	1 ± 2	3 ± 3	3 ± 6	2 ± 2
CD24 + Vimentin	10 ± 16	8 ± 7	53 ± 126	4 ± 4	4 ± 3

Tabelle 382: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	105 ± 214	26 ± 26	15 ± 20	89 ± 195	65 ± 123
CD28 + BCL2	73 ± 123	22 ± 29	24 ± 28	28 ± 29	25 ± 27
CD28 + CCR6	58 ± 80	29 ± 52	31 ± 51	37 ± 50	37 ± 51
CD28 + CD11a	479 ± 639	208 ± 279	220 ± 275	253 ± 263	226 ± 270
CD28 + CD11b	104 ± 95	77 ± 70	67 ± 78	102 ± 76	91 ± 64
CD28 + CD120a	2 ± 3	0 ± 1	0 ± 1	1 ± 3	0 ± 1
CD28 + CD120b	46 ± 74	18 ± 23	21 ± 24	26 ± 24	32 ± 41
CD28 + CD138	0 ± 1	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD28 + CD15	3 ± 6	1 ± 1	1 ± 1	15 ± 36	1 ± 1
CD28 + CD1a	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD28 + CD2	479 ± 631	219 ± 266	228 ± 260	267 ± 249	286 ± 266
CD28 + CD207	18 ± 31	11 ± 29	12 ± 29	11 ± 29	11 ± 29
CD28 + CD24	17 ± 21	8 ± 8	12 ± 11	13 ± 9	8 ± 8
CD28 + CD29	338 ± 554	102 ± 87	105 ± 85	174 ± 167	162 ± 119
CD28 + CD3	663 ± 870	303 ± 397	319 ± 390	460 ± 379	378 ± 380
CD28 + CD31	250 ± 507	54 ± 41	47 ± 45	120 ± 123	102 ± 103
CD28 + CD4	692 ± 972	301 ± 423	310 ± 418	435 ± 397	373 ± 405
CD28 + CD44	507 ± 726	199 ± 204	216 ± 197	261 ± 183	249 ± 203
CD28 + CD45	432 ± 613	170 ± 216	189 ± 210	212 ± 214	187 ± 208
CD28 + CD45RA	85 ± 141	22 ± 14	22 ± 15	26 ± 18	24 ± 16
CD28 + CD45RO	226 ± 338	85 ± 170	100 ± 165	110 ± 163	91 ± 167
CD28 + CD52	393 ± 580	176 ± 362	188 ± 357	231 ± 353	201 ± 356
CD28 + CD54	581 ± 883	224 ± 271	223 ± 272	308 ± 250	289 ± 262
CD28 + CD56	5 ± 8	2 ± 2	3 ± 3	3 ± 3	2 ± 2
CD28 + CD58	92 ± 87	65 ± 86	59 ± 89	122 ± 109	70 ± 83
CD28 + CD62E	74 ± 170	4 ± 5	3 ± 5	4 ± 5	11 ± 18
CD28 + CD62P	104 ± 236	12 ± 13	9 ± 12	17 ± 19	24 ± 33
CD28 + CD68	80 ± 86	63 ± 90	67 ± 87	111 ± 119	90 ± 92
CD28 + CD7	287 ± 512	87 ± 93	101 ± 96	118 ± 89	108 ± 95
CD28 + CD8a	85 ± 75	55 ± 44	51 ± 48	57 ± 43	68 ± 49
CD28 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CLA	87 ± 134	34 ± 35	37 ± 36	47 ± 33	43 ± 39
CD28 + c-myc	11 ± 18	6 ± 14	6 ± 14	6 ± 14	6 ± 14
CD28 + Collagen IV	387 ± 592	143 ± 173	145 ± 172	213 ± 189	208 ± 203
CD28 + FXIIIA	9 ± 8	6 ± 6	6 ± 6	8 ± 6	8 ± 7
CD28 + HLA-DR	510 ± 604	244 ± 297	253 ± 292	310 ± 284	285 ± 282
CD28 + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD28 + IL-23R	0 ± 0	0 ± 0	0 ± 0	1 ± 3	2 ± 6
CD28 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + PI	507 ± 687	223 ± 297	223 ± 298	295 ± 322	269 ± 289
CD28 + Podoplanin	383 ± 574	218 ± 494	221 ± 493	296 ± 488	214 ± 496
CD28 + SNA1	453 ± 797	119 ± 97	124 ± 96	173 ± 125	168 ± 113
CD28 + STAT3	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD28 + TIA1	38 ± 72	9 ± 12	9 ± 12	13 ± 11	16 ± 20
CD28 + Vimentin	355 ± 480	162 ± 256	163 ± 256	207 ± 244	190 ± 255

Tabelle 383: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	6008 ± 3445	4682 ± 3792	5662 ± 3587	5048 ± 3964	5892 ± 3940
CD29 + BCL2	108 ± 123	56 ± 50	52 ± 51	51 ± 53	69 ± 55
CD29 + CCR6	67 ± 61	42 ± 41	52 ± 38	44 ± 39	54 ± 37
CD29 + CD11a	362 ± 474	153 ± 94	154 ± 91	124 ± 97	163 ± 85
CD29 + CD11b	470 ± 340	516 ± 384	375 ± 313	457 ± 324	723 ± 542
CD29 + CD120a	8 ± 9	6 ± 9	6 ± 9	6 ± 9	6 ± 9
CD29 + CD120b	108 ± 101	69 ± 30	77 ± 65	81 ± 45	80 ± 44
CD29 + CD138	25 ± 38	10 ± 18	23 ± 23	16 ± 20	11 ± 18
CD29 + CD15	88 ± 102	58 ± 63	60 ± 64	92 ± 100	68 ± 69
CD29 + CD1a	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD29 + CD2	456 ± 522	299 ± 264	257 ± 259	256 ± 262	621 ± 911
CD29 + CD207	3 ± 7	1 ± 1	0 ± 1	1 ± 1	1 ± 1
CD29 + CD24	95 ± 64	65 ± 51	139 ± 146	73 ± 58	92 ± 62
CD29 + CD28	338 ± 554	102 ± 87	105 ± 85	174 ± 167	162 ± 119
CD29 + CD3	794 ± 950	505 ± 513	606 ± 590	689 ± 750	907 ± 862
CD29 + CD31	5873 ± 3666	4442 ± 3636	5350 ± 3267	5321 ± 3307	5931 ± 3386
CD29 + CD4	2464 ± 2525	1757 ± 2021	1785 ± 2024	2063 ± 2190	2731 ± 2351
CD29 + CD44	2170 ± 1681	1647 ± 919	1865 ± 872	1528 ± 1036	2193 ± 1393
CD29 + CD45	315 ± 512	106 ± 84	120 ± 86	105 ± 89	118 ± 83
CD29 + CD45RA	277 ± 246	164 ± 73	161 ± 37	130 ± 66	178 ± 81
CD29 + CD45RO	109 ± 174	36 ± 24	49 ± 22	36 ± 21	39 ± 24
CD29 + CD52	375 ± 580	116 ± 100	123 ± 115	185 ± 167	205 ± 302
CD29 + CD54	7290 ± 3986	5291 ± 4450	6369 ± 3799	5979 ± 3982	6985 ± 3788
CD29 + CD56	166 ± 190	143 ± 190	197 ± 185	139 ± 193	145 ± 189
CD29 + CD58	1716 ± 1276	1346 ± 1202	1353 ± 1219	1596 ± 1113	1584 ± 1372
CD29 + CD62E	727 ± 426	450 ± 459	528 ± 423	533 ± 427	484 ± 431
CD29 + CD62P	2745 ± 1685	2232 ± 1909	2551 ± 1671	2570 ± 1788	2885 ± 1683
CD29 + CD68	1992 ± 1164	1816 ± 1350	2347 ± 1031	2119 ± 1377	2305 ± 1102
CD29 + CD7	336 ± 576	167 ± 106	224 ± 196	122 ± 86	191 ± 196
CD29 + CD8a	116 ± 85	138 ± 97	123 ± 77	90 ± 83	123 ± 98
CD29 + CK14	4 ± 7	3 ± 7	3 ± 7	4 ± 7	4 ± 7
CD29 + CLA	78 ± 78	65 ± 59	72 ± 57	52 ± 63	94 ± 97
CD29 + c-myc	921 ± 1564	845 ± 1605	938 ± 1566	845 ± 1605	858 ± 1597
CD29 + Collagen IV	6516 ± 3077	4784 ± 3404	6218 ± 3083	5334 ± 3074	6369 ± 3610
CD29 + FXIIIA	227 ± 175	270 ± 170	222 ± 181	218 ± 183	345 ± 206
CD29 + HLA-DR	5348 ± 2511	4201 ± 3018	4961 ± 2530	4528 ± 3060	5118 ± 2556
CD29 + IL-22R	7 ± 13	9 ± 13	7 ± 13	7 ± 12	7 ± 13
CD29 + IL-23R	41 ± 37	29 ± 34	30 ± 34	35 ± 30	109 ± 200
CD29 + Ki67	6 ± 13	1 ± 3	1 ± 3	1 ± 3	3 ± 6
CD29 + PI	4675 ± 2125	3575 ± 2494	4214 ± 2189	4046 ± 2422	4613 ± 2291
CD29 + Podoplanin	590 ± 437	380 ± 189	396 ± 177	340 ± 188	366 ± 162
CD29 + SNA1	7461 ± 3699	5414 ± 4101	6939 ± 3624	5978 ± 3804	6924 ± 3556
CD29 + STAT3	82 ± 99	79 ± 100	77 ± 100	66 ± 104	66 ± 104
CD29 + TIA1	195 ± 256	94 ± 80	164 ± 109	98 ± 79	184 ± 235
CD29 + Vimentin	4123 ± 1758	3025 ± 1993	3850 ± 1920	3411 ± 1700	3473 ± 1870

Tabelle 384: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	348 ± 550	301 ± 361	276 ± 396	447 ± 828	531 ± 793
CD3 + BCL2	94 ± 152	38 ± 35	37 ± 32	36 ± 34	44 ± 36
CD3 + CCR6	70 ± 90	38 ± 61	44 ± 57	48 ± 58	51 ± 62
CD3 + CD11a	698 ± 787	379 ± 299	408 ± 316	384 ± 295	390 ± 290
CD3 + CD11b	188 ± 128	267 ± 247	159 ± 116	224 ± 171	291 ± 188
CD3 + CD120a	2 ± 3	1 ± 2	2 ± 2	2 ± 2	1 ± 2
CD3 + CD120b	67 ± 86	38 ± 38	35 ± 39	45 ± 41	47 ± 48
CD3 + CD138	0 ± 1	0 ± 0	4 ± 9	3 ± 7	0 ± 0
CD3 + CD15	8 ± 17	7 ± 15	10 ± 21	20 ± 38	2 ± 3
CD3 + CD1a	3 ± 7	5 ± 9	3 ± 7	3 ± 7	3 ± 7
CD3 + CD2	746 ± 845	439 ± 312	453 ± 306	455 ± 296	683 ± 697
CD3 + CD207	20 ± 35	13 ± 31	13 ± 31	12 ± 31	13 ± 31
CD3 + CD24	35 ± 35	19 ± 12	28 ± 28	27 ± 30	21 ± 17
CD3 + CD28	663 ± 870	303 ± 397	319 ± 390	460 ± 379	378 ± 380
CD3 + CD29	794 ± 950	505 ± 513	606 ± 590	689 ± 750	907 ± 862
CD3 + CD31	583 ± 906	312 ± 288	321 ± 315	518 ± 540	630 ± 657
CD3 + CD4	1326 ± 1520	859 ± 636	872 ± 619	1035 ± 707	1220 ± 833
CD3 + CD44	1017 ± 1242	575 ± 304	717 ± 387	658 ± 393	696 ± 430
CD3 + CD45	629 ± 826	284 ± 223	348 ± 252	302 ± 238	296 ± 222
CD3 + CD45RA	169 ± 215	85 ± 60	79 ± 36	73 ± 37	77 ± 45
CD3 + CD45RO	286 ± 414	110 ± 195	157 ± 193	140 ± 187	119 ± 192
CD3 + CD52	638 ± 933	310 ± 505	329 ± 514	382 ± 509	337 ± 517
CD3 + CD54	1135 ± 1441	695 ± 521	747 ± 597	865 ± 600	1098 ± 865
CD3 + CD56	10 ± 9	8 ± 6	15 ± 13	11 ± 10	7 ± 7
CD3 + CD58	162 ± 122	155 ± 130	119 ± 134	274 ± 268	219 ± 220
CD3 + CD62E	165 ± 360	33 ± 42	25 ± 39	37 ± 46	45 ± 55
CD3 + CD62P	285 ± 559	104 ± 141	127 ± 179	163 ± 221	242 ± 283
CD3 + CD68	166 ± 152	155 ± 151	213 ± 164	284 ± 337	295 ± 264
CD3 + CD7	502 ± 851	176 ± 156	271 ± 239	200 ± 145	212 ± 173
CD3 + CD8a	191 ± 117	224 ± 141	196 ± 96	149 ± 92	176 ± 105
CD3 + CK14	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD3 + CLA	141 ± 162	96 ± 66	98 ± 67	91 ± 57	116 ± 97
CD3 + c-myc	27 ± 46	21 ± 46	50 ± 81	21 ± 46	21 ± 46
CD3 + Collagen IV	850 ± 1009	578 ± 437	652 ± 530	708 ± 601	880 ± 883
CD3 + FXIIIA	25 ± 28	36 ± 30	30 ± 32	33 ± 33	50 ± 63
CD3 + HLA-DR	1072 ± 953	750 ± 489	872 ± 553	890 ± 651	866 ± 486
CD3 + IL-22R	2 ± 4	2 ± 4	2 ± 4	2 ± 3	2 ± 4
CD3 + IL-23R	0 ± 1	0 ± 1	0 ± 1	3 ± 4	7 ± 18
CD3 + Ki67	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD3 + PI	984 ± 1013	664 ± 504	682 ± 489	822 ± 788	845 ± 605
CD3 + Podoplanin	613 ± 867	403 ± 726	389 ± 729	556 ± 778	350 ± 739
CD3 + SNA1	941 ± 1260	530 ± 421	639 ± 555	634 ± 572	844 ± 727
CD3 + STAT3	1 ± 1	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD3 + TIA1	119 ± 231	28 ± 28	48 ± 52	40 ± 31	51 ± 62
CD3 + Vimentin	654 ± 773	393 ± 341	460 ± 359	509 ± 367	472 ± 447

Tabelle 385: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	3931 ± 2614	3071 ± 2317	3300 ± 2236	3957 ± 3422	3909 ± 2607
CD31 + BCL2	76 ± 91	37 ± 35	34 ± 37	34 ± 37	44 ± 36
CD31 + CCR6	14 ± 14	9 ± 10	9 ± 10	13 ± 8	18 ± 22
CD31 + CD11a	203 ± 373	73 ± 59	50 ± 44	55 ± 44	64 ± 48
CD31 + CD11b	256 ± 241	287 ± 306	165 ± 157	271 ± 266	337 ± 264
CD31 + CD120a	5 ± 7	4 ± 7	4 ± 7	6 ± 8	4 ± 7
CD31 + CD120b	27 ± 45	25 ± 27	9 ± 10	40 ± 78	27 ± 36
CD31 + CD138	0 ± 1	0 ± 0	5 ± 12	6 ± 16	0 ± 0
CD31 + CD15	61 ± 96	37 ± 65	29 ± 65	83 ± 140	31 ± 64
CD31 + CD1a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD31 + CD2	317 ± 455	177 ± 149	130 ± 142	167 ± 117	429 ± 730
CD31 + CD207	4 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD31 + CD24	14 ± 21	11 ± 8	16 ± 16	7 ± 5	12 ± 9
CD31 + CD28	250 ± 507	54 ± 41	47 ± 45	120 ± 123	102 ± 103
CD31 + CD29	5873 ± 3666	4442 ± 3636	5350 ± 3267	5321 ± 3307	5931 ± 3386
CD31 + CD3	583 ± 906	312 ± 288	321 ± 315	518 ± 540	630 ± 657
CD31 + CD4	2121 ± 2365	1400 ± 1327	1330 ± 1347	1813 ± 1765	2199 ± 1818
CD31 + CD44	1325 ± 1651	938 ± 644	858 ± 570	916 ± 792	1248 ± 1086
CD31 + CD45	182 ± 401	38 ± 43	30 ± 37	62 ± 92	39 ± 45
CD31 + CD45RA	146 ± 177	90 ± 78	69 ± 58	86 ± 73	89 ± 93
CD31 + CD45RO	42 ± 85	10 ± 13	8 ± 12	13 ± 13	10 ± 12
CD31 + CD52	311 ± 604	80 ± 80	73 ± 74	220 ± 327	148 ± 226
CD31 + CD54	6265 ± 4744	4414 ± 4215	5076 ± 3845	5918 ± 3913	5803 ± 3822
CD31 + CD56	28 ± 60	27 ± 60	28 ± 60	28 ± 60	26 ± 60
CD31 + CD58	1353 ± 992	1159 ± 1027	1086 ± 1030	1538 ± 1058	1380 ± 1228
CD31 + CD62E	718 ± 507	456 ± 487	522 ± 453	562 ± 464	485 ± 462
CD31 + CD62P	2769 ± 2010	2302 ± 1997	2510 ± 1842	2956 ± 2178	2880 ± 1836
CD31 + CD68	1738 ± 1098	1644 ± 1197	2032 ± 969	1993 ± 1404	2111 ± 1096
CD31 + CD7	302 ± 585	130 ± 88	134 ± 92	98 ± 73	150 ± 187
CD31 + CD8a	57 ± 61	63 ± 61	41 ± 32	46 ± 40	62 ± 70
CD31 + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD31 + CLA	32 ± 41	20 ± 20	19 ± 19	19 ± 19	48 ± 75
CD31 + c-myc	614 ± 1375	571 ± 1392	654 ± 1370	571 ± 1392	577 ± 1389
CD31 + Collagen IV	4540 ± 3204	3265 ± 2500	3823 ± 2301	4650 ± 2686	4421 ± 2967
CD31 + FXIIIA	135 ± 114	176 ± 101	129 ± 121	165 ± 109	228 ± 149
CD31 + HLA-DR	3990 ± 2729	3304 ± 2865	3638 ± 2676	4076 ± 3248	3953 ± 2642
CD31 + IL-22R	7 ± 13	15 ± 21	7 ± 13	8 ± 13	7 ± 13
CD31 + IL-23R	36 ± 38	26 ± 36	26 ± 36	32 ± 33	105 ± 200
CD31 + Ki67	5 ± 11	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD31 + PI	3450 ± 2174	2620 ± 1857	2868 ± 1753	3425 ± 2304	3392 ± 1868
CD31 + Podoplanin	363 ± 520	174 ± 180	149 ± 145	192 ± 218	115 ± 123
CD31 + SNA1	5699 ± 4144	4129 ± 3593	4897 ± 3318	5460 ± 3486	5419 ± 3448
CD31 + STAT3	53 ± 107	77 ± 115	54 ± 107	52 ± 108	52 ± 108
CD31 + TIA1	195 ± 291	87 ± 87	112 ± 89	99 ± 86	101 ± 96
CD31 + Vimentin	3262 ± 2015	2468 ± 1952	2930 ± 1914	3247 ± 1819	2844 ± 1914

Tabelle 386: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	1348 ± 1544	1130 ± 1304	1020 ± 1334	1461 ± 1892	1706 ± 1948
CD4 + BCL2	121 ± 199	46 ± 38	42 ± 35	43 ± 37	56 ± 45
CD4 + CCR6	77 ± 92	43 ± 63	48 ± 60	52 ± 60	59 ± 64
CD4 + CD11a	719 ± 909	376 ± 329	376 ± 342	362 ± 333	388 ± 321
CD4 + CD11b	391 ± 319	477 ± 415	283 ± 290	375 ± 287	545 ± 358
CD4 + CD120a	3 ± 4	2 ± 3	3 ± 3	2 ± 3	2 ± 3
CD4 + CD120b	55 ± 98	32 ± 37	24 ± 26	26 ± 23	39 ± 42
CD4 + CD138	1 ± 3	0 ± 0	2 ± 4	2 ± 6	0 ± 0
CD4 + CD15	16 ± 26	15 ± 24	7 ± 8	36 ± 49	7 ± 8
CD4 + CD1a	6 ± 15	8 ± 15	6 ± 15	6 ± 15	6 ± 15
CD4 + CD2	793 ± 926	461 ± 305	441 ± 314	463 ± 295	736 ± 774
CD4 + CD207	30 ± 58	23 ± 58	23 ± 58	22 ± 58	23 ± 58
CD4 + CD24	23 ± 39	14 ± 12	13 ± 11	12 ± 9	17 ± 16
CD4 + CD28	692 ± 972	301 ± 423	310 ± 418	435 ± 397	373 ± 405
CD4 + CD29	2464 ± 2525	1757 ± 2021	1785 ± 2024	2063 ± 2190	2731 ± 2351
CD4 + CD3	1326 ± 1520	859 ± 636	872 ± 619	1035 ± 707	1220 ± 833
CD4 + CD31	2121 ± 2365	1400 ± 1327	1330 ± 1347	1813 ± 1765	2199 ± 1818
CD4 + CD44	1606 ± 1898	1024 ± 810	1046 ± 812	1018 ± 862	1311 ± 1025
CD4 + CD45	654 ± 950	282 ± 224	308 ± 237	285 ± 241	288 ± 225
CD4 + CD45RA	208 ± 290	105 ± 86	82 ± 59	95 ± 55	102 ± 74
CD4 + CD45RO	306 ± 451	118 ± 198	149 ± 195	137 ± 192	121 ± 197
CD4 + CD52	681 ± 1039	325 ± 534	311 ± 539	359 ± 526	370 ± 556
CD4 + CD54	3122 ± 3302	2022 ± 1854	2009 ± 1873	2324 ± 1989	2988 ± 2128
CD4 + CD56	48 ± 47	43 ± 45	46 ± 45	41 ± 47	40 ± 48
CD4 + CD58	507 ± 330	430 ± 334	362 ± 381	607 ± 576	576 ± 457
CD4 + CD62E	374 ± 472	183 ± 237	173 ± 244	247 ± 260	204 ± 229
CD4 + CD62P	959 ± 1015	663 ± 837	712 ± 828	939 ± 1025	1059 ± 960
CD4 + CD68	755 ± 744	712 ± 751	738 ± 740	949 ± 942	1054 ± 883
CD4 + CD7	538 ± 964	180 ± 135	222 ± 140	196 ± 119	227 ± 179
CD4 + CD8a	119 ± 108	168 ± 155	80 ± 46	83 ± 43	114 ± 79
CD4 + CK14	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD4 + CLA	159 ± 197	102 ± 79	95 ± 81	95 ± 74	124 ± 105
CD4 + c-myc	75 ± 139	63 ± 143	109 ± 170	62 ± 143	69 ± 141
CD4 + Collagen IV	2253 ± 2414	1554 ± 1427	1499 ± 1455	1742 ± 1659	2333 ± 2126
CD4 + FXIIIA	105 ± 116	137 ± 104	109 ± 115	113 ± 114	181 ± 135
CD4 + HLA-DR	2339 ± 1924	1814 ± 1550	1837 ± 1562	2054 ± 1736	2248 ± 1530
CD4 + IL-22R	4 ± 5	4 ± 5	4 ± 5	4 ± 5	4 ± 5
CD4 + IL-23R	8 ± 13	8 ± 13	8 ± 13	11 ± 12	75 ± 175
CD4 + Ki67	6 ± 13	1 ± 4	1 ± 4	1 ± 4	2 ± 4
CD4 + PI	2033 ± 1995	1440 ± 1271	1331 ± 1315	1669 ± 1551	1936 ± 1453
CD4 + Podoplanin	855 ± 1134	575 ± 952	525 ± 966	631 ± 947	526 ± 964
CD4 + SNA1	2647 ± 2887	1699 ± 1614	1703 ± 1639	1944 ± 1857	2518 ± 1925
CD4 + STAT3	5 ± 9	4 ± 9	6 ± 9	4 ± 9	4 ± 9
CD4 + TIA1	165 ± 320	43 ± 73	45 ± 72	56 ± 73	70 ± 95
CD4 + Vimentin	1391 ± 1210	927 ± 528	925 ± 542	1058 ± 582	1136 ± 763

Tabelle 387: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1254 ± 1282	1356 ± 1315	1012 ± 630	1013 ± 1001	1398 ± 1479
CD44 + BCL2	95 ± 148	45 ± 42	39 ± 36	37 ± 38	47 ± 40
CD44 + CCR6	112 ± 122	61 ± 64	71 ± 54	69 ± 56	83 ± 64
CD44 + CD11a	684 ± 834	329 ± 149	374 ± 208	306 ± 165	332 ± 146
CD44 + CD11b	405 ± 261	469 ± 279	341 ± 269	378 ± 254	543 ± 273
CD44 + CD120a	5 ± 6	3 ± 5	5 ± 5	4 ± 5	3 ± 5
CD44 + CD120b	143 ± 146	88 ± 40	97 ± 76	90 ± 51	107 ± 60
CD44 + CD138	18 ± 29	7 ± 11	15 ± 18	10 ± 12	7 ± 11
CD44 + CD15	36 ± 40	33 ± 32	28 ± 21	49 ± 46	23 ± 17
CD44 + CD1a	3 ± 6	5 ± 8	2 ± 6	2 ± 6	2 ± 6
CD44 + CD2	583 ± 759	302 ± 174	326 ± 183	272 ± 192	450 ± 443
CD44 + CD207	16 ± 27	9 ± 21	11 ± 21	8 ± 21	9 ± 21
CD44 + CD24	134 ± 103	102 ± 96	161 ± 169	115 ± 106	130 ± 98
CD44 + CD28	507 ± 726	199 ± 204	216 ± 197	261 ± 183	249 ± 203
CD44 + CD29	2170 ± 1681	1647 ± 919	1865 ± 872	1528 ± 1036	2193 ± 1393
CD44 + CD3	1017 ± 1242	575 ± 304	717 ± 387	658 ± 393	696 ± 430
CD44 + CD31	1325 ± 1651	938 ± 644	858 ± 570	916 ± 792	1248 ± 1086
CD44 + CD4	1606 ± 1898	1024 ± 810	1046 ± 812	1018 ± 862	1311 ± 1025
CD44 + CD45	623 ± 900	250 ± 125	321 ± 204	234 ± 143	257 ± 129
CD44 + CD45RA	380 ± 412	210 ± 76	192 ± 81	168 ± 105	228 ± 93
CD44 + CD45RO	240 ± 375	80 ± 93	116 ± 99	92 ± 86	83 ± 92
CD44 + CD52	544 ± 852	209 ± 256	236 ± 285	212 ± 251	261 ± 319
CD44 + CD54	2622 ± 2445	2067 ± 1114	1983 ± 903	1787 ± 1032	2383 ± 1317
CD44 + CD56	87 ± 57	113 ± 67	87 ± 44	70 ± 54	74 ± 51
CD44 + CD58	383 ± 239	649 ± 1015	257 ± 220	354 ± 250	404 ± 412
CD44 + CD62E	219 ± 348	68 ± 63	70 ± 61	96 ± 89	75 ± 62
CD44 + CD62P	699 ± 789	541 ± 410	464 ± 305	522 ± 452	638 ± 479
CD44 + CD68	361 ± 255	372 ± 229	429 ± 226	355 ± 259	456 ± 290
CD44 + CD7	498 ± 896	182 ± 84	275 ± 288	162 ± 77	190 ± 142
CD44 + CD8a	192 ± 102	209 ± 78	193 ± 77	137 ± 61	171 ± 70
CD44 + CK14	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD44 + CLA	158 ± 167	114 ± 60	140 ± 108	100 ± 65	136 ± 98
CD44 + c-myc	177 ± 324	160 ± 329	189 ± 325	156 ± 331	166 ± 327
CD44 + Collagen IV	2175 ± 2080	1758 ± 1011	1836 ± 872	1406 ± 861	2091 ± 1751
CD44 + FXIIIA	128 ± 101	199 ± 174	127 ± 100	118 ± 96	187 ± 127
CD44 + HLA-DR	2946 ± 1738	2720 ± 1300	2737 ± 967	2365 ± 1366	2833 ± 1217
CD44 + IL-22R	2 ± 2	14 ± 31	2 ± 2	2 ± 2	2 ± 2
CD44 + IL-23R	4 ± 5	5 ± 5	4 ± 5	4 ± 5	36 ± 82
CD44 + Ki67	1 ± 2	0 ± 1	0 ± 0	0 ± 0	4 ± 10
CD44 + PI	1685 ± 1481	1378 ± 668	1265 ± 516	1218 ± 802	1495 ± 866
CD44 + Podoplanin	1191 ± 994	993 ± 535	779 ± 542	850 ± 485	905 ± 511
CD44 + SNA1	2535 ± 2289	1974 ± 1133	2012 ± 921	1595 ± 1014	2185 ± 1169
CD44 + STAT3	21 ± 24	41 ± 72	16 ± 18	13 ± 19	13 ± 18
CD44 + TIA1	171 ± 314	56 ± 41	64 ± 48	54 ± 41	75 ± 77
CD44 + Vimentin	1678 ± 1313	1519 ± 665	1357 ± 287	1151 ± 485	1423 ± 586

Tabelle 388: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	118 ± 255	44 ± 58	20 ± 19	14 ± 14	37 ± 73
CD45 + BCL2	81 ± 138	31 ± 25	30 ± 20	28 ± 23	30 ± 20
CD45 + CCR6	68 ± 89	34 ± 50	39 ± 47	40 ± 47	42 ± 48
CD45 + CD11a	591 ± 775	253 ± 199	308 ± 231	248 ± 210	253 ± 198
CD45 + CD11b	149 ± 141	120 ± 57	89 ± 56	88 ± 57	108 ± 45
CD45 + CD120a	1 ± 3	0 ± 1	1 ± 1	2 ± 4	0 ± 1
CD45 + CD120b	51 ± 87	16 ± 16	22 ± 25	21 ± 23	17 ± 16
CD45 + CD138	1 ± 3	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD45 + CD15	3 ± 5	2 ± 3	2 ± 2	11 ± 27	1 ± 2
CD45 + CD1a	2 ± 4	4 ± 7	2 ± 4	2 ± 4	2 ± 4
CD45 + CD2	492 ± 655	228 ± 188	269 ± 198	234 ± 197	243 ± 191
CD45 + CD207	13 ± 23	6 ± 14	7 ± 14	5 ± 14	5 ± 14
CD45 + CD24	22 ± 33	7 ± 6	13 ± 18	8 ± 9	6 ± 5
CD45 + CD28	432 ± 613	170 ± 216	189 ± 210	212 ± 214	187 ± 208
CD45 + CD29	315 ± 512	106 ± 84	120 ± 86	105 ± 89	118 ± 83
CD45 + CD3	629 ± 826	284 ± 223	348 ± 252	302 ± 238	296 ± 222
CD45 + CD31	182 ± 401	38 ± 43	30 ± 37	62 ± 92	39 ± 45
CD45 + CD4	654 ± 950	282 ± 224	308 ± 237	285 ± 241	288 ± 225
CD45 + CD44	623 ± 900	250 ± 125	321 ± 204	234 ± 143	257 ± 129
CD45 + CD45RA	145 ± 223	56 ± 38	61 ± 33	45 ± 30	45 ± 28
CD45 + CD45RO	273 ± 410	90 ± 158	131 ± 157	107 ± 154	95 ± 156
CD45 + CD52	379 ± 545	164 ± 237	189 ± 253	189 ± 252	160 ± 241
CD45 + CD54	573 ± 928	227 ± 155	228 ± 156	230 ± 183	231 ± 157
CD45 + CD56	8 ± 11	4 ± 5	7 ± 8	4 ± 5	4 ± 5
CD45 + CD58	79 ± 73	53 ± 56	40 ± 58	82 ± 110	47 ± 55
CD45 + CD62E	39 ± 102	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD45 + CD62P	70 ± 176	6 ± 10	6 ± 7	12 ± 23	3 ± 6
CD45 + CD68	65 ± 75	39 ± 51	49 ± 50	42 ± 49	46 ± 48
CD45 + CD7	336 ± 565	111 ± 92	183 ± 186	116 ± 93	112 ± 91
CD45 + CD8a	134 ± 97	104 ± 37	115 ± 74	77 ± 47	95 ± 45
CD45 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CLA	109 ± 153	59 ± 33	67 ± 53	52 ± 34	63 ± 43
CD45 + c-myc	6 ± 10	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD45 + Collagen IV	322 ± 558	107 ± 65	121 ± 93	109 ± 94	110 ± 93
CD45 + FXIIIA	15 ± 16	11 ± 8	11 ± 9	10 ± 8	11 ± 7
CD45 + HLA-DR	569 ± 689	259 ± 147	306 ± 167	240 ± 166	256 ± 152
CD45 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD45 + IL-23R	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD45 + Ki67	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + PI	522 ± 708	234 ± 188	252 ± 194	199 ± 210	226 ± 196
CD45 + Podoplanin	351 ± 521	154 ± 270	161 ± 273	184 ± 280	135 ± 276
CD45 + SNA1	435 ± 808	110 ± 64	135 ± 95	107 ± 86	102 ± 68
CD45 + STAT3	1 ± 2	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD45 + TIA1	61 ± 87	26 ± 30	34 ± 28	27 ± 29	33 ± 34
CD45 + Vimentin	344 ± 513	142 ± 122	156 ± 131	150 ± 145	134 ± 130

Tabelle 389: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	129 ± 172	100 ± 108	55 ± 13	69 ± 73	73 ± 75
CD45RA + BCL2	21 ± 34	12 ± 16	7 ± 7	8 ± 7	7 ± 7
CD45RA + CCR6	60 ± 82	29 ± 41	40 ± 43	30 ± 40	33 ± 39
CD45RA + CD11a	198 ± 248	88 ± 39	88 ± 36	71 ± 32	65 ± 39
CD45RA + CD11b	74 ± 53	110 ± 117	76 ± 41	73 ± 50	83 ± 46
CD45RA + CD120a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD120b	63 ± 86	18 ± 12	18 ± 15	14 ± 14	32 ± 27
CD45RA + CD138	30 ± 43	14 ± 23	19 ± 24	14 ± 23	14 ± 23
CD45RA + CD15	19 ± 26	11 ± 19	12 ± 19	11 ± 19	11 ± 19
CD45RA + CD1a	0 ± 1	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD2	107 ± 138	71 ± 69	58 ± 43	54 ± 46	64 ± 57
CD45RA + CD207	2 ± 4	2 ± 4	2 ± 4	1 ± 4	1 ± 4
CD45RA + CD24	60 ± 62	23 ± 30	28 ± 30	22 ± 31	43 ± 37
CD45RA + CD28	85 ± 141	22 ± 14	22 ± 15	26 ± 18	24 ± 16
CD45RA + CD29	277 ± 246	164 ± 73	161 ± 37	130 ± 66	178 ± 81
CD45RA + CD3	169 ± 215	85 ± 60	79 ± 36	73 ± 37	77 ± 45
CD45RA + CD31	146 ± 177	90 ± 78	69 ± 58	86 ± 73	89 ± 93
CD45RA + CD4	208 ± 290	105 ± 86	82 ± 59	95 ± 55	102 ± 74
CD45RA + CD44	380 ± 412	210 ± 76	192 ± 81	168 ± 105	228 ± 93
CD45RA + CD45	145 ± 223	56 ± 38	61 ± 33	45 ± 30	45 ± 28
CD45RA + CD45RO	52 ± 80	18 ± 21	25 ± 23	17 ± 21	16 ± 22
CD45RA + CD52	94 ± 146	27 ± 32	19 ± 20	19 ± 16	23 ± 26
CD45RA + CD54	324 ± 408	176 ± 96	156 ± 89	158 ± 94	174 ± 105
CD45RA + CD56	51 ± 60	31 ± 49	39 ± 48	31 ± 49	36 ± 47
CD45RA + CD58	75 ± 57	57 ± 47	36 ± 43	44 ± 39	43 ± 39
CD45RA + CD62E	13 ± 19	5 ± 10	12 ± 20	6 ± 10	5 ± 10
CD45RA + CD62P	62 ± 76	38 ± 25	43 ± 31	53 ± 67	46 ± 49
CD45RA + CD68	66 ± 54	34 ± 35	44 ± 32	43 ± 31	47 ± 42
CD45RA + CD7	148 ± 213	97 ± 69	103 ± 71	68 ± 47	72 ± 54
CD45RA + CD8a	50 ± 34	48 ± 29	49 ± 29	44 ± 31	41 ± 33
CD45RA + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CLA	49 ± 54	39 ± 26	34 ± 24	31 ± 27	31 ± 25
CD45RA + c-myc	39 ± 45	21 ± 29	30 ± 32	21 ± 29	21 ± 29
CD45RA + Collagen IV	231 ± 262	138 ± 92	103 ± 73	97 ± 72	135 ± 109
CD45RA + FXIIIA	41 ± 50	26 ± 36	34 ± 40	25 ± 37	30 ± 34
CD45RA + HLA-DR	405 ± 300	258 ± 86	251 ± 77	230 ± 111	267 ± 84
CD45RA + IL-22R	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD45RA + IL-23R	1 ± 2	1 ± 2	2 ± 2	1 ± 2	1 ± 2
CD45RA + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + PI	291 ± 297	190 ± 84	159 ± 60	157 ± 83	187 ± 70
CD45RA + Podoplanin	243 ± 209	115 ± 84	109 ± 86	108 ± 88	128 ± 76
CD45RA + SNA1	303 ± 340	141 ± 64	140 ± 41	109 ± 51	144 ± 53
CD45RA + STAT3	36 ± 46	22 ± 36	29 ± 37	21 ± 36	21 ± 36
CD45RA + TIA1	107 ± 126	69 ± 77	96 ± 79	76 ± 80	80 ± 86
CD45RA + Vimentin	201 ± 233	95 ± 55	94 ± 33	87 ± 38	87 ± 46

Tabelle 390: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	41 ± 56	13 ± 14	19 ± 14	18 ± 19	23 ± 28
CD45RO + BCL2	53 ± 103	13 ± 17	14 ± 16	14 ± 18	11 ± 16
CD45RO + CCR6	59 ± 84	26 ± 38	30 ± 35	30 ± 36	28 ± 37
CD45RO + CD11a	265 ± 380	95 ± 170	132 ± 170	111 ± 166	99 ± 168
CD45RO + CD11b	56 ± 65	38 ± 32	34 ± 28	36 ± 26	31 ± 28
CD45RO + CD120a	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD120b	25 ± 48	6 ± 12	9 ± 13	10 ± 14	6 ± 12
CD45RO + CD138	18 ± 25	9 ± 17	12 ± 16	9 ± 17	9 ± 16
CD45RO + CD15	10 ± 16	5 ± 7	6 ± 7	11 ± 18	4 ± 7
CD45RO + CD1a	2 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD45RO + CD2	289 ± 419	111 ± 187	153 ± 182	130 ± 181	121 ± 183
CD45RO + CD207	12 ± 21	6 ± 17	7 ± 17	6 ± 17	6 ± 17
CD45RO + CD24	5 ± 11	1 ± 1	1 ± 2	3 ± 6	1 ± 1
CD45RO + CD28	226 ± 338	85 ± 170	100 ± 165	110 ± 163	91 ± 167
CD45RO + CD29	109 ± 174	36 ± 24	49 ± 22	36 ± 21	39 ± 24
CD45RO + CD3	286 ± 414	110 ± 195	157 ± 193	140 ± 187	119 ± 192
CD45RO + CD31	42 ± 85	10 ± 13	8 ± 12	13 ± 13	10 ± 12
CD45RO + CD4	306 ± 451	118 ± 198	149 ± 195	137 ± 192	121 ± 197
CD45RO + CD44	240 ± 375	80 ± 93	116 ± 99	92 ± 86	83 ± 92
CD45RO + CD45	273 ± 410	90 ± 158	131 ± 157	107 ± 154	95 ± 156
CD45RO + CD45RA	52 ± 80	18 ± 21	25 ± 23	17 ± 21	16 ± 22
CD45RO + CD52	204 ± 302	84 ± 185	104 ± 185	99 ± 182	86 ± 184
CD45RO + CD54	226 ± 375	79 ± 113	92 ± 107	81 ± 110	81 ± 111
CD45RO + CD56	24 ± 31	13 ± 24	22 ± 23	13 ± 24	14 ± 24
CD45RO + CD58	41 ± 49	23 ± 43	24 ± 42	31 ± 43	24 ± 43
CD45RO + CD62E	6 ± 11	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CD62P	10 ± 17	2 ± 2	3 ± 3	2 ± 2	2 ± 2
CD45RO + CD68	44 ± 61	25 ± 39	29 ± 37	23 ± 39	24 ± 39
CD45RO + CD7	156 ± 249	48 ± 74	79 ± 79	62 ± 70	50 ± 73
CD45RO + CD8a	46 ± 43	25 ± 31	36 ± 31	26 ± 30	28 ± 31
CD45RO + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CLA	73 ± 134	22 ± 33	27 ± 34	24 ± 33	24 ± 34
CD45RO + c-myc	17 ± 27	6 ± 10	10 ± 12	6 ± 10	6 ± 10
CD45RO + Collagen IV	110 ± 161	37 ± 52	58 ± 58	42 ± 49	46 ± 53
CD45RO + FXIIIA	23 ± 25	14 ± 9	16 ± 13	13 ± 9	12 ± 9
CD45RO + HLA-DR	236 ± 291	96 ± 120	124 ± 111	104 ± 115	94 ± 120
CD45RO + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + IL-23R	1 ± 1	1 ± 1	1 ± 2	1 ± 1	1 ± 1
CD45RO + Ki67	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + PI	268 ± 394	100 ± 172	123 ± 166	107 ± 170	106 ± 170
CD45RO + Podoplanin	230 ± 339	102 ± 200	119 ± 196	125 ± 195	97 ± 202
CD45RO + SNA1	170 ± 313	37 ± 32	66 ± 51	38 ± 29	37 ± 31
CD45RO + STAT3	21 ± 30	12 ± 24	16 ± 24	12 ± 24	12 ± 24
CD45RO + TIA1	26 ± 32	12 ± 11	21 ± 21	14 ± 10	15 ± 11
CD45RO + Vimentin	186 ± 298	66 ± 106	84 ± 102	74 ± 102	64 ± 106

Tabelle 391: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	220 ± 363	67 ± 83	38 ± 38	60 ± 81	165 ± 356
CD52 + BCL2	67 ± 121	23 ± 25	21 ± 22	21 ± 23	19 ± 21
CD52 + CCR6	64 ± 94	31 ± 57	33 ± 55	38 ± 55	38 ± 56
CD52 + CD11a	400 ± 527	195 ± 286	209 ± 298	191 ± 289	183 ± 291
CD52 + CD11b	80 ± 112	102 ± 134	56 ± 109	76 ± 103	81 ± 112
CD52 + CD120a	1 ± 2	1 ± 2	1 ± 2	2 ± 4	1 ± 2
CD52 + CD120b	45 ± 60	18 ± 27	20 ± 30	30 ± 49	16 ± 25
CD52 + CD138	6 ± 14	1 ± 1	9 ± 22	1 ± 2	1 ± 1
CD52 + CD15	14 ± 28	7 ± 10	4 ± 5	18 ± 38	5 ± 6
CD52 + CD1a	3 ± 9	4 ± 9	3 ± 9	3 ± 9	3 ± 9
CD52 + CD2	428 ± 614	203 ± 286	211 ± 295	210 ± 289	241 ± 315
CD52 + CD207	22 ± 44	17 ± 45	17 ± 45	17 ± 45	17 ± 45
CD52 + CD24	20 ± 27	6 ± 8	16 ± 26	10 ± 10	6 ± 8
CD52 + CD28	393 ± 580	176 ± 362	188 ± 357	231 ± 353	201 ± 356
CD52 + CD29	375 ± 580	116 ± 100	123 ± 115	185 ± 167	205 ± 302
CD52 + CD3	638 ± 933	310 ± 505	329 ± 514	382 ± 509	337 ± 517
CD52 + CD31	311 ± 604	80 ± 80	73 ± 74	220 ± 327	148 ± 226
CD52 + CD4	681 ± 1039	325 ± 534	311 ± 539	359 ± 526	370 ± 556
CD52 + CD44	544 ± 852	209 ± 256	236 ± 285	212 ± 251	261 ± 319
CD52 + CD45	379 ± 545	164 ± 237	189 ± 253	189 ± 252	160 ± 241
CD52 + CD45RA	94 ± 146	27 ± 32	19 ± 20	19 ± 16	23 ± 26
CD52 + CD45RO	204 ± 302	84 ± 185	104 ± 185	99 ± 182	86 ± 184
CD52 + CD54	598 ± 898	237 ± 299	220 ± 303	350 ± 397	320 ± 411
CD52 + CD56	11 ± 19	3 ± 4	8 ± 13	4 ± 3	3 ± 4
CD52 + CD58	87 ± 91	61 ± 87	55 ± 90	190 ± 319	54 ± 90
CD52 + CD62E	181 ± 299	26 ± 45	22 ± 46	24 ± 45	28 ± 46
CD52 + CD62P	255 ± 450	40 ± 50	35 ± 48	98 ± 143	94 ± 162
CD52 + CD68	91 ± 132	73 ± 130	77 ± 130	82 ± 128	90 ± 133
CD52 + CD7	328 ± 626	89 ± 144	134 ± 188	102 ± 144	114 ± 158
CD52 + CD8a	113 ± 125	93 ± 96	90 ± 110	67 ± 89	83 ± 99
CD52 + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD52 + CLA	83 ± 118	52 ± 55	44 ± 52	41 ± 50	51 ± 59
CD52 + c-myc	36 ± 75	29 ± 76	29 ± 76	29 ± 76	29 ± 76
CD52 + Collagen IV	435 ± 605	210 ± 329	216 ± 334	309 ± 388	302 ± 429
CD52 + FXIIIA	20 ± 21	14 ± 13	12 ± 15	15 ± 13	14 ± 14
CD52 + HLA-DR	621 ± 718	282 ± 435	284 ± 441	318 ± 426	334 ± 465
CD52 + IL-22R	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD52 + IL-23R	0 ± 0	0 ± 0	0 ± 0	3 ± 7	3 ± 7
CD52 + Ki67	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + PI	499 ± 667	271 ± 421	265 ± 427	284 ± 414	314 ± 447
CD52 + Podoplanin	474 ± 744	310 ± 716	309 ± 717	370 ± 724	280 ± 726
CD52 + SNA1	499 ± 744	161 ± 175	168 ± 188	257 ± 269	204 ± 241
CD52 + STAT3	7 ± 13	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD52 + TIA1	92 ± 194	17 ± 31	17 ± 31	20 ± 30	33 ± 52
CD52 + Vimentin	425 ± 571	208 ± 388	220 ± 392	317 ± 451	232 ± 396

Tabelle 392: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	5103 ± 3089	3977 ± 3029	4136 ± 2897	4562 ± 3680	4961 ± 3313
CD54 + BCL2	129 ± 192	53 ± 38	47 ± 39	45 ± 40	66 ± 48
CD54 + CCR6	75 ± 88	42 ± 54	45 ± 51	46 ± 50	56 ± 54
CD54 + CD11a	638 ± 892	309 ± 224	282 ± 230	270 ± 235	317 ± 222
CD54 + CD11b	529 ± 444	531 ± 387	373 ± 317	434 ± 317	670 ± 409
CD54 + CD120a	11 ± 11	7 ± 11	8 ± 10	9 ± 10	7 ± 10
CD54 + CD120b	84 ± 140	52 ± 38	37 ± 29	57 ± 71	52 ± 38
CD54 + CD138	4 ± 10	0 ± 0	8 ± 20	6 ± 17	0 ± 0
CD54 + CD15	91 ± 136	53 ± 80	43 ± 80	91 ± 133	48 ± 79
CD54 + CD1a	5 ± 11	7 ± 12	4 ± 11	4 ± 11	4 ± 11
CD54 + CD2	686 ± 847	392 ± 271	352 ± 288	375 ± 269	709 ± 859
CD54 + CD207	25 ± 44	17 ± 42	17 ± 42	16 ± 42	17 ± 42
CD54 + CD24	48 ± 72	32 ± 23	37 ± 37	19 ± 16	39 ± 40
CD54 + CD28	581 ± 883	224 ± 271	223 ± 272	308 ± 250	289 ± 262
CD54 + CD29	7290 ± 3986	5291 ± 4450	6369 ± 3799	5979 ± 3982	6985 ± 3788
CD54 + CD3	1135 ± 1441	695 ± 521	747 ± 597	865 ± 600	1098 ± 865
CD54 + CD31	6265 ± 4744	4414 ± 4215	5076 ± 3845	5918 ± 3913	5803 ± 3822
CD54 + CD4	3122 ± 3302	2022 ± 1854	2009 ± 1873	2324 ± 1989	2988 ± 2128
CD54 + CD44	2622 ± 2445	2067 ± 1114	1983 ± 903	1787 ± 1032	2383 ± 1317
CD54 + CD45	573 ± 928	227 ± 155	228 ± 156	230 ± 183	231 ± 157
CD54 + CD45RA	324 ± 408	176 ± 96	156 ± 89	158 ± 94	174 ± 105
CD54 + CD45RO	226 ± 375	79 ± 113	92 ± 107	81 ± 110	81 ± 111
CD54 + CD52	598 ± 898	237 ± 299	220 ± 303	350 ± 397	320 ± 411
CD54 + CD56	93 ± 159	86 ± 161	89 ± 160	84 ± 162	83 ± 162
CD54 + CD58	1623 ± 1313	1470 ± 1389	1138 ± 1256	1623 ± 1198	1537 ± 1448
CD54 + CD62E	837 ± 524	486 ± 514	573 ± 478	591 ± 484	516 ± 488
CD54 + CD62P	3116 ± 1937	2431 ± 2011	2743 ± 1795	3065 ± 2097	3021 ± 1784
CD54 + CD68	1748 ± 971	1518 ± 1212	1908 ± 879	1825 ± 1179	1979 ± 924
CD54 + CD7	546 ± 977	219 ± 113	280 ± 177	181 ± 123	256 ± 217
CD54 + CD8a	153 ± 124	195 ± 132	120 ± 61	112 ± 74	150 ± 101
CD54 + CK14	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD54 + CLA	139 ± 187	96 ± 73	82 ± 75	71 ± 74	117 ± 113
CD54 + c-myc	827 ± 1537	763 ± 1568	846 ± 1536	762 ± 1569	774 ± 1562
CD54 + Collagen IV	6265 ± 3975	4297 ± 3303	5096 ± 2917	5181 ± 2955	5627 ± 3324
CD54 + FXIIIA	196 ± 150	215 ± 135	195 ± 157	201 ± 152	296 ± 166
CD54 + HLA-DR	6011 ± 3249	4724 ± 3408	5311 ± 3051	5199 ± 3611	5411 ± 3055
CD54 + IL-22R	8 ± 14	21 ± 33	8 ± 14	8 ± 13	8 ± 14
CD54 + IL-23R	37 ± 40	25 ± 37	25 ± 37	30 ± 34	99 ± 188
CD54 + Ki67	8 ± 16	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD54 + PI	4624 ± 2750	3394 ± 2309	3654 ± 2126	3880 ± 2405	4187 ± 2108
CD54 + Podoplanin	927 ± 1192	479 ± 635	408 ± 659	531 ± 677	426 ± 648
CD54 + SNA1	7482 ± 5050	5013 ± 4167	6038 ± 3750	5827 ± 3820	6433 ± 3774
CD54 + STAT3	53 ± 106	80 ± 119	54 ± 105	51 ± 107	51 ± 107
CD54 + TIA1	254 ± 359	119 ± 109	177 ± 115	133 ± 107	152 ± 132
CD54 + Vimentin	4354 ± 2477	3086 ± 2190	3660 ± 2064	3658 ± 1921	3415 ± 2096

Tabelle 393: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	111 ± 168	93 ± 167	129 ± 171	99 ± 166	86 ± 170
CD56 + BCL2	1 ± 2	1 ± 1	2 ± 3	1 ± 1	1 ± 1
CD56 + CCR6	42 ± 56	22 ± 40	32 ± 42	22 ± 40	25 ± 38
CD56 + CD11a	7 ± 8	3 ± 4	9 ± 12	4 ± 4	4 ± 4
CD56 + CD11b	30 ± 35	32 ± 34	29 ± 36	30 ± 36	31 ± 35
CD56 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD56 + CD120b	2 ± 3	1 ± 2	2 ± 2	2 ± 2	2 ± 3
CD56 + CD138	28 ± 38	14 ± 22	19 ± 24	14 ± 22	14 ± 22
CD56 + CD15	16 ± 26	9 ± 20	10 ± 20	8 ± 20	8 ± 20
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	6 ± 7	3 ± 4	8 ± 12	3 ± 4	3 ± 4
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	3 ± 4	2 ± 4	5 ± 6	3 ± 4	6 ± 9
CD56 + CD28	5 ± 8	2 ± 2	3 ± 3	3 ± 3	2 ± 2
CD56 + CD29	166 ± 190	143 ± 190	197 ± 185	139 ± 193	145 ± 189
CD56 + CD3	10 ± 9	8 ± 6	15 ± 13	11 ± 10	7 ± 7
CD56 + CD31	28 ± 60	27 ± 60	28 ± 60	28 ± 60	26 ± 60
CD56 + CD4	48 ± 47	43 ± 45	46 ± 45	41 ± 47	40 ± 48
CD56 + CD44	87 ± 57	113 ± 67	87 ± 44	70 ± 54	74 ± 51
CD56 + CD45	8 ± 11	4 ± 5	7 ± 8	4 ± 5	4 ± 5
CD56 + CD45RA	51 ± 60	31 ± 49	39 ± 48	31 ± 49	36 ± 47
CD56 + CD45RO	24 ± 31	13 ± 24	22 ± 23	13 ± 24	14 ± 24
CD56 + CD52	11 ± 19	3 ± 4	8 ± 13	4 ± 3	3 ± 4
CD56 + CD54	93 ± 159	86 ± 161	89 ± 160	84 ± 162	83 ± 162
CD56 + CD58	60 ± 102	60 ± 102	65 ± 102	56 ± 102	52 ± 104
CD56 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	3 ± 5	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD56 + CD68	63 ± 47	49 ± 40	55 ± 36	45 ± 44	48 ± 40
CD56 + CD7	8 ± 7	5 ± 5	7 ± 6	5 ± 5	5 ± 5
CD56 + CD8a	6 ± 7	5 ± 7	5 ± 7	5 ± 7	5 ± 7
CD56 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CLA	8 ± 11	7 ± 11	8 ± 10	6 ± 11	7 ± 11
CD56 + c-myc	42 ± 47	24 ± 32	34 ± 34	24 ± 32	25 ± 31
CD56 + Collagen IV	140 ± 153	167 ± 144	176 ± 159	131 ± 155	134 ± 152
CD56 + FXIIIA	45 ± 57	35 ± 38	37 ± 44	27 ± 41	33 ± 39
CD56 + HLA-DR	115 ± 56	113 ± 49	123 ± 40	102 ± 63	113 ± 56
CD56 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + IL-23R	1 ± 1	1 ± 1	1 ± 2	1 ± 1	1 ± 1
CD56 + Ki67	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + PI	86 ± 123	81 ± 123	81 ± 122	76 ± 125	80 ± 123
CD56 + Podoplanin	104 ± 71	123 ± 89	88 ± 40	69 ± 58	91 ± 48
CD56 + SNA1	126 ± 100	118 ± 94	137 ± 89	99 ± 108	110 ± 100
CD56 + STAT3	38 ± 48	23 ± 39	32 ± 40	23 ± 39	23 ± 38
CD56 + TIA1	31 ± 46	18 ± 39	24 ± 38	18 ± 39	18 ± 39
CD56 + Vimentin	86 ± 43	101 ± 38	90 ± 37	71 ± 50	72 ± 49

Tabelle 394: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	1143 ± 887	1079 ± 1076	861 ± 793	1004 ± 938	926 ± 826
CD58 + BCL2	42 ± 42	24 ± 35	24 ± 35	27 ± 34	32 ± 36
CD58 + CCR6	30 ± 31	18 ± 22	19 ± 22	23 ± 21	20 ± 21
CD58 + CD11a	99 ± 89	72 ± 79	52 ± 81	70 ± 76	63 ± 76
CD58 + CD11b	59 ± 61	74 ± 61	47 ± 66	98 ± 109	92 ± 104
CD58 + CD120a	3 ± 4	3 ± 4	3 ± 4	5 ± 6	3 ± 4
CD58 + CD120b	20 ± 25	24 ± 31	9 ± 16	38 ± 71	15 ± 20
CD58 + CD138	12 ± 19	5 ± 8	7 ± 8	5 ± 8	5 ± 8
CD58 + CD15	23 ± 32	18 ± 31	16 ± 32	38 ± 40	19 ± 31
CD58 + CD1a	1 ± 2	3 ± 5	1 ± 2	1 ± 2	1 ± 2
CD58 + CD2	91 ± 74	83 ± 69	71 ± 78	86 ± 70	86 ± 67
CD58 + CD207	6 ± 11	5 ± 11	4 ± 11	4 ± 11	4 ± 11
CD58 + CD24	8 ± 9	11 ± 20	7 ± 8	8 ± 9	10 ± 17
CD58 + CD28	92 ± 87	65 ± 86	59 ± 89	122 ± 109	70 ± 83
CD58 + CD29	1716 ± 1276	1346 ± 1202	1353 ± 1219	1596 ± 1113	1584 ± 1372
CD58 + CD3	162 ± 122	155 ± 130	119 ± 134	274 ± 268	219 ± 220
CD58 + CD31	1353 ± 992	1159 ± 1027	1086 ± 1030	1538 ± 1058	1380 ± 1228
CD58 + CD4	507 ± 330	430 ± 334	362 ± 381	607 ± 576	576 ± 457
CD58 + CD44	383 ± 239	649 ± 1015	257 ± 220	354 ± 250	404 ± 412
CD58 + CD45	79 ± 73	53 ± 56	40 ± 58	82 ± 110	47 ± 55
CD58 + CD45RA	75 ± 57	57 ± 47	36 ± 43	44 ± 39	43 ± 39
CD58 + CD45RO	41 ± 49	23 ± 43	24 ± 42	31 ± 43	24 ± 43
CD58 + CD52	87 ± 91	61 ± 87	55 ± 90	190 ± 319	54 ± 90
CD58 + CD54	1623 ± 1313	1470 ± 1389	1138 ± 1256	1623 ± 1198	1537 ± 1448
CD58 + CD56	60 ± 102	60 ± 102	65 ± 102	56 ± 102	52 ± 104
CD58 + CD62E	158 ± 157	122 ± 169	125 ± 167	166 ± 178	123 ± 168
CD58 + CD62P	434 ± 456	544 ± 543	379 ± 485	645 ± 496	572 ± 565
CD58 + CD68	589 ± 389	468 ± 421	573 ± 413	581 ± 466	593 ± 393
CD58 + CD7	55 ± 47	76 ± 89	38 ± 40	60 ± 43	38 ± 38
CD58 + CD8a	21 ± 12	44 ± 60	18 ± 15	23 ± 12	21 ± 12
CD58 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD58 + CLA	20 ± 22	22 ± 27	12 ± 16	15 ± 16	15 ± 15
CD58 + c-myc	231 ± 428	188 ± 440	195 ± 437	188 ± 440	192 ± 438
CD58 + Collagen IV	1275 ± 1007	1044 ± 929	911 ± 839	1254 ± 893	1027 ± 875
CD58 + FXIIIA	47 ± 33	49 ± 44	35 ± 36	37 ± 35	45 ± 36
CD58 + HLA-DR	1148 ± 1049	1148 ± 1188	785 ± 930	1051 ± 945	1070 ± 1048
CD58 + IL-22R	3 ± 5	15 ± 32	3 ± 5	3 ± 5	3 ± 5
CD58 + IL-23R	20 ± 31	12 ± 26	12 ± 26	16 ± 25	17 ± 27
CD58 + Ki67	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD58 + PI	999 ± 691	915 ± 762	739 ± 702	993 ± 717	913 ± 742
CD58 + Podoplanin	187 ± 208	150 ± 198	95 ± 187	135 ± 201	100 ± 185
CD58 + SNA1	1476 ± 1219	1240 ± 1146	1008 ± 1002	1351 ± 979	1350 ± 1271
CD58 + STAT3	46 ± 61	66 ± 85	38 ± 64	38 ± 64	38 ± 64
CD58 + TIA1	29 ± 25	28 ± 28	18 ± 21	28 ± 21	19 ± 21
CD58 + Vimentin	1067 ± 825	968 ± 851	789 ± 739	1071 ± 731	830 ± 722

Tabelle 395: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	529 ± 344	327 ± 375	365 ± 355	418 ± 373	360 ± 356
CD62E + BCL2	9 ± 20	2 ± 2	2 ± 2	2 ± 2	2 ± 2
CD62E + CCR6	3 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD62E + CD11a	44 ± 92	3 ± 4	6 ± 9	3 ± 4	3 ± 4
CD62E + CD11b	58 ± 110	57 ± 110	54 ± 109	50 ± 110	57 ± 110
CD62E + CD120a	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	2 ± 3	3 ± 7	0 ± 1	1 ± 1	1 ± 1
CD62E + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD15	11 ± 13	8 ± 11	8 ± 11	25 ± 46	12 ± 15
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	91 ± 163	26 ± 28	20 ± 28	21 ± 27	41 ± 53
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	0 ± 1	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD62E + CD28	74 ± 170	4 ± 5	3 ± 5	4 ± 5	11 ± 18
CD62E + CD29	727 ± 426	450 ± 459	528 ± 423	533 ± 427	484 ± 431
CD62E + CD3	165 ± 360	33 ± 42	25 ± 39	37 ± 46	45 ± 55
CD62E + CD31	718 ± 507	456 ± 487	522 ± 453	562 ± 464	485 ± 462
CD62E + CD4	374 ± 472	183 ± 237	173 ± 244	247 ± 260	204 ± 229
CD62E + CD44	219 ± 348	68 ± 63	70 ± 61	96 ± 89	75 ± 62
CD62E + CD45	39 ± 102	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD62E + CD45RA	13 ± 19	5 ± 10	12 ± 20	6 ± 10	5 ± 10
CD62E + CD45RO	6 ± 11	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD52	181 ± 299	26 ± 45	22 ± 46	24 ± 45	28 ± 46
CD62E + CD54	837 ± 524	486 ± 514	573 ± 478	591 ± 484	516 ± 488
CD62E + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	158 ± 157	122 ± 169	125 ± 167	166 ± 178	123 ± 168
CD62E + CD62P	808 ± 484	481 ± 508	562 ± 471	589 ± 480	511 ± 482
CD62E + CD68	269 ± 214	237 ± 242	273 ± 225	306 ± 244	260 ± 225
CD62E + CD7	87 ± 220	4 ± 7	18 ± 37	5 ± 7	10 ± 18
CD62E + CD8a	6 ± 17	3 ± 8	3 ± 5	3 ± 7	0 ± 1
CD62E + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	106 ± 252	102 ± 254	102 ± 254	102 ± 254	102 ± 254
CD62E + Collagen IV	357 ± 336	193 ± 241	210 ± 233	221 ± 235	215 ± 234
CD62E + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + HLA-DR	590 ± 368	327 ± 341	387 ± 320	417 ± 342	337 ± 333
CD62E + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + IL-23R	5 ± 6	4 ± 6	4 ± 6	4 ± 6	10 ± 16
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	437 ± 267	277 ± 266	311 ± 247	353 ± 272	300 ± 249
CD62E + Podoplanin	20 ± 47	6 ± 15	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	621 ± 393	359 ± 376	419 ± 349	418 ± 352	380 ± 358
CD62E + STAT3	15 ± 34	15 ± 34	15 ± 34	15 ± 34	15 ± 34
CD62E + TIA1	53 ± 99	15 ± 37	39 ± 65	18 ± 36	23 ± 39
CD62E + Vimentin	498 ± 311	298 ± 331	370 ± 318	369 ± 319	313 ± 319

Tabelle 396: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	2282 ± 1490	1891 ± 1497	1948 ± 1430	2360 ± 2031	2360 ± 1594
CD62P + BCL2	19 ± 31	9 ± 15	8 ± 15	8 ± 16	15 ± 21
CD62P + CCR6	9 ± 10	6 ± 7	6 ± 7	8 ± 8	7 ± 7
CD62P + CD11a	84 ± 166	23 ± 18	20 ± 15	17 ± 17	12 ± 15
CD62P + CD11b	103 ± 152	116 ± 162	92 ± 149	113 ± 155	99 ± 151
CD62P + CD120a	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD62P + CD120b	12 ± 15	16 ± 20	7 ± 12	19 ± 31	9 ± 11
CD62P + CD138	3 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD62P + CD15	43 ± 56	25 ± 26	20 ± 28	67 ± 114	23 ± 26
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	148 ± 267	54 ± 56	36 ± 42	44 ± 42	171 ± 347
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	11 ± 22	11 ± 22	10 ± 22	10 ± 22	10 ± 22
CD62P + CD28	104 ± 236	12 ± 13	9 ± 12	17 ± 19	24 ± 33
CD62P + CD29	2745 ± 1685	2232 ± 1909	2551 ± 1671	2570 ± 1788	2885 ± 1683
CD62P + CD3	285 ± 559	104 ± 141	127 ± 179	163 ± 221	242 ± 283
CD62P + CD31	2769 ± 2010	2302 ± 1997	2510 ± 1842	2956 ± 2178	2880 ± 1836
CD62P + CD4	959 ± 1015	663 ± 837	712 ± 828	939 ± 1025	1059 ± 960
CD62P + CD44	699 ± 789	541 ± 410	464 ± 305	522 ± 452	638 ± 479
CD62P + CD45	70 ± 176	6 ± 10	6 ± 7	12 ± 23	3 ± 6
CD62P + CD45RA	62 ± 76	38 ± 25	43 ± 31	53 ± 67	46 ± 49
CD62P + CD45RO	10 ± 17	2 ± 2	3 ± 3	2 ± 2	2 ± 2
CD62P + CD52	255 ± 450	40 ± 50	35 ± 48	98 ± 143	94 ± 162
CD62P + CD54	3116 ± 1937	2431 ± 2011	2743 ± 1795	3065 ± 2097	3021 ± 1784
CD62P + CD56	3 ± 5	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD62P + CD58	434 ± 456	544 ± 543	379 ± 485	645 ± 496	572 ± 565
CD62P + CD62E	808 ± 484	481 ± 508	562 ± 471	589 ± 480	511 ± 482
CD62P + CD68	739 ± 577	690 ± 632	880 ± 472	945 ± 716	968 ± 535
CD62P + CD7	202 ± 436	68 ± 74	81 ± 84	46 ± 54	86 ± 137
CD62P + CD8a	21 ± 44	13 ± 21	10 ± 12	14 ± 26	5 ± 6
CD62P + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CLA	5 ± 11	1 ± 2	0 ± 1	0 ± 1	1 ± 2
CD62P + c-myc	354 ± 809	342 ± 815	386 ± 801	342 ± 815	343 ± 814
CD62P + Collagen IV	1516 ± 1054	1159 ± 926	1282 ± 843	1525 ± 1022	1527 ± 1145
CD62P + FXIIIA	39 ± 48	38 ± 48	35 ± 49	43 ± 47	51 ± 54
CD62P + HLA-DR	2185 ± 1349	1873 ± 1503	2047 ± 1375	2278 ± 1745	2113 ± 1381
CD62P + IL-22R	4 ± 8	16 ± 31	4 ± 8	4 ± 8	4 ± 8
CD62P + IL-23R	10 ± 12	8 ± 12	8 ± 12	12 ± 11	78 ± 182
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	1516 ± 872	1330 ± 908	1394 ± 848	1672 ± 1171	1650 ± 875
CD62P + Podoplanin	35 ± 61	29 ± 65	4 ± 6	11 ± 17	4 ± 6
CD62P + SNA1	2482 ± 1626	1975 ± 1695	2242 ± 1530	2367 ± 1671	2467 ± 1550
CD62P + STAT3	29 ± 60	53 ± 81	29 ± 61	28 ± 61	28 ± 61
CD62P + TIA1	134 ± 249	45 ± 56	83 ± 101	60 ± 70	57 ± 68
CD62P + Vimentin	1703 ± 1017	1408 ± 1111	1635 ± 1020	1706 ± 1095	1634 ± 1065

Tabelle 397: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	1111 ± 706	952 ± 798	1258 ± 743	1285 ± 1132	1203 ± 853
CD68 + BCL2	72 ± 71	44 ± 50	41 ± 51	40 ± 52	50 ± 50
CD68 + CCR6	51 ± 52	32 ± 38	39 ± 36	32 ± 38	40 ± 35
CD68 + CD11a	81 ± 87	55 ± 82	63 ± 80	57 ± 80	59 ± 80
CD68 + CD11b	197 ± 196	222 ± 187	189 ± 203	239 ± 198	247 ± 179
CD68 + CD120a	2 ± 6	2 ± 6	3 ± 5	2 ± 6	2 ± 6
CD68 + CD120b	8 ± 9	9 ± 9	10 ± 13	6 ± 6	15 ± 24
CD68 + CD138	21 ± 37	8 ± 17	13 ± 20	8 ± 17	8 ± 17
CD68 + CD15	34 ± 42	34 ± 42	28 ± 42	45 ± 56	27 ± 42
CD68 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD68 + CD2	143 ± 122	132 ± 126	131 ± 127	141 ± 119	243 ± 285
CD68 + CD207	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD68 + CD24	4 ± 3	3 ± 3	10 ± 12	3 ± 3	4 ± 3
CD68 + CD28	80 ± 86	63 ± 90	67 ± 87	111 ± 119	90 ± 92
CD68 + CD29	1992 ± 1164	1816 ± 1350	2347 ± 1031	2119 ± 1377	2305 ± 1102
CD68 + CD3	166 ± 152	155 ± 151	213 ± 164	284 ± 337	295 ± 264
CD68 + CD31	1738 ± 1098	1644 ± 1197	2032 ± 969	1993 ± 1404	2111 ± 1096
CD68 + CD4	755 ± 744	712 ± 751	738 ± 740	949 ± 942	1054 ± 883
CD68 + CD44	361 ± 255	372 ± 229	429 ± 226	355 ± 259	456 ± 290
CD68 + CD45	65 ± 75	39 ± 51	49 ± 50	42 ± 49	46 ± 48
CD68 + CD45RA	66 ± 54	34 ± 35	44 ± 32	43 ± 31	47 ± 42
CD68 + CD45RO	44 ± 61	25 ± 39	29 ± 37	23 ± 39	24 ± 39
CD68 + CD52	91 ± 132	73 ± 130	77 ± 130	82 ± 128	90 ± 133
CD68 + CD54	1748 ± 971	1518 ± 1212	1908 ± 879	1825 ± 1179	1979 ± 924
CD68 + CD56	63 ± 47	49 ± 40	55 ± 36	45 ± 44	48 ± 40
CD68 + CD58	589 ± 389	468 ± 421	573 ± 413	581 ± 466	593 ± 393
CD68 + CD62E	269 ± 214	237 ± 242	273 ± 225	306 ± 244	260 ± 225
CD68 + CD62P	739 ± 577	690 ± 632	880 ± 472	945 ± 716	968 ± 535
CD68 + CD7	34 ± 34	23 ± 21	48 ± 43	33 ± 30	48 ± 66
CD68 + CD8a	29 ± 43	29 ± 42	33 ± 42	29 ± 43	38 ± 47
CD68 + CK14	4 ± 9	4 ± 9	4 ± 9	4 ± 9	4 ± 9
CD68 + CLA	29 ± 25	24 ± 25	29 ± 23	28 ± 24	35 ± 32
CD68 + c-myc	365 ± 575	311 ± 599	386 ± 589	309 ± 600	312 ± 599
CD68 + Collagen IV	1404 ± 868	1283 ± 976	1611 ± 795	1490 ± 1062	1691 ± 1008
CD68 + FXIIIA	136 ± 115	135 ± 113	128 ± 115	117 ± 122	158 ± 102
CD68 + HLA-DR	1284 ± 760	1189 ± 859	1467 ± 631	1427 ± 902	1440 ± 660
CD68 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD68 + IL-23R	37 ± 35	26 ± 33	27 ± 32	28 ± 31	94 ± 170
CD68 + Ki67	7 ± 12	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD68 + PI	1300 ± 743	1212 ± 846	1452 ± 650	1510 ± 1016	1575 ± 702
CD68 + Podoplanin	330 ± 237	275 ± 241	250 ± 255	239 ± 265	265 ± 244
CD68 + SNA1	1711 ± 967	1535 ± 1135	1954 ± 870	1802 ± 1214	1985 ± 965
CD68 + STAT3	59 ± 67	45 ± 67	53 ± 65	44 ± 68	44 ± 68
CD68 + TIA1	46 ± 48	31 ± 46	46 ± 41	34 ± 45	44 ± 49
CD68 + Vimentin	1249 ± 727	1158 ± 820	1439 ± 645	1242 ± 803	1315 ± 735

Tabelle 398: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	173 ± 395	105 ± 140	98 ± 125	46 ± 66	102 ± 208
CD7 + BCL2	64 ± 123	17 ± 13	20 ± 11	20 ± 15	17 ± 12
CD7 + CCR6	43 ± 65	18 ± 32	22 ± 30	24 ± 31	24 ± 31
CD7 + CD11a	371 ± 580	145 ± 97	207 ± 182	152 ± 94	141 ± 99
CD7 + CD11b	101 ± 80	114 ± 97	86 ± 31	82 ± 34	92 ± 39
CD7 + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD7 + CD120b	31 ± 64	10 ± 14	15 ± 25	12 ± 14	13 ± 18
CD7 + CD138	0 ± 1	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD7 + CD15	8 ± 18	1 ± 1	1 ± 2	11 ± 27	1 ± 1
CD7 + CD1a	1 ± 2	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD2	333 ± 544	137 ± 98	173 ± 134	126 ± 89	166 ± 136
CD7 + CD207	7 ± 14	2 ± 6	3 ± 6	2 ± 6	3 ± 6
CD7 + CD24	6 ± 10	4 ± 6	11 ± 23	5 ± 7	2 ± 2
CD7 + CD28	287 ± 512	87 ± 93	101 ± 96	118 ± 89	108 ± 95
CD7 + CD29	336 ± 576	167 ± 106	224 ± 196	122 ± 86	191 ± 196
CD7 + CD3	502 ± 851	176 ± 156	271 ± 239	200 ± 145	212 ± 173
CD7 + CD31	302 ± 585	130 ± 88	134 ± 92	98 ± 73	150 ± 187
CD7 + CD4	538 ± 964	180 ± 135	222 ± 140	196 ± 119	227 ± 179
CD7 + CD44	498 ± 896	182 ± 84	275 ± 288	162 ± 77	190 ± 142
CD7 + CD45	336 ± 565	111 ± 92	183 ± 186	116 ± 93	112 ± 91
CD7 + CD45RA	148 ± 213	97 ± 69	103 ± 71	68 ± 47	72 ± 54
CD7 + CD45RO	156 ± 249	48 ± 74	79 ± 79	62 ± 70	50 ± 73
CD7 + CD52	328 ± 626	89 ± 144	134 ± 188	102 ± 144	114 ± 158
CD7 + CD54	546 ± 977	219 ± 113	280 ± 177	181 ± 123	256 ± 217
CD7 + CD56	8 ± 7	5 ± 5	7 ± 6	5 ± 5	5 ± 5
CD7 + CD58	55 ± 47	76 ± 89	38 ± 40	60 ± 43	38 ± 38
CD7 + CD62E	87 ± 220	4 ± 7	18 ± 37	5 ± 7	10 ± 18
CD7 + CD62P	202 ± 436	68 ± 74	81 ± 84	46 ± 54	86 ± 137
CD7 + CD68	34 ± 34	23 ± 21	48 ± 43	33 ± 30	48 ± 66
CD7 + CD8a	118 ± 114	85 ± 70	131 ± 138	73 ± 72	83 ± 70
CD7 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CLA	71 ± 120	31 ± 15	44 ± 53	30 ± 13	36 ± 25
CD7 + c-myc	8 ± 10	5 ± 9	10 ± 14	5 ± 9	5 ± 9
CD7 + Collagen IV	312 ± 581	147 ± 98	196 ± 214	98 ± 63	163 ± 208
CD7 + FXIIIA	7 ± 5	7 ± 7	6 ± 5	6 ± 5	6 ± 5
CD7 + HLA-DR	483 ± 695	248 ± 104	325 ± 223	205 ± 124	227 ± 130
CD7 + IL-22R	1 ± 1	4 ± 8	1 ± 1	1 ± 1	1 ± 1
CD7 + IL-23R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 6
CD7 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + PI	434 ± 628	227 ± 137	277 ± 227	191 ± 156	227 ± 173
CD7 + Podoplanin	212 ± 325	104 ± 187	117 ± 195	115 ± 185	85 ± 191
CD7 + SNA1	395 ± 746	149 ± 85	224 ± 218	107 ± 64	167 ± 182
CD7 + STAT3	1 ± 1	6 ± 14	0 ± 1	0 ± 1	0 ± 1
CD7 + TIA1	174 ± 300	69 ± 75	104 ± 91	67 ± 75	73 ± 83
CD7 + Vimentin	312 ± 496	133 ± 106	205 ± 180	115 ± 111	145 ± 131

Tabelle 399: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	46 ± 47	115 ± 149	41 ± 29	48 ± 64	60 ± 94
CD8a + BCL2	22 ± 22	17 ± 18	17 ± 17	16 ± 18	17 ± 17
CD8a + CCR6	14 ± 11	10 ± 11	13 ± 9	13 ± 10	16 ± 16
CD8a + CD11a	152 ± 83	140 ± 53	125 ± 55	98 ± 46	120 ± 32
CD8a + CD11b	45 ± 35	114 ± 134	53 ± 37	48 ± 32	61 ± 28
CD8a + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + CD120b	6 ± 4	15 ± 16	6 ± 6	6 ± 4	10 ± 14
CD8a + CD138	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD8a + CD15	1 ± 1	3 ± 6	7 ± 17	2 ± 3	1 ± 1
CD8a + CD1a	0 ± 1	2 ± 4	0 ± 1	0 ± 1	0 ± 1
CD8a + CD2	168 ± 121	164 ± 106	153 ± 105	119 ± 107	163 ± 123
CD8a + CD207	5 ± 11	5 ± 11	5 ± 11	4 ± 11	4 ± 11
CD8a + CD24	5 ± 5	12 ± 12	9 ± 9	4 ± 6	5 ± 6
CD8a + CD28	85 ± 75	55 ± 44	51 ± 48	57 ± 43	68 ± 49
CD8a + CD29	116 ± 85	138 ± 97	123 ± 77	90 ± 83	123 ± 98
CD8a + CD3	191 ± 117	224 ± 141	196 ± 96	149 ± 92	176 ± 105
CD8a + CD31	57 ± 61	63 ± 61	41 ± 32	46 ± 40	62 ± 70
CD8a + CD4	119 ± 108	168 ± 155	80 ± 46	83 ± 43	114 ± 79
CD8a + CD44	192 ± 102	209 ± 78	193 ± 77	137 ± 61	171 ± 70
CD8a + CD45	134 ± 97	104 ± 37	115 ± 74	77 ± 47	95 ± 45
CD8a + CD45RA	50 ± 34	48 ± 29	49 ± 29	44 ± 31	41 ± 33
CD8a + CD45RO	46 ± 43	25 ± 31	36 ± 31	26 ± 30	28 ± 31
CD8a + CD52	113 ± 125	93 ± 96	90 ± 110	67 ± 89	83 ± 99
CD8a + CD54	153 ± 124	195 ± 132	120 ± 61	112 ± 74	150 ± 101
CD8a + CD56	6 ± 7	5 ± 7	5 ± 7	5 ± 7	5 ± 7
CD8a + CD58	21 ± 12	44 ± 60	18 ± 15	23 ± 12	21 ± 12
CD8a + CD62E	6 ± 17	3 ± 8	3 ± 5	3 ± 7	0 ± 1
CD8a + CD62P	21 ± 44	13 ± 21	10 ± 12	14 ± 26	5 ± 6
CD8a + CD68	29 ± 43	29 ± 42	33 ± 42	29 ± 43	38 ± 47
CD8a + CD7	118 ± 114	85 ± 70	131 ± 138	73 ± 72	83 ± 70
CD8a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CLA	48 ± 39	66 ± 41	60 ± 36	41 ± 43	70 ± 54
CD8a + c-myc	15 ± 26	15 ± 26	15 ± 26	15 ± 26	15 ± 26
CD8a + Collagen IV	147 ± 86	197 ± 117	155 ± 71	118 ± 78	154 ± 120
CD8a + FXIIIA	6 ± 8	18 ± 27	6 ± 8	6 ± 8	7 ± 8
CD8a + HLA-DR	212 ± 79	246 ± 94	207 ± 71	177 ± 101	204 ± 98
CD8a + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD8a + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + PI	177 ± 96	213 ± 111	165 ± 91	138 ± 95	157 ± 93
CD8a + Podoplanin	115 ± 135	113 ± 142	94 ± 138	85 ± 139	78 ± 142
CD8a + SNA1	152 ± 112	172 ± 109	140 ± 73	107 ± 79	125 ± 86
CD8a + STAT3	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD8a + TIA1	35 ± 27	23 ± 21	37 ± 25	27 ± 22	36 ± 35
CD8a + Vimentin	118 ± 76	119 ± 69	107 ± 65	88 ± 74	104 ± 80

Tabelle 400: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD11a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD11b	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD29	4 ± 7	3 ± 7	3 ± 7	4 ± 7	4 ± 7
CK14 + CD3	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CK14 + CD31	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD4	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CK14 + CD44	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CK14 + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD45RO	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD52	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CK14 + CD54	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CK14 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD58	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD68	4 ± 9	4 ± 9	4 ± 9	4 ± 9	4 ± 9
CK14 + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + c-myc	0 ± 1	1 ± 1	0 ± 1	0 ± 1	1 ± 1
CK14 + Collagen IV	4 ± 7	4 ± 7	4 ± 7	4 ± 7	5 ± 7
CK14 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CK14 + HLA-DR	3 ± 8	3 ± 8	3 ± 8	4 ± 8	3 ± 8
CK14 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + PI	1 ± 1	1 ± 1	1 ± 1	1 ± 2	1 ± 1
CK14 + Podoplanin	1 ± 1	1 ± 1	1 ± 1	1 ± 2	1 ± 1
CK14 + SNA1	5 ± 10	5 ± 10	5 ± 10	5 ± 10	6 ± 9
CK14 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + Vimentin	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3

Tabelle 401: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	19 ± 31	35 ± 47	19 ± 30	15 ± 25	44 ± 87
CLA + BCL2	32 ± 56	14 ± 12	9 ± 9	10 ± 9	11 ± 8
CLA + CCR6	28 ± 40	12 ± 12	12 ± 12	12 ± 12	20 ± 21
CLA + CD11a	128 ± 156	81 ± 46	84 ± 55	73 ± 41	87 ± 46
CLA + CD11b	38 ± 34	52 ± 45	33 ± 35	37 ± 33	54 ± 44
CLA + CD120a	1 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CLA + CD120b	13 ± 29	3 ± 2	8 ± 16	3 ± 4	7 ± 13
CLA + CD138	1 ± 3	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CLA + CD15	3 ± 6	2 ± 3	3 ± 5	5 ± 12	1 ± 2
CLA + CD1a	3 ± 8	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CLA + CD2	142 ± 162	96 ± 75	89 ± 76	85 ± 74	124 ± 120
CLA + CD207	14 ± 25	9 ± 23	11 ± 23	9 ± 23	9 ± 23
CLA + CD24	4 ± 4	2 ± 3	6 ± 8	5 ± 7	2 ± 4
CLA + CD28	87 ± 134	34 ± 35	37 ± 36	47 ± 33	43 ± 39
CLA + CD29	78 ± 78	65 ± 59	72 ± 57	52 ± 63	94 ± 97
CLA + CD3	141 ± 162	96 ± 66	98 ± 67	91 ± 57	116 ± 97
CLA + CD31	32 ± 41	20 ± 20	19 ± 19	19 ± 19	48 ± 75
CLA + CD4	159 ± 197	102 ± 79	95 ± 81	95 ± 74	124 ± 105
CLA + CD44	158 ± 167	114 ± 60	140 ± 108	100 ± 65	136 ± 98
CLA + CD45	109 ± 153	59 ± 33	67 ± 53	52 ± 34	63 ± 43
CLA + CD45RA	49 ± 54	39 ± 26	34 ± 24	31 ± 27	31 ± 25
CLA + CD45RO	73 ± 134	22 ± 33	27 ± 34	24 ± 33	24 ± 34
CLA + CD52	83 ± 118	52 ± 55	44 ± 52	41 ± 50	51 ± 59
CLA + CD54	139 ± 187	96 ± 73	82 ± 75	71 ± 74	117 ± 113
CLA + CD56	8 ± 11	7 ± 11	8 ± 10	6 ± 11	7 ± 11
CLA + CD58	20 ± 22	22 ± 27	12 ± 16	15 ± 16	15 ± 15
CLA + CD62E	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	5 ± 11	1 ± 2	0 ± 1	0 ± 1	1 ± 2
CLA + CD68	29 ± 25	24 ± 25	29 ± 23	28 ± 24	35 ± 32
CLA + CD7	71 ± 120	31 ± 15	44 ± 53	30 ± 13	36 ± 25
CLA + CD8a	48 ± 39	66 ± 41	60 ± 36	41 ± 43	70 ± 54
CLA + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + c-myc	6 ± 9	3 ± 6	4 ± 6	3 ± 6	3 ± 6
CLA + Collagen IV	80 ± 87	63 ± 34	79 ± 58	47 ± 40	98 ± 119
CLA + FXIIIA	4 ± 4	3 ± 4	4 ± 4	3 ± 4	5 ± 4
CLA + HLA-DR	178 ± 160	134 ± 84	157 ± 104	120 ± 94	146 ± 92
CLA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + IL-23R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CLA + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + PI	133 ± 141	98 ± 55	95 ± 64	81 ± 63	115 ± 91
CLA + Podoplanin	128 ± 166	73 ± 75	68 ± 75	80 ± 71	67 ± 76
CLA + SNA1	122 ± 163	68 ± 55	81 ± 57	57 ± 59	86 ± 72
CLA + STAT3	2 ± 4	1 ± 4	2 ± 4	1 ± 4	1 ± 4
CLA + TIA1	12 ± 18	8 ± 11	7 ± 10	8 ± 11	24 ± 44
CLA + Vimentin	121 ± 157	67 ± 43	69 ± 44	62 ± 44	90 ± 80

Tabelle 402: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	822 ± 1618	752 ± 1650	812 ± 1626	752 ± 1650	756 ± 1648
c-myc + BCL2	20 ± 35	18 ± 35	17 ± 36	17 ± 36	22 ± 36
c-myc + CCR6	31 ± 49	13 ± 27	23 ± 34	13 ± 27	14 ± 27
c-myc + CD11a	10 ± 13	5 ± 9	5 ± 9	5 ± 9	5 ± 9
c-myc + CD11b	73 ± 110	72 ± 110	72 ± 110	72 ± 111	81 ± 106
c-myc + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
c-myc + CD120b	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
c-myc + CD138	24 ± 36	10 ± 17	17 ± 22	10 ± 17	10 ± 17
c-myc + CD15	16 ± 26	8 ± 19	10 ± 19	8 ± 19	8 ± 19
c-myc + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
c-myc + CD2	8 ± 10	4 ± 6	4 ± 6	4 ± 6	4 ± 6
c-myc + CD207	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
c-myc + CD24	3 ± 4	3 ± 4	3 ± 4	3 ± 4	3 ± 4
c-myc + CD28	11 ± 18	6 ± 14	6 ± 14	6 ± 14	6 ± 14
c-myc + CD29	921 ± 1564	845 ± 1605	938 ± 1566	845 ± 1605	858 ± 1597
c-myc + CD3	27 ± 46	21 ± 46	50 ± 81	21 ± 46	21 ± 46
c-myc + CD31	614 ± 1375	571 ± 1392	654 ± 1370	571 ± 1392	577 ± 1389
c-myc + CD4	75 ± 139	63 ± 143	109 ± 170	62 ± 143	69 ± 141
c-myc + CD44	177 ± 324	160 ± 329	189 ± 325	156 ± 331	166 ± 327
c-myc + CD45	6 ± 10	2 ± 4	2 ± 4	2 ± 4	2 ± 4
c-myc + CD45RA	39 ± 45	21 ± 29	30 ± 32	21 ± 29	21 ± 29
c-myc + CD45RO	17 ± 27	6 ± 10	10 ± 12	6 ± 10	6 ± 10
c-myc + CD52	36 ± 75	29 ± 76	29 ± 76	29 ± 76	29 ± 76
c-myc + CD54	827 ± 1537	763 ± 1568	846 ± 1536	762 ± 1569	774 ± 1562
c-myc + CD56	42 ± 47	24 ± 32	34 ± 34	24 ± 32	25 ± 31
c-myc + CD58	231 ± 428	188 ± 440	195 ± 437	188 ± 440	192 ± 438
c-myc + CD62E	106 ± 252	102 ± 254	102 ± 254	102 ± 254	102 ± 254
c-myc + CD62P	354 ± 809	342 ± 815	386 ± 801	342 ± 815	343 ± 814
c-myc + CD68	365 ± 575	311 ± 599	386 ± 589	309 ± 600	312 ± 599
c-myc + CD7	8 ± 10	5 ± 9	10 ± 14	5 ± 9	5 ± 9
c-myc + CD8a	15 ± 26	15 ± 26	15 ± 26	15 ± 26	15 ± 26
c-myc + CK14	0 ± 1	1 ± 1	0 ± 1	0 ± 1	1 ± 1
c-myc + CLA	6 ± 9	3 ± 6	4 ± 6	3 ± 6	3 ± 6
c-myc + Collagen IV	982 ± 1850	915 ± 1884	991 ± 1851	916 ± 1884	925 ± 1878
c-myc + FXIIIA	55 ± 65	38 ± 60	49 ± 60	37 ± 60	46 ± 58
c-myc + HLA-DR	546 ± 780	485 ± 816	561 ± 788	485 ± 816	500 ± 806
c-myc + IL-22R	1 ± 2	1 ± 2	2 ± 4	1 ± 2	1 ± 2
c-myc + IL-23R	15 ± 17	9 ± 13	12 ± 13	9 ± 13	10 ± 13
c-myc + Ki67	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
c-myc + PI	495 ± 780	437 ± 808	478 ± 791	433 ± 810	447 ± 802
c-myc + Podoplanin	130 ± 152	102 ± 155	108 ± 152	98 ± 157	100 ± 156
c-myc + SNA1	788 ± 1224	709 ± 1268	804 ± 1231	708 ± 1269	721 ± 1261
c-myc + STAT3	36 ± 40	21 ± 28	34 ± 38	21 ± 28	21 ± 28
c-myc + TIA1	34 ± 39	20 ± 30	28 ± 31	20 ± 30	21 ± 30
c-myc + Vimentin	665 ± 1199	619 ± 1224	653 ± 1208	615 ± 1226	626 ± 1220

Tabelle 403: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	4930 ± 2922	4021 ± 2850	4482 ± 2810	4521 ± 3663	4976 ± 3769
Collagen IV + BCL2	71 ± 85	34 ± 38	32 ± 39	30 ± 40	39 ± 36
Collagen IV + CCR6	22 ± 20	16 ± 18	18 ± 16	18 ± 16	32 ± 38
Collagen IV + CD11a	371 ± 519	176 ± 111	163 ± 123	134 ± 114	164 ± 112
Collagen IV + CD11b	343 ± 275	416 ± 360	241 ± 191	336 ± 268	585 ± 578
Collagen IV + CD120a	9 ± 10	7 ± 10	7 ± 10	9 ± 10	7 ± 10
Collagen IV + CD120b	66 ± 79	57 ± 40	48 ± 40	61 ± 64	63 ± 58
Collagen IV + CD138	3 ± 4	1 ± 1	7 ± 14	3 ± 5	1 ± 1
Collagen IV + CD15	62 ± 111	24 ± 26	26 ± 29	35 ± 42	38 ± 53
Collagen IV + CD1a	2 ± 6	4 ± 7	2 ± 6	2 ± 6	2 ± 6
Collagen IV + CD2	434 ± 518	280 ± 203	241 ± 206	233 ± 210	625 ± 997
Collagen IV + CD207	20 ± 50	20 ± 50	22 ± 50	20 ± 51	20 ± 51
Collagen IV + CD24	53 ± 46	48 ± 27	134 ± 164	36 ± 21	56 ± 30
Collagen IV + CD28	387 ± 592	143 ± 173	145 ± 172	213 ± 189	208 ± 203
Collagen IV + CD29	6516 ± 3077	4784 ± 3404	6218 ± 3083	5334 ± 3074	6369 ± 3610
Collagen IV + CD3	850 ± 1009	578 ± 437	652 ± 530	708 ± 601	880 ± 883
Collagen IV + CD31	4540 ± 3204	3265 ± 2500	3823 ± 2301	4650 ± 2686	4421 ± 2967
Collagen IV + CD4	2253 ± 2414	1554 ± 1427	1499 ± 1455	1742 ± 1659	2333 ± 2126
Collagen IV + CD44	2175 ± 2080	1758 ± 1011	1836 ± 872	1406 ± 861	2091 ± 1751
Collagen IV + CD45	322 ± 558	107 ± 65	121 ± 93	109 ± 94	110 ± 93
Collagen IV + CD45RA	231 ± 262	138 ± 92	103 ± 73	97 ± 72	135 ± 109
Collagen IV + CD45RO	110 ± 161	37 ± 52	58 ± 58	42 ± 49	46 ± 53
Collagen IV + CD52	435 ± 605	210 ± 329	216 ± 334	309 ± 388	302 ± 429
Collagen IV + CD54	6265 ± 3975	4297 ± 3303	5096 ± 2917	5181 ± 2955	5627 ± 3324
Collagen IV + CD56	140 ± 153	167 ± 144	176 ± 159	131 ± 155	134 ± 152
Collagen IV + CD58	1275 ± 1007	1044 ± 929	911 ± 839	1254 ± 893	1027 ± 875
Collagen IV + CD62E	357 ± 336	193 ± 241	210 ± 233	221 ± 235	215 ± 234
Collagen IV + CD62P	1516 ± 1054	1159 ± 926	1282 ± 843	1525 ± 1022	1527 ± 1145
Collagen IV + CD68	1404 ± 868	1283 ± 976	1611 ± 795	1490 ± 1062	1691 ± 1008
Collagen IV + CD7	312 ± 581	147 ± 98	196 ± 214	98 ± 63	163 ± 208
Collagen IV + CD8a	147 ± 86	197 ± 117	155 ± 71	118 ± 78	154 ± 120
Collagen IV + CK14	4 ± 7	4 ± 7	4 ± 7	4 ± 7	5 ± 7
Collagen IV + CLA	80 ± 87	63 ± 34	79 ± 58	47 ± 40	98 ± 119
Collagen IV + c-myc	982 ± 1850	915 ± 1884	991 ± 1851	916 ± 1884	925 ± 1878
Collagen IV + FXIIIA	204 ± 182	300 ± 195	211 ± 182	232 ± 186	354 ± 276
Collagen IV + HLA-DR	4625 ± 1934	3652 ± 1885	4155 ± 1672	3873 ± 2322	4217 ± 2013
Collagen IV + IL-22R	2 ± 2	6 ± 10	2 ± 2	2 ± 2	2 ± 2
Collagen IV + IL-23R	27 ± 32	17 ± 27	17 ± 27	22 ± 25	91 ± 190
Collagen IV + Ki67	6 ± 11	2 ± 5	2 ± 5	2 ± 5	3 ± 6
Collagen IV + PI	3784 ± 2075	2858 ± 1645	3187 ± 1563	3281 ± 1980	3646 ± 2279
Collagen IV + Podoplanin	2066 ± 1248	1452 ± 824	1747 ± 991	1418 ± 857	1488 ± 807
Collagen IV + SNA1	8138 ± 4442	5665 ± 3763	7507 ± 3648	6680 ± 3472	7111 ± 3643
Collagen IV + STAT3	35 ± 64	54 ± 74	38 ± 63	34 ± 65	34 ± 65
Collagen IV + TIA1	137 ± 219	58 ± 60	98 ± 93	55 ± 61	142 ± 240
Collagen IV + Vimentin	3477 ± 1828	2423 ± 1294	2989 ± 1293	2708 ± 1190	2680 ± 1572

Tabelle 404: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	122 ± 87	190 ± 141	106 ± 91	131 ± 108	184 ± 204
FXIIIA + BCL2	13 ± 15	11 ± 16	11 ± 16	11 ± 16	17 ± 19
FXIIIA + CCR6	38 ± 53	20 ± 35	32 ± 41	20 ± 35	24 ± 33
FXIIIA + CD11a	14 ± 15	10 ± 9	9 ± 9	8 ± 10	11 ± 10
FXIIIA + CD11b	95 ± 99	134 ± 94	94 ± 100	96 ± 98	159 ± 102
FXIIIA + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
FXIIIA + CD120b	1 ± 2	2 ± 2	2 ± 2	1 ± 2	2 ± 2
FXIIIA + CD138	24 ± 37	10 ± 18	16 ± 21	10 ± 18	10 ± 18
FXIIIA + CD15	17 ± 26	9 ± 19	11 ± 19	9 ± 20	9 ± 20
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	21 ± 25	23 ± 24	21 ± 25	19 ± 26	50 ± 74
FXIIIA + CD207	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 2	2 ± 2	2 ± 3	1 ± 2	3 ± 6
FXIIIA + CD28	9 ± 8	6 ± 6	6 ± 6	8 ± 6	8 ± 7
FXIIIA + CD29	227 ± 175	270 ± 170	222 ± 181	218 ± 183	345 ± 206
FXIIIA + CD3	25 ± 28	36 ± 30	30 ± 32	33 ± 33	50 ± 63
FXIIIA + CD31	135 ± 114	176 ± 101	129 ± 121	165 ± 109	228 ± 149
FXIIIA + CD4	105 ± 116	137 ± 104	109 ± 115	113 ± 114	181 ± 135
FXIIIA + CD44	128 ± 101	199 ± 174	127 ± 100	118 ± 96	187 ± 127
FXIIIA + CD45	15 ± 16	11 ± 8	11 ± 9	10 ± 8	11 ± 7
FXIIIA + CD45RA	41 ± 50	26 ± 36	34 ± 40	25 ± 37	30 ± 34
FXIIIA + CD45RO	23 ± 25	14 ± 9	16 ± 13	13 ± 9	12 ± 9
FXIIIA + CD52	20 ± 21	14 ± 13	12 ± 15	15 ± 13	14 ± 14
FXIIIA + CD54	196 ± 150	215 ± 135	195 ± 157	201 ± 152	296 ± 166
FXIIIA + CD56	45 ± 57	35 ± 38	37 ± 44	27 ± 41	33 ± 39
FXIIIA + CD58	47 ± 33	49 ± 44	35 ± 36	37 ± 35	45 ± 36
FXIIIA + CD62E	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
FXIIIA + CD62P	39 ± 48	38 ± 48	35 ± 49	43 ± 47	51 ± 54
FXIIIA + CD68	136 ± 115	135 ± 113	128 ± 115	117 ± 122	158 ± 102
FXIIIA + CD7	7 ± 5	7 ± 7	6 ± 5	6 ± 5	6 ± 5
FXIIIA + CD8a	6 ± 8	18 ± 27	6 ± 8	6 ± 8	7 ± 8
FXIIIA + CK14	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
FXIIIA + CLA	4 ± 4	3 ± 4	4 ± 4	3 ± 4	5 ± 4
FXIIIA + c-myc	55 ± 65	38 ± 60	49 ± 60	37 ± 60	46 ± 58
FXIIIA + Collagen IV	204 ± 182	300 ± 195	211 ± 182	232 ± 186	354 ± 276
FXIIIA + HLA-DR	241 ± 211	355 ± 222	254 ± 217	255 ± 217	336 ± 206
FXIIIA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + IL-23R	8 ± 15	8 ± 15	8 ± 15	8 ± 15	8 ± 15
FXIIIA + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + PI	140 ± 92	175 ± 90	122 ± 101	141 ± 104	198 ± 127
FXIIIA + Podoplanin	105 ± 97	152 ± 141	82 ± 75	85 ± 73	102 ± 69
FXIIIA + SNA1	265 ± 190	387 ± 205	272 ± 198	276 ± 193	398 ± 223
FXIIIA + STAT3	31 ± 42	17 ± 28	26 ± 32	17 ± 29	17 ± 28
FXIIIA + TIA1	31 ± 44	17 ± 34	24 ± 35	17 ± 34	17 ± 34
FXIIIA + Vimentin	155 ± 87	229 ± 162	143 ± 92	149 ± 88	188 ± 85

Tabelle 405: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	3377 ± 1934	3048 ± 1993	2932 ± 1834	3356 ± 2970	3227 ± 2146
HLA-DR + BCL2	104 ± 124	54 ± 49	48 ± 49	46 ± 51	62 ± 52
HLA-DR + CCR6	119 ± 110	73 ± 69	88 ± 60	79 ± 62	90 ± 62
HLA-DR + CD11a	678 ± 671	358 ± 210	383 ± 223	323 ± 236	350 ± 215
HLA-DR + CD11b	595 ± 381	693 ± 414	524 ± 408	607 ± 398	788 ± 357
HLA-DR + CD120a	9 ± 8	6 ± 8	7 ± 8	7 ± 8	7 ± 8
HLA-DR + CD120b	116 ± 104	80 ± 36	83 ± 61	79 ± 39	93 ± 50
HLA-DR + CD138	23 ± 29	12 ± 21	19 ± 21	18 ± 22	13 ± 20
HLA-DR + CD15	73 ± 74	60 ± 58	57 ± 57	105 ± 130	52 ± 57
HLA-DR + CD1a	5 ± 11	7 ± 12	4 ± 12	4 ± 12	4 ± 12
HLA-DR + CD2	628 ± 568	407 ± 251	398 ± 251	377 ± 268	518 ± 379
HLA-DR + CD207	32 ± 62	25 ± 61	27 ± 60	23 ± 61	24 ± 61
HLA-DR + CD24	102 ± 69	82 ± 63	123 ± 121	87 ± 74	103 ± 71
HLA-DR + CD28	510 ± 604	244 ± 297	253 ± 292	310 ± 284	285 ± 282
HLA-DR + CD29	5348 ± 2511	4201 ± 3018	4961 ± 2530	4528 ± 3060	5118 ± 2556
HLA-DR + CD3	1072 ± 953	750 ± 489	872 ± 553	890 ± 651	866 ± 486
HLA-DR + CD31	3990 ± 2729	3304 ± 2865	3638 ± 2676	4076 ± 3248	3953 ± 2642
HLA-DR + CD4	2339 ± 1924	1814 ± 1550	1837 ± 1562	2054 ± 1736	2248 ± 1530
HLA-DR + CD44	2946 ± 1738	2720 ± 1300	2737 ± 967	2365 ± 1366	2833 ± 1217
HLA-DR + CD45	569 ± 689	259 ± 147	306 ± 167	240 ± 166	256 ± 152
HLA-DR + CD45RA	405 ± 300	258 ± 86	251 ± 77	230 ± 111	267 ± 84
HLA-DR + CD45RO	236 ± 291	96 ± 120	124 ± 111	104 ± 115	94 ± 120
HLA-DR + CD52	621 ± 718	282 ± 435	284 ± 441	318 ± 426	334 ± 465
HLA-DR + CD54	6011 ± 3249	4724 ± 3408	5311 ± 3051	5199 ± 3611	5411 ± 3055
HLA-DR + CD56	115 ± 56	113 ± 49	123 ± 40	102 ± 63	113 ± 56
HLA-DR + CD58	1148 ± 1049	1148 ± 1188	785 ± 930	1051 ± 945	1070 ± 1048
HLA-DR + CD62E	590 ± 368	327 ± 341	387 ± 320	417 ± 342	337 ± 333
HLA-DR + CD62P	2185 ± 1349	1873 ± 1503	2047 ± 1375	2278 ± 1745	2113 ± 1381
HLA-DR + CD68	1284 ± 760	1189 ± 859	1467 ± 631	1427 ± 902	1440 ± 660
HLA-DR + CD7	483 ± 695	248 ± 104	325 ± 223	205 ± 124	227 ± 130
HLA-DR + CD8a	212 ± 79	246 ± 94	207 ± 71	177 ± 101	204 ± 98
HLA-DR + CK14	3 ± 8	3 ± 8	3 ± 8	4 ± 8	3 ± 8
HLA-DR + CLA	178 ± 160	134 ± 84	157 ± 104	120 ± 94	146 ± 92
HLA-DR + c-myc	546 ± 780	485 ± 816	561 ± 788	485 ± 816	500 ± 806
HLA-DR + Collagen IV	4625 ± 1934	3652 ± 1885	4155 ± 1672	3873 ± 2322	4217 ± 2013
HLA-DR + FXIIIA	241 ± 211	355 ± 222	254 ± 217	255 ± 217	336 ± 206
HLA-DR + IL-22R	7 ± 10	18 ± 28	7 ± 10	7 ± 10	7 ± 10
HLA-DR + IL-23R	28 ± 30	19 ± 25	20 ± 25	21 ± 24	81 ± 158
HLA-DR + Ki67	4 ± 7	2 ± 4	2 ± 4	2 ± 4	6 ± 10
HLA-DR + PI	3756 ± 1447	3098 ± 1602	3246 ± 1460	3462 ± 2231	3497 ± 1448
HLA-DR + Podoplanin	1628 ± 1090	1153 ± 967	1072 ± 1003	1193 ± 952	1204 ± 916
HLA-DR + SNA1	5983 ± 2797	4586 ± 2849	5266 ± 2528	4786 ± 3130	5073 ± 2549
HLA-DR + STAT3	64 ± 74	88 ± 100	65 ± 75	54 ± 78	54 ± 78
HLA-DR + TIA1	228 ± 295	116 ± 101	149 ± 101	124 ± 103	138 ± 114
HLA-DR + Vimentin	4172 ± 1524	3223 ± 1389	3593 ± 1269	3392 ± 1695	3261 ± 1350

Tabelle 406: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	2 ± 4	10 ± 20	2 ± 4	2 ± 4	2 ± 4
IL-22R + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD138	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD2	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD28	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + CD29	7 ± 13	9 ± 13	7 ± 13	7 ± 12	7 ± 13
IL-22R + CD3	2 ± 4	2 ± 4	2 ± 4	2 ± 3	2 ± 4
IL-22R + CD31	7 ± 13	15 ± 21	7 ± 13	8 ± 13	7 ± 13
IL-22R + CD4	4 ± 5	4 ± 5	4 ± 5	4 ± 5	4 ± 5
IL-22R + CD44	2 ± 2	14 ± 31	2 ± 2	2 ± 2	2 ± 2
IL-22R + CD45	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + CD45RA	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD45RO	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + CD52	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
IL-22R + CD54	8 ± 14	21 ± 33	8 ± 14	8 ± 13	8 ± 14
IL-22R + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD58	3 ± 5	15 ± 32	3 ± 5	3 ± 5	3 ± 5
IL-22R + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + CD62P	4 ± 8	16 ± 31	4 ± 8	4 ± 8	4 ± 8
IL-22R + CD68	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + CD7	1 ± 1	4 ± 8	1 ± 1	1 ± 1	1 ± 1
IL-22R + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + c-myc	1 ± 2	1 ± 2	2 ± 4	1 ± 2	1 ± 2
IL-22R + Collagen IV	2 ± 2	6 ± 10	2 ± 2	2 ± 2	2 ± 2
IL-22R + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + HLA-DR	7 ± 10	18 ± 28	7 ± 10	7 ± 10	7 ± 10
IL-22R + IL-23R	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
IL-22R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + PI	7 ± 11	19 ± 29	7 ± 11	7 ± 11	7 ± 11
IL-22R + Podoplanin	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
IL-22R + SNA1	5 ± 9	15 ± 25	5 ± 9	5 ± 9	5 ± 9
IL-22R + STAT3	1 ± 2	6 ± 15	2 ± 3	1 ± 2	1 ± 2
IL-22R + TIA1	0 ± 0	2 ± 5	0 ± 0	0 ± 0	0 ± 0
IL-22R + Vimentin	6 ± 8	18 ± 29	6 ± 8	6 ± 7	6 ± 8

Tabelle 407: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	15 ± 30	3 ± 5	4 ± 4	6 ± 6	81 ± 205
IL-23R + BCL2	4 ± 3	3 ± 3	3 ± 3	3 ± 3	3 ± 3
IL-23R + CCR6	1 ± 1	1 ± 1	1 ± 2	1 ± 1	1 ± 1
IL-23R + CD11a	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
IL-23R + CD11b	7 ± 7	6 ± 7	6 ± 7	9 ± 6	13 ± 16
IL-23R + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD120b	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
IL-23R + CD138	1 ± 2	1 ± 2	3 ± 4	1 ± 2	1 ± 2
IL-23R + CD15	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-23R + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD2	1 ± 1	1 ± 1	1 ± 1	1 ± 1	15 ± 37
IL-23R + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD28	0 ± 0	0 ± 0	0 ± 0	1 ± 3	2 ± 6
IL-23R + CD29	41 ± 37	29 ± 34	30 ± 34	35 ± 30	109 ± 200
IL-23R + CD3	0 ± 1	0 ± 1	0 ± 1	3 ± 4	7 ± 18
IL-23R + CD31	36 ± 38	26 ± 36	26 ± 36	32 ± 33	105 ± 200
IL-23R + CD4	8 ± 13	8 ± 13	8 ± 13	11 ± 12	75 ± 175
IL-23R + CD44	4 ± 5	5 ± 5	4 ± 5	4 ± 5	36 ± 82
IL-23R + CD45	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
IL-23R + CD45RA	1 ± 2	1 ± 2	2 ± 2	1 ± 2	1 ± 2
IL-23R + CD45RO	1 ± 1	1 ± 1	1 ± 2	1 ± 1	1 ± 1
IL-23R + CD52	0 ± 0	0 ± 0	0 ± 0	3 ± 7	3 ± 7
IL-23R + CD54	37 ± 40	25 ± 37	25 ± 37	30 ± 34	99 ± 188
IL-23R + CD56	1 ± 1	1 ± 1	1 ± 2	1 ± 1	1 ± 1
IL-23R + CD58	20 ± 31	12 ± 26	12 ± 26	16 ± 25	17 ± 27
IL-23R + CD62E	5 ± 6	4 ± 6	4 ± 6	4 ± 6	10 ± 16
IL-23R + CD62P	10 ± 12	8 ± 12	8 ± 12	12 ± 11	78 ± 182
IL-23R + CD68	37 ± 35	26 ± 33	27 ± 32	28 ± 31	94 ± 170
IL-23R + CD7	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 6
IL-23R + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-23R + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CLA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-23R + c-myc	15 ± 17	9 ± 13	12 ± 13	9 ± 13	10 ± 13
IL-23R + Collagen IV	27 ± 32	17 ± 27	17 ± 27	22 ± 25	91 ± 190
IL-23R + FXIIIA	8 ± 15	8 ± 15	8 ± 15	8 ± 15	8 ± 15
IL-23R + HLA-DR	28 ± 30	19 ± 25	20 ± 25	21 ± 24	81 ± 158
IL-23R + IL-22R	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
IL-23R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + PI	28 ± 28	19 ± 25	19 ± 25	23 ± 22	82 ± 160
IL-23R + Podoplanin	3 ± 4	4 ± 4	4 ± 4	4 ± 4	3 ± 5
IL-23R + SNA1	35 ± 40	23 ± 35	24 ± 34	27 ± 32	94 ± 182
IL-23R + STAT3	8 ± 20	8 ± 20	10 ± 20	8 ± 20	8 ± 20
IL-23R + TIA1	0 ± 1	0 ± 0	1 ± 1	0 ± 1	0 ± 0
IL-23R + Vimentin	30 ± 24	22 ± 22	22 ± 22	25 ± 20	42 ± 49

Tabelle 408: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	5 ± 13	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + BCL2	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 1
Ki67 + CCR6	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD11a	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	4 ± 10
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD138	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD15	0 ± 1	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD2	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD207	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD28	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD29	6 ± 13	1 ± 3	1 ± 3	1 ± 3	3 ± 6
Ki67 + CD3	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 1
Ki67 + CD31	5 ± 11	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CD4	6 ± 13	1 ± 4	1 ± 4	1 ± 4	2 ± 4
Ki67 + CD44	1 ± 2	0 ± 1	0 ± 0	0 ± 0	4 ± 10
Ki67 + CD45	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD45RA	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD45RO	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD52	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD54	8 ± 16	2 ± 5	2 ± 5	2 ± 5	2 ± 5
Ki67 + CD56	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD58	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	7 ± 12	2 ± 5	2 ± 5	2 ± 5	2 ± 5
Ki67 + CD7	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD8a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CLA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + c-myc	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + Collagen IV	6 ± 11	2 ± 5	2 ± 5	2 ± 5	3 ± 6
Ki67 + FXIIIA	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + HLA-DR	4 ± 7	2 ± 4	2 ± 4	2 ± 4	6 ± 10
Ki67 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + PI	7 ± 12	2 ± 5	2 ± 5	2 ± 5	6 ± 9
Ki67 + Podoplanin	4 ± 9	0 ± 0	0 ± 0	0 ± 0	3 ± 8
Ki67 + SNA1	5 ± 12	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + STAT3	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + TIA1	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + Vimentin	4 ± 7	2 ± 5	2 ± 5	2 ± 5	5 ± 9

Tabelle 409: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	2898 ± 1638	2508 ± 1598	2489 ± 1644	2977 ± 2569	2970 ± 2138
PI + BCL2	138 ± 171	71 ± 63	65 ± 62	58 ± 68	80 ± 64
PI + CCR6	77 ± 91	41 ± 52	48 ± 48	43 ± 51	51 ± 51
PI + CD11a	599 ± 696	315 ± 243	312 ± 253	273 ± 271	302 ± 247
PI + CD11b	406 ± 278	486 ± 363	311 ± 246	405 ± 283	572 ± 396
PI + CD120a	5 ± 5	4 ± 5	4 ± 5	4 ± 5	4 ± 5
PI + CD120b	80 ± 117	49 ± 35	38 ± 28	47 ± 33	61 ± 50
PI + CD138	9 ± 16	3 ± 4	7 ± 8	9 ± 15	3 ± 4
PI + CD15	48 ± 68	32 ± 37	25 ± 33	59 ± 94	41 ± 52
PI + CD1a	2 ± 3	3 ± 6	1 ± 3	1 ± 3	1 ± 3
PI + CD2	641 ± 690	403 ± 274	378 ± 278	351 ± 302	622 ± 664
PI + CD207	16 ± 29	11 ± 27	14 ± 27	11 ± 27	10 ± 27
PI + CD24	60 ± 59	45 ± 36	67 ± 52	46 ± 45	65 ± 55
PI + CD28	507 ± 687	223 ± 297	223 ± 298	295 ± 322	269 ± 289
PI + CD29	4675 ± 2125	3575 ± 2494	4214 ± 2189	4046 ± 2422	4613 ± 2291
PI + CD3	984 ± 1013	664 ± 504	682 ± 489	822 ± 788	845 ± 605
PI + CD31	3450 ± 2174	2620 ± 1857	2868 ± 1753	3425 ± 2304	3392 ± 1868
PI + CD4	2033 ± 1995	1440 ± 1271	1331 ± 1315	1669 ± 1551	1936 ± 1453
PI + CD44	1685 ± 1481	1378 ± 668	1265 ± 516	1218 ± 802	1495 ± 866
PI + CD45	522 ± 708	234 ± 188	252 ± 194	199 ± 210	226 ± 196
PI + CD45RA	291 ± 297	190 ± 84	159 ± 60	157 ± 83	187 ± 70
PI + CD45RO	268 ± 394	100 ± 172	123 ± 166	107 ± 170	106 ± 170
PI + CD52	499 ± 667	271 ± 421	265 ± 427	284 ± 414	314 ± 447
PI + CD54	4624 ± 2750	3394 ± 2309	3654 ± 2126	3880 ± 2405	4187 ± 2108
PI + CD56	86 ± 123	81 ± 123	81 ± 122	76 ± 125	80 ± 123
PI + CD58	999 ± 691	915 ± 762	739 ± 702	993 ± 717	913 ± 742
PI + CD62E	437 ± 267	277 ± 266	311 ± 247	353 ± 272	300 ± 249
PI + CD62P	1516 ± 872	1330 ± 908	1394 ± 848	1672 ± 1171	1650 ± 875
PI + CD68	1300 ± 743	1212 ± 846	1452 ± 650	1510 ± 1016	1575 ± 702
PI + CD7	434 ± 628	227 ± 137	277 ± 227	191 ± 156	227 ± 173
PI + CD8a	177 ± 96	213 ± 111	165 ± 91	138 ± 95	157 ± 93
PI + CK14	1 ± 1	1 ± 1	1 ± 1	1 ± 2	1 ± 1
PI + CLA	133 ± 141	98 ± 55	95 ± 64	81 ± 63	115 ± 91
PI + c-myc	495 ± 780	437 ± 808	478 ± 791	433 ± 810	447 ± 802
PI + Collagen IV	3784 ± 2075	2858 ± 1645	3187 ± 1563	3281 ± 1980	3646 ± 2279
PI + FXIIIA	140 ± 92	175 ± 90	122 ± 101	141 ± 104	198 ± 127
PI + HLA-DR	3756 ± 1447	3098 ± 1602	3246 ± 1460	3462 ± 2231	3497 ± 1448
PI + IL-22R	7 ± 11	19 ± 29	7 ± 11	7 ± 11	7 ± 11
PI + IL-23R	28 ± 28	19 ± 25	19 ± 25	23 ± 22	82 ± 160
PI + Ki67	7 ± 12	2 ± 5	2 ± 5	2 ± 5	6 ± 9
PI + Podoplanin	1267 ± 993	882 ± 644	871 ± 653	856 ± 710	871 ± 646
PI + SNA1	4179 ± 2224	2969 ± 1818	3410 ± 1645	3347 ± 1983	3680 ± 1730
PI + STAT3	44 ± 61	73 ± 99	40 ± 63	37 ± 64	37 ± 64
PI + TIA1	166 ± 211	87 ± 71	103 ± 66	97 ± 79	157 ± 197
PI + Vimentin	3176 ± 1242	2378 ± 1079	2715 ± 1093	2629 ± 1184	2555 ± 1082

Tabelle 410: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	183 ± 253	115 ± 154	61 ± 74	35 ± 54	39 ± 53
Podoplanin + BCL2	74 ± 137	26 ± 29	21 ± 27	25 ± 28	21 ± 27
Podoplanin + CCR6	114 ± 126	62 ± 69	77 ± 63	71 ± 64	71 ± 63
Podoplanin + CD11a	439 ± 586	220 ± 394	217 ± 396	246 ± 395	194 ± 403
Podoplanin + CD11b	229 ± 207	235 ± 218	157 ± 194	176 ± 179	203 ± 166
Podoplanin + CD120a	4 ± 5	3 ± 5	3 ± 5	4 ± 5	3 ± 5
Podoplanin + CD120b	77 ± 90	39 ± 41	31 ± 40	52 ± 53	43 ± 39
Podoplanin + CD138	33 ± 44	14 ± 23	19 ± 23	14 ± 23	14 ± 23
Podoplanin + CD15	49 ± 64	27 ± 24	23 ± 24	41 ± 34	27 ± 24
Podoplanin + CD1a	7 ± 18	7 ± 17	7 ± 18	7 ± 18	7 ± 18
Podoplanin + CD2	388 ± 537	226 ± 355	220 ± 356	257 ± 367	197 ± 361
Podoplanin + CD207	52 ± 118	45 ± 120	46 ± 120	45 ± 120	45 ± 120
Podoplanin + CD24	58 ± 45	31 ± 25	102 ± 176	51 ± 52	51 ± 35
Podoplanin + CD28	383 ± 574	218 ± 494	221 ± 493	296 ± 488	214 ± 496
Podoplanin + CD29	590 ± 437	380 ± 189	396 ± 177	340 ± 188	366 ± 162
Podoplanin + CD3	613 ± 867	403 ± 726	389 ± 729	556 ± 778	350 ± 739
Podoplanin + CD31	363 ± 520	174 ± 180	149 ± 145	192 ± 218	115 ± 123
Podoplanin + CD4	855 ± 1134	575 ± 952	525 ± 966	631 ± 947	526 ± 964
Podoplanin + CD44	1191 ± 994	993 ± 535	779 ± 542	850 ± 485	905 ± 511
Podoplanin + CD45	351 ± 521	154 ± 270	161 ± 273	184 ± 280	135 ± 276
Podoplanin + CD45RA	243 ± 209	115 ± 84	109 ± 86	108 ± 88	128 ± 76
Podoplanin + CD45RO	230 ± 339	102 ± 200	119 ± 196	125 ± 195	97 ± 202
Podoplanin + CD52	474 ± 744	310 ± 716	309 ± 717	370 ± 724	280 ± 726
Podoplanin + CD54	927 ± 1192	479 ± 635	408 ± 659	531 ± 677	426 ± 648
Podoplanin + CD56	104 ± 71	123 ± 89	88 ± 40	69 ± 58	91 ± 48
Podoplanin + CD58	187 ± 208	150 ± 198	95 ± 187	135 ± 201	100 ± 185
Podoplanin + CD62E	20 ± 47	6 ± 15	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	35 ± 61	29 ± 65	4 ± 6	11 ± 17	4 ± 6
Podoplanin + CD68	330 ± 237	275 ± 241	250 ± 255	239 ± 265	265 ± 244
Podoplanin + CD7	212 ± 325	104 ± 187	117 ± 195	115 ± 185	85 ± 191
Podoplanin + CD8a	115 ± 135	113 ± 142	94 ± 138	85 ± 139	78 ± 142
Podoplanin + CK14	1 ± 1	1 ± 1	1 ± 1	1 ± 2	1 ± 1
Podoplanin + CLA	128 ± 166	73 ± 75	68 ± 75	80 ± 71	67 ± 76
Podoplanin + c-myc	130 ± 152	102 ± 155	108 ± 152	98 ± 157	100 ± 156
Podoplanin + Collagen IV	2066 ± 1248	1452 ± 824	1747 ± 991	1418 ± 857	1488 ± 807
Podoplanin + FXIIIA	105 ± 97	152 ± 141	82 ± 75	85 ± 73	102 ± 69
Podoplanin + HLA-DR	1628 ± 1090	1153 ± 967	1072 ± 1003	1193 ± 952	1204 ± 916
Podoplanin + IL-22R	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
Podoplanin + IL-23R	3 ± 4	4 ± 4	4 ± 4	4 ± 4	3 ± 5
Podoplanin + Ki67	4 ± 9	0 ± 0	0 ± 0	0 ± 0	3 ± 8
Podoplanin + PI	1267 ± 993	882 ± 644	871 ± 653	856 ± 710	871 ± 646
Podoplanin + SNA1	2262 ± 1610	1316 ± 625	1611 ± 854	1217 ± 703	1314 ± 651
Podoplanin + STAT3	34 ± 45	19 ± 34	28 ± 35	19 ± 34	20 ± 34
Podoplanin + TIA1	73 ± 74	40 ± 44	45 ± 43	40 ± 44	38 ± 46
Podoplanin + Vimentin	2191 ± 1316	1455 ± 666	1634 ± 599	1481 ± 624	1441 ± 656

Tabelle 411: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	5130 ± 3144	4031 ± 3027	4474 ± 2931	4383 ± 3594	4866 ± 3295
SNA1 + BCL2	100 ± 145	38 ± 39	38 ± 38	36 ± 40	47 ± 43
SNA1 + CCR6	67 ± 74	36 ± 33	47 ± 32	39 ± 29	47 ± 29
SNA1 + CD11a	493 ± 777	166 ± 77	168 ± 89	120 ± 86	152 ± 68
SNA1 + CD11b	475 ± 403	480 ± 362	329 ± 247	394 ± 271	551 ± 307
SNA1 + CD120a	11 ± 11	7 ± 10	7 ± 10	9 ± 10	7 ± 10
SNA1 + CD120b	105 ± 107	68 ± 34	57 ± 32	69 ± 50	75 ± 43
SNA1 + CD138	20 ± 25	8 ± 13	17 ± 16	13 ± 15	8 ± 12
SNA1 + CD15	104 ± 145	55 ± 65	56 ± 65	95 ± 118	49 ± 65
SNA1 + CD1a	1 ± 1	3 ± 6	0 ± 1	0 ± 1	0 ± 1
SNA1 + CD2	534 ± 738	278 ± 214	256 ± 206	235 ± 220	546 ± 773
SNA1 + CD207	13 ± 22	8 ± 17	10 ± 18	7 ± 18	7 ± 17
SNA1 + CD24	92 ± 64	66 ± 44	140 ± 139	54 ± 47	81 ± 62
SNA1 + CD28	453 ± 797	119 ± 97	124 ± 96	173 ± 125	168 ± 113
SNA1 + CD29	7461 ± 3699	5414 ± 4101	6939 ± 3624	5978 ± 3804	6924 ± 3556
SNA1 + CD3	941 ± 1260	530 ± 421	639 ± 555	634 ± 572	844 ± 727
SNA1 + CD31	5699 ± 4144	4129 ± 3593	4897 ± 3318	5460 ± 3486	5419 ± 3448
SNA1 + CD4	2647 ± 2887	1699 ± 1614	1703 ± 1639	1944 ± 1857	2518 ± 1925
SNA1 + CD44	2535 ± 2289	1974 ± 1133	2012 ± 921	1595 ± 1014	2185 ± 1169
SNA1 + CD45	435 ± 808	110 ± 64	135 ± 95	107 ± 86	102 ± 68
SNA1 + CD45RA	303 ± 340	141 ± 64	140 ± 41	109 ± 51	144 ± 53
SNA1 + CD45RO	170 ± 313	37 ± 32	66 ± 51	38 ± 29	37 ± 31
SNA1 + CD52	499 ± 744	161 ± 175	168 ± 188	257 ± 269	204 ± 241
SNA1 + CD54	7482 ± 5050	5013 ± 4167	6038 ± 3750	5827 ± 3820	6433 ± 3774
SNA1 + CD56	126 ± 100	118 ± 94	137 ± 89	99 ± 108	110 ± 100
SNA1 + CD58	1476 ± 1219	1240 ± 1146	1008 ± 1002	1351 ± 979	1350 ± 1271
SNA1 + CD62E	621 ± 393	359 ± 376	419 ± 349	418 ± 352	380 ± 358
SNA1 + CD62P	2482 ± 1626	1975 ± 1695	2242 ± 1530	2367 ± 1671	2467 ± 1550
SNA1 + CD68	1711 ± 967	1535 ± 1135	1954 ± 870	1802 ± 1214	1985 ± 965
SNA1 + CD7	395 ± 746	149 ± 85	224 ± 218	107 ± 64	167 ± 182
SNA1 + CD8a	152 ± 112	172 ± 109	140 ± 73	107 ± 79	125 ± 86
SNA1 + CK14	5 ± 10	5 ± 10	5 ± 10	5 ± 10	6 ± 9
SNA1 + CLA	122 ± 163	68 ± 55	81 ± 57	57 ± 59	86 ± 72
SNA1 + c-myc	788 ± 1224	709 ± 1268	804 ± 1231	708 ± 1269	721 ± 1261
SNA1 + Collagen IV	8138 ± 4442	5665 ± 3763	7507 ± 3648	6680 ± 3472	7111 ± 3643
SNA1 + FXIIIA	265 ± 190	387 ± 205	272 ± 198	276 ± 193	398 ± 223
SNA1 + HLA-DR	5983 ± 2797	4586 ± 2849	5266 ± 2528	4786 ± 3130	5073 ± 2549
SNA1 + IL-22R	5 ± 9	15 ± 25	5 ± 9	5 ± 9	5 ± 9
SNA1 + IL-23R	35 ± 40	23 ± 35	24 ± 34	27 ± 32	94 ± 182
SNA1 + Ki67	5 ± 12	1 ± 2	1 ± 2	1 ± 2	1 ± 2
SNA1 + PI	4179 ± 2224	2969 ± 1818	3410 ± 1645	3347 ± 1983	3680 ± 1730
SNA1 + Podoplanin	2262 ± 1610	1316 ± 625	1611 ± 854	1217 ± 703	1314 ± 651
SNA1 + STAT3	63 ± 96	79 ± 104	66 ± 97	55 ± 100	55 ± 100
SNA1 + TIA1	189 ± 272	85 ± 70	153 ± 110	83 ± 71	108 ± 94
SNA1 + Vimentin	4696 ± 2331	3238 ± 1671	4035 ± 1669	3493 ± 1471	3457 ± 1556

Tabelle 412: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	43 ± 34	57 ± 71	30 ± 23	27 ± 26	27 ± 26
STAT3 + BCL2	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
STAT3 + CCR6	31 ± 43	15 ± 29	24 ± 32	15 ± 29	16 ± 28
STAT3 + CD11a	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD11b	9 ± 12	8 ± 13	8 ± 13	8 ± 13	9 ± 12
STAT3 + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
STAT3 + CD120b	0 ± 0	1 ± 3	0 ± 1	0 ± 0	0 ± 0
STAT3 + CD138	27 ± 37	14 ± 22	21 ± 24	14 ± 22	14 ± 22
STAT3 + CD15	18 ± 25	10 ± 19	11 ± 19	10 ± 19	10 ± 19
STAT3 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD2	2 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD24	1 ± 1	2 ± 3	1 ± 2	1 ± 1	1 ± 1
STAT3 + CD28	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD29	82 ± 99	79 ± 100	77 ± 100	66 ± 104	66 ± 104
STAT3 + CD3	1 ± 1	0 ± 0	1 ± 1	0 ± 0	0 ± 0
STAT3 + CD31	53 ± 107	77 ± 115	54 ± 107	52 ± 108	52 ± 108
STAT3 + CD4	5 ± 9	4 ± 9	6 ± 9	4 ± 9	4 ± 9
STAT3 + CD44	21 ± 24	41 ± 72	16 ± 18	13 ± 19	13 ± 18
STAT3 + CD45	1 ± 2	1 ± 1	1 ± 1	1 ± 1	1 ± 1
STAT3 + CD45RA	36 ± 46	22 ± 36	29 ± 37	21 ± 36	21 ± 36
STAT3 + CD45RO	21 ± 30	12 ± 24	16 ± 24	12 ± 24	12 ± 24
STAT3 + CD52	7 ± 13	2 ± 3	2 ± 3	2 ± 3	2 ± 3
STAT3 + CD54	53 ± 106	80 ± 119	54 ± 105	51 ± 107	51 ± 107
STAT3 + CD56	38 ± 48	23 ± 39	32 ± 40	23 ± 39	23 ± 38
STAT3 + CD58	46 ± 61	66 ± 85	38 ± 64	38 ± 64	38 ± 64
STAT3 + CD62E	15 ± 34	15 ± 34	15 ± 34	15 ± 34	15 ± 34
STAT3 + CD62P	29 ± 60	53 ± 81	29 ± 61	28 ± 61	28 ± 61
STAT3 + CD68	59 ± 67	45 ± 67	53 ± 65	44 ± 68	44 ± 68
STAT3 + CD7	1 ± 1	6 ± 14	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD8a	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
STAT3 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CLA	2 ± 4	1 ± 4	2 ± 4	1 ± 4	1 ± 4
STAT3 + c-myc	36 ± 40	21 ± 28	34 ± 38	21 ± 28	21 ± 28
STAT3 + Collagen IV	35 ± 64	54 ± 74	38 ± 63	34 ± 65	34 ± 65
STAT3 + FXIIIA	31 ± 42	17 ± 28	26 ± 32	17 ± 29	17 ± 28
STAT3 + HLA-DR	64 ± 74	88 ± 100	65 ± 75	54 ± 78	54 ± 78
STAT3 + IL-22R	1 ± 2	6 ± 15	2 ± 3	1 ± 2	1 ± 2
STAT3 + IL-23R	8 ± 20	8 ± 20	10 ± 20	8 ± 20	8 ± 20
STAT3 + Ki67	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + PI	44 ± 61	73 ± 99	40 ± 63	37 ± 64	37 ± 64
STAT3 + Podoplanin	34 ± 45	19 ± 34	28 ± 35	19 ± 34	20 ± 34
STAT3 + SNA1	63 ± 96	79 ± 104	66 ± 97	55 ± 100	55 ± 100
STAT3 + TIA1	26 ± 37	16 ± 28	20 ± 29	14 ± 29	14 ± 29
STAT3 + Vimentin	55 ± 68	70 ± 85	48 ± 69	43 ± 71	43 ± 71

Tabelle 413: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	118 ± 222	43 ± 24	82 ± 79	53 ± 56	136 ± 273
TIA1 + BCL2	9 ± 10	5 ± 5	5 ± 5	4 ± 6	5 ± 5
TIA1 + CCR6	35 ± 50	19 ± 38	26 ± 38	20 ± 38	22 ± 37
TIA1 + CD11a	82 ± 106	43 ± 33	49 ± 32	43 ± 33	44 ± 37
TIA1 + CD11b	89 ± 104	51 ± 46	69 ± 41	57 ± 42	125 ± 195
TIA1 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + CD120b	0 ± 0	1 ± 1	1 ± 1	0 ± 1	4 ± 9
TIA1 + CD138	21 ± 31	10 ± 18	14 ± 19	10 ± 18	10 ± 18
TIA1 + CD15	39 ± 68	12 ± 21	15 ± 21	14 ± 21	29 ± 44
TIA1 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD2	75 ± 96	38 ± 44	44 ± 43	39 ± 43	65 ± 80
TIA1 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD24	2 ± 2	1 ± 2	3 ± 3	3 ± 6	2 ± 2
TIA1 + CD28	38 ± 72	9 ± 12	9 ± 12	13 ± 11	16 ± 20
TIA1 + CD29	195 ± 256	94 ± 80	164 ± 109	98 ± 79	184 ± 235
TIA1 + CD3	119 ± 231	28 ± 28	48 ± 52	40 ± 31	51 ± 62
TIA1 + CD31	195 ± 291	87 ± 87	112 ± 89	99 ± 86	101 ± 96
TIA1 + CD4	165 ± 320	43 ± 73	45 ± 72	56 ± 73	70 ± 95
TIA1 + CD44	171 ± 314	56 ± 41	64 ± 48	54 ± 41	75 ± 77
TIA1 + CD45	61 ± 87	26 ± 30	34 ± 28	27 ± 29	33 ± 34
TIA1 + CD45RA	107 ± 126	69 ± 77	96 ± 79	76 ± 80	80 ± 86
TIA1 + CD45RO	26 ± 32	12 ± 11	21 ± 21	14 ± 10	15 ± 11
TIA1 + CD52	92 ± 194	17 ± 31	17 ± 31	20 ± 30	33 ± 52
TIA1 + CD54	254 ± 359	119 ± 109	177 ± 115	133 ± 107	152 ± 132
TIA1 + CD56	31 ± 46	18 ± 39	24 ± 38	18 ± 39	18 ± 39
TIA1 + CD58	29 ± 25	28 ± 28	18 ± 21	28 ± 21	19 ± 21
TIA1 + CD62E	53 ± 99	15 ± 37	39 ± 65	18 ± 36	23 ± 39
TIA1 + CD62P	134 ± 249	45 ± 56	83 ± 101	60 ± 70	57 ± 68
TIA1 + CD68	46 ± 48	31 ± 46	46 ± 41	34 ± 45	44 ± 49
TIA1 + CD7	174 ± 300	69 ± 75	104 ± 91	67 ± 75	73 ± 83
TIA1 + CD8a	35 ± 27	23 ± 21	37 ± 25	27 ± 22	36 ± 35
TIA1 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CLA	12 ± 18	8 ± 11	7 ± 10	8 ± 11	24 ± 44
TIA1 + c-myc	34 ± 39	20 ± 30	28 ± 31	20 ± 30	21 ± 30
TIA1 + Collagen IV	137 ± 219	58 ± 60	98 ± 93	55 ± 61	142 ± 240
TIA1 + FXIIIA	31 ± 44	17 ± 34	24 ± 35	17 ± 34	17 ± 34
TIA1 + HLA-DR	228 ± 295	116 ± 101	149 ± 101	124 ± 103	138 ± 114
TIA1 + IL-22R	0 ± 0	2 ± 5	0 ± 0	0 ± 0	0 ± 0
TIA1 + IL-23R	0 ± 1	0 ± 0	1 ± 1	0 ± 1	0 ± 0
TIA1 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + PI	166 ± 211	87 ± 71	103 ± 66	97 ± 79	157 ± 197
TIA1 + Podoplanin	73 ± 74	40 ± 44	45 ± 43	40 ± 44	38 ± 46
TIA1 + SNA1	189 ± 272	85 ± 70	153 ± 110	83 ± 71	108 ± 94
TIA1 + STAT3	26 ± 37	16 ± 28	20 ± 29	14 ± 29	14 ± 29
TIA1 + Vimentin	124 ± 200	44 ± 48	76 ± 56	51 ± 48	63 ± 66

Tabelle 414: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Non-Responder identifizierten n=2 Patienten (Kapillaren)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	2741 ± 1638	2193 ± 1542	2378 ± 1573	2234 ± 1763	2287 ± 1696
Vimentin + BCL2	114 ± 140	61 ± 47	56 ± 45	52 ± 49	60 ± 45
Vimentin + CCR6	92 ± 111	47 ± 54	54 ± 49	52 ± 50	66 ± 57
Vimentin + CD11a	413 ± 527	193 ± 191	209 ± 198	176 ± 200	185 ± 196
Vimentin + CD11b	329 ± 205	383 ± 224	279 ± 206	295 ± 202	379 ± 205
Vimentin + CD120a	7 ± 5	4 ± 5	5 ± 5	6 ± 6	4 ± 5
Vimentin + CD120b	31 ± 53	20 ± 18	9 ± 9	29 ± 49	22 ± 33
Vimentin + CD138	19 ± 33	6 ± 9	12 ± 11	8 ± 9	6 ± 9
Vimentin + CD15	60 ± 92	61 ± 93	51 ± 92	102 ± 143	51 ± 92
Vimentin + CD1a	3 ± 8	6 ± 10	3 ± 8	3 ± 8	3 ± 8
Vimentin + CD2	437 ± 505	254 ± 174	257 ± 174	256 ± 178	399 ± 448
Vimentin + CD207	20 ± 38	15 ± 37	15 ± 37	14 ± 37	14 ± 37
Vimentin + CD24	10 ± 16	8 ± 7	53 ± 126	4 ± 4	4 ± 3
Vimentin + CD28	355 ± 480	162 ± 256	163 ± 256	207 ± 244	190 ± 255
Vimentin + CD29	4123 ± 1758	3025 ± 1993	3850 ± 1920	3411 ± 1700	3473 ± 1870
Vimentin + CD3	654 ± 773	393 ± 341	460 ± 359	509 ± 367	472 ± 447
Vimentin + CD31	3262 ± 2015	2468 ± 1952	2930 ± 1914	3247 ± 1819	2844 ± 1914
Vimentin + CD4	1391 ± 1210	927 ± 528	925 ± 542	1058 ± 582	1136 ± 763
Vimentin + CD44	1678 ± 1313	1519 ± 665	1357 ± 287	1151 ± 485	1423 ± 586
Vimentin + CD45	344 ± 513	142 ± 122	156 ± 131	150 ± 145	134 ± 130
Vimentin + CD45RA	201 ± 233	95 ± 55	94 ± 33	87 ± 38	87 ± 46
Vimentin + CD45RO	186 ± 298	66 ± 106	84 ± 102	74 ± 102	64 ± 106
Vimentin + CD52	425 ± 571	208 ± 388	220 ± 392	317 ± 451	232 ± 396
Vimentin + CD54	4354 ± 2477	3086 ± 2190	3660 ± 2064	3658 ± 1921	3415 ± 2096
Vimentin + CD56	86 ± 43	101 ± 38	90 ± 37	71 ± 50	72 ± 49
Vimentin + CD58	1067 ± 825	968 ± 851	789 ± 739	1071 ± 731	830 ± 722
Vimentin + CD62E	498 ± 311	298 ± 331	370 ± 318	369 ± 319	313 ± 319
Vimentin + CD62P	1703 ± 1017	1408 ± 1111	1635 ± 1020	1706 ± 1095	1634 ± 1065
Vimentin + CD68	1249 ± 727	1158 ± 820	1439 ± 645	1242 ± 803	1315 ± 735
Vimentin + CD7	312 ± 496	133 ± 106	205 ± 180	115 ± 111	145 ± 131
Vimentin + CD8a	118 ± 76	119 ± 69	107 ± 65	88 ± 74	104 ± 80
Vimentin + CK14	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
Vimentin + CLA	121 ± 157	67 ± 43	69 ± 44	62 ± 44	90 ± 80
Vimentin + c-myc	665 ± 1199	619 ± 1224	653 ± 1208	615 ± 1226	626 ± 1220
Vimentin + Collagen IV	3477 ± 1828	2423 ± 1294	2989 ± 1293	2708 ± 1190	2680 ± 1572
Vimentin + FXIIIA	155 ± 87	229 ± 162	143 ± 92	149 ± 88	188 ± 85
Vimentin + HLA-DR	4172 ± 1524	3223 ± 1389	3593 ± 1269	3392 ± 1695	3261 ± 1350
Vimentin + IL-22R	6 ± 8	18 ± 29	6 ± 8	6 ± 7	6 ± 8
Vimentin + IL-23R	30 ± 24	22 ± 22	22 ± 22	25 ± 20	42 ± 49
Vimentin + Ki67	4 ± 7	2 ± 5	2 ± 5	2 ± 5	5 ± 9
Vimentin + PI	3176 ± 1242	2378 ± 1079	2715 ± 1093	2629 ± 1184	2555 ± 1082
Vimentin + Podoplanin	2191 ± 1316	1455 ± 666	1634 ± 599	1481 ± 624	1441 ± 656
Vimentin + SNA1	4696 ± 2331	3238 ± 1671	4035 ± 1669	3493 ± 1471	3457 ± 1556
Vimentin + STAT3	55 ± 68	70 ± 85	48 ± 69	43 ± 71	43 ± 71
Vimentin + TIA1	124 ± 200	44 ± 48	76 ± 56	51 ± 48	63 ± 66

1.1.10 Duale Koexpression der extrakapillären Dermis für alle Patienten

Tabelle 415: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	20 ± 41	2 ± 5	11 ± 20	5 ± 9	3 ± 5
Aktin + CCR6	133 ± 200	63 ± 115	65 ± 82	44 ± 73	28 ± 57
Aktin + CD11a	47 ± 58	16 ± 33	13 ± 33	32 ± 51	27 ± 45
Aktin + CD11b	46 ± 46	42 ± 51	25 ± 46	57 ± 99	69 ± 76
Aktin + CD120a	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	9 ± 12	3 ± 4	1 ± 4	3 ± 7	3 ± 5
Aktin + CD138	91 ± 155	79 ± 167	79 ± 111	41 ± 95	31 ± 92
Aktin + CD15	18 ± 34	19 ± 53	5 ± 6	12 ± 19	3 ± 3
Aktin + CD1a	1 ± 2	1 ± 2	1 ± 3	0 ± 0	0 ± 1
Aktin + CD2	71 ± 97	19 ± 44	16 ± 44	26 ± 46	48 ± 82
Aktin + CD207	5 ± 15	0 ± 1	1 ± 2	0 ± 1	0 ± 1
Aktin + CD24	9 ± 15	3 ± 4	3 ± 4	4 ± 8	3 ± 4
Aktin + CD28	55 ± 86	16 ± 41	18 ± 41	39 ± 64	34 ± 54
Aktin + CD29	662 ± 692	273 ± 376	318 ± 359	311 ± 395	309 ± 396
Aktin + CD3	61 ± 63	40 ± 57	27 ± 43	88 ± 171	60 ± 92
Aktin + CD31	132 ± 176	105 ± 172	100 ± 173	122 ± 217	110 ± 191
Aktin + CD4	136 ± 178	67 ± 124	55 ± 119	95 ± 177	103 ± 165
Aktin + CD44	247 ± 517	81 ± 81	55 ± 45	102 ± 146	98 ± 130
Aktin + CD45	65 ± 88	7 ± 11	7 ± 11	15 ± 22	17 ± 21
Aktin + CD45RA	133 ± 166	97 ± 131	85 ± 107	64 ± 104	56 ± 101
Aktin + CD45RO	99 ± 175	67 ± 139	78 ± 113	50 ± 104	35 ± 95
Aktin + CD52	97 ± 142	40 ± 83	31 ± 65	41 ± 74	41 ± 69
Aktin + CD54	525 ± 751	174 ± 361	183 ± 357	213 ± 378	215 ± 376
Aktin + CD56	179 ± 255	91 ± 168	95 ± 121	61 ± 110	48 ± 102
Aktin + CD58	109 ± 134	77 ± 121	71 ± 111	68 ± 114	60 ± 114
Aktin + CD62E	6 ± 12	7 ± 16	10 ± 22	4 ± 11	4 ± 11
Aktin + CD62P	31 ± 51	30 ± 51	33 ± 50	29 ± 51	27 ± 52
Aktin + CD68	232 ± 227	91 ± 125	130 ± 133	108 ± 131	100 ± 137
Aktin + CD7	32 ± 38	24 ± 30	13 ± 23	24 ± 29	26 ± 41
Aktin + CD8a	22 ± 28	12 ± 21	9 ± 20	14 ± 25	13 ± 21
Aktin + CK14	25 ± 63	10 ± 24	27 ± 47	7 ± 23	7 ± 23
Aktin + CLA	20 ± 24	6 ± 8	6 ± 7	9 ± 14	8 ± 12
Aktin + c-myc	257 ± 380	184 ± 367	211 ± 351	148 ± 349	133 ± 351
Aktin + Collagen IV	510 ± 682	298 ± 597	322 ± 593	375 ± 664	375 ± 624
Aktin + FXIIIA	189 ± 288	93 ± 154	94 ± 119	62 ± 90	69 ± 94
Aktin + HLA-DR	388 ± 382	190 ± 155	169 ± 145	223 ± 280	183 ± 189
Aktin + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + IL-23R	7 ± 11	9 ± 15	9 ± 15	3 ± 6	5 ± 8
Aktin + Ki67	1 ± 3	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Aktin + PI	334 ± 385	145 ± 245	145 ± 245	208 ± 320	184 ± 271
Aktin + Podoplanin	118 ± 177	81 ± 152	60 ± 90	52 ± 97	35 ± 91
Aktin + SNA1	468 ± 465	222 ± 218	235 ± 218	240 ± 320	208 ± 243
Aktin + STAT3	125 ± 216	90 ± 177	92 ± 122	54 ± 108	38 ± 103
Aktin + TIA1	62 ± 86	63 ± 86	41 ± 56	39 ± 59	32 ± 58
Aktin + Vimentin	363 ± 346	189 ± 272	190 ± 249	172 ± 252	149 ± 248

Tabelle 416: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	20 ± 41	2 ± 5	11 ± 20	5 ± 9	3 ± 5
BCL2 + CCR6	238 ± 366	70 ± 106	149 ± 184	456 ± 777	416 ± 797
BCL2 + CD11a	1316 ± 1860	309 ± 374	1463 ± 2718	1372 ± 2185	1815 ± 3513
BCL2 + CD11b	334 ± 330	167 ± 143	278 ± 373	204 ± 140	1011 ± 1881
BCL2 + CD120a	1 ± 3	1 ± 1	3 ± 7	2 ± 3	15 ± 45
BCL2 + CD120b	335 ± 902	39 ± 92	79 ± 112	106 ± 175	1153 ± 2823
BCL2 + CD138	24 ± 39	11 ± 24	20 ± 29	17 ± 31	24 ± 33
BCL2 + CD15	46 ± 110	18 ± 34	16 ± 33	18 ± 32	17 ± 35
BCL2 + CD1a	14 ± 30	77 ± 247	4 ± 6	5 ± 10	46 ± 116
BCL2 + CD2	1496 ± 2002	384 ± 486	1547 ± 2653	1495 ± 2276	2193 ± 4248
BCL2 + CD207	44 ± 93	78 ± 239	57 ± 106	26 ± 48	82 ± 186
BCL2 + CD24	3 ± 5	1 ± 3	5 ± 9	4 ± 7	1 ± 3
BCL2 + CD28	1128 ± 1830	216 ± 324	872 ± 1808	996 ± 1549	1825 ± 3848
BCL2 + CD29	303 ± 348	71 ± 55	150 ± 161	188 ± 248	132 ± 58
BCL2 + CD3	1356 ± 1951	398 ± 484	1530 ± 2816	1438 ± 2164	2167 ± 4263
BCL2 + CD31	13 ± 24	5 ± 8	23 ± 44	30 ± 62	26 ± 68
BCL2 + CD4	1220 ± 1521	329 ± 410	1079 ± 1757	1395 ± 2240	2124 ± 4178
BCL2 + CD44	1016 ± 902	452 ± 555	1528 ± 2582	1137 ± 1405	1135 ± 1468
BCL2 + CD45	1390 ± 2035	278 ± 354	1260 ± 2163	1358 ± 2169	1760 ± 3559
BCL2 + CD45RA	367 ± 444	98 ± 106	295 ± 389	354 ± 597	523 ± 1095
BCL2 + CD45RO	900 ± 1392	147 ± 220	1151 ± 2439	1074 ± 1780	1840 ± 4064
BCL2 + CD52	1083 ± 1768	227 ± 317	1061 ± 2245	1083 ± 1734	1727 ± 3790
BCL2 + CD54	1383 ± 2113	306 ± 472	618 ± 901	1118 ± 1778	1231 ± 2319
BCL2 + CD56	56 ± 44	19 ± 25	72 ± 104	47 ± 65	54 ± 62
BCL2 + CD58	69 ± 63	115 ± 293	30 ± 43	367 ± 1073	806 ± 1933
BCL2 + CD62E	2 ± 3	2 ± 4	11 ± 25	1 ± 2	1 ± 2
BCL2 + CD62P	2 ± 3	2 ± 4	4 ± 7	1 ± 2	1 ± 2
BCL2 + CD68	360 ± 326	148 ± 135	430 ± 625	486 ± 828	381 ± 498
BCL2 + CD7	757 ± 861	184 ± 284	895 ± 1504	1102 ± 1638	1533 ± 3249
BCL2 + CD8a	322 ± 306	151 ± 150	405 ± 612	443 ± 558	1198 ± 2746
BCL2 + CK14	10 ± 29	14 ± 29	18 ± 36	11 ± 29	11 ± 29
BCL2 + CLA	381 ± 417	135 ± 130	426 ± 647	359 ± 421	386 ± 458
BCL2 + c-myc	177 ± 183	114 ± 144	122 ± 96	77 ± 83	98 ± 97
BCL2 + Collagen IV	97 ± 81	59 ± 69	149 ± 188	109 ± 131	103 ± 85
BCL2 + FXIIIA	223 ± 257	103 ± 116	454 ± 713	240 ± 315	291 ± 308
BCL2 + HLA-DR	1158 ± 1141	426 ± 512	1293 ± 2264	863 ± 933	1004 ± 1309
BCL2 + IL-22R	1 ± 2	1 ± 2	1 ± 2	7 ± 21	12 ± 28
BCL2 + IL-23R	37 ± 30	48 ± 109	55 ± 127	39 ± 37	42 ± 40
BCL2 + Ki67	13 ± 23	4 ± 8	67 ± 209	8 ± 12	10 ± 17
BCL2 + PI	1753 ± 1937	524 ± 577	2226 ± 4004	1238 ± 1555	1864 ± 2925
BCL2 + Podoplanin	47 ± 79	20 ± 24	9 ± 8	54 ± 87	26 ± 40
BCL2 + SNA1	248 ± 168	167 ± 238	381 ± 597	165 ± 140	148 ± 113
BCL2 + STAT3	5 ± 6	2 ± 4	4 ± 7	18 ± 49	2 ± 3
BCL2 + TIA1	145 ± 230	35 ± 55	98 ± 127	93 ± 112	271 ± 571
BCL2 + Vimentin	1275 ± 1109	479 ± 562	1519 ± 2383	1180 ± 1668	712 ± 547

Tabelle 417: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	133 ± 200	63 ± 115	65 ± 82	44 ± 73	28 ± 57
CCR6 + BCL2	238 ± 366	70 ± 106	149 ± 184	456 ± 777	416 ± 797
CCR6 + CD11a	765 ± 949	262 ± 450	446 ± 490	1461 ± 1984	866 ± 1226
CCR6 + CD11b	353 ± 507	206 ± 334	201 ± 332	392 ± 471	583 ± 688
CCR6 + CD120a	1 ± 1	0 ± 0	1 ± 1	4 ± 8	8 ± 21
CCR6 + CD120b	171 ± 349	37 ± 86	60 ± 96	148 ± 184	456 ± 1023
CCR6 + CD138	81 ± 144	67 ± 137	72 ± 93	37 ± 63	25 ± 53
CCR6 + CD15	21 ± 38	21 ± 63	8 ± 12	32 ± 46	4 ± 4
CCR6 + CD1a	8 ± 10	4 ± 9	5 ± 9	10 ± 13	28 ± 48
CCR6 + CD2	721 ± 893	264 ± 458	428 ± 471	1398 ± 1818	1034 ± 1525
CCR6 + CD207	39 ± 70	11 ± 25	22 ± 33	37 ± 58	51 ± 66
CCR6 + CD24	25 ± 38	10 ± 14	14 ± 21	29 ± 48	11 ± 10
CCR6 + CD28	587 ± 759	175 ± 365	311 ± 383	1075 ± 1486	827 ± 1392
CCR6 + CD29	274 ± 347	110 ± 111	108 ± 69	202 ± 260	120 ± 107
CCR6 + CD3	799 ± 1019	287 ± 466	468 ± 498	1573 ± 1996	1078 ± 1611
CCR6 + CD31	3 ± 6	2 ± 3	3 ± 5	8 ± 15	3 ± 4
CCR6 + CD4	663 ± 717	241 ± 438	393 ± 430	1396 ± 1908	1009 ± 1525
CCR6 + CD44	1007 ± 1133	384 ± 483	586 ± 549	1587 ± 1624	1013 ± 1111
CCR6 + CD45	797 ± 1022	234 ± 403	430 ± 457	1435 ± 1936	850 ± 1197
CCR6 + CD45RA	370 ± 327	235 ± 230	255 ± 201	456 ± 384	303 ± 279
CCR6 + CD45RO	521 ± 579	187 ± 304	339 ± 385	1086 ± 1427	801 ± 1447
CCR6 + CD52	645 ± 875	240 ± 422	373 ± 450	1235 ± 1627	893 ± 1392
CCR6 + CD54	803 ± 1146	189 ± 350	293 ± 354	1097 ± 1592	723 ± 1066
CCR6 + CD56	222 ± 273	144 ± 188	154 ± 144	237 ± 247	100 ± 78
CCR6 + CD58	97 ± 115	76 ± 117	80 ± 103	375 ± 888	380 ± 809
CCR6 + CD62E	1 ± 3	4 ± 14	0 ± 1	1 ± 1	1 ± 2
CCR6 + CD62P	10 ± 18	8 ± 15	9 ± 14	6 ± 14	7 ± 14
CCR6 + CD68	415 ± 410	175 ± 286	279 ± 316	609 ± 686	346 ± 379
CCR6 + CD7	464 ± 498	169 ± 330	312 ± 353	1097 ± 1466	662 ± 1041
CCR6 + CD8a	242 ± 265	124 ± 191	166 ± 191	482 ± 531	435 ± 680
CCR6 + CK14	25 ± 60	9 ± 22	26 ± 45	8 ± 21	8 ± 21
CCR6 + CLA	270 ± 360	109 ± 141	170 ± 168	376 ± 374	237 ± 206
CCR6 + c-myc	110 ± 180	98 ± 210	84 ± 95	83 ± 164	31 ± 47
CCR6 + Collagen IV	28 ± 38	19 ± 34	24 ± 32	89 ± 103	56 ± 119
CCR6 + FXIIIA	286 ± 296	176 ± 181	216 ± 180	413 ± 406	238 ± 149
CCR6 + HLA-DR	1022 ± 998	436 ± 443	623 ± 520	1356 ± 1230	901 ± 801
CCR6 + IL-22R	1 ± 1	1 ± 1	1 ± 1	4 ± 9	5 ± 10
CCR6 + IL-23R	11 ± 14	11 ± 14	16 ± 22	29 ± 40	18 ± 20
CCR6 + Ki67	2 ± 4	0 ± 0	0 ± 1	11 ± 16	1 ± 1
CCR6 + PI	728 ± 809	260 ± 396	408 ± 424	1088 ± 1319	826 ± 1001
CCR6 + Podoplanin	213 ± 274	174 ± 231	121 ± 102	195 ± 170	91 ± 79
CCR6 + SNA1	313 ± 284	169 ± 153	235 ± 187	284 ± 221	187 ± 97
CCR6 + STAT3	125 ± 236	105 ± 197	109 ± 124	87 ± 113	34 ± 63
CCR6 + TIA1	159 ± 129	109 ± 133	103 ± 77	166 ± 148	130 ± 111
CCR6 + Vimentin	764 ± 830	313 ± 454	470 ± 523	1160 ± 1329	579 ± 584

Tabelle 418: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	47 ± 58	16 ± 33	13 ± 33	32 ± 51	27 ± 45
CD11a + BCL2	1316 ± 1860	309 ± 374	1463 ± 2718	1372 ± 2185	1815 ± 3513
CD11a + CCR6	765 ± 949	262 ± 450	446 ± 490	1461 ± 1984	866 ± 1226
CD11a + CD11b	3080 ± 2409	1628 ± 2406	1803 ± 2397	2331 ± 2245	3674 ± 3344
CD11a + CD120a	62 ± 152	4 ± 6	19 ± 29	127 ± 292	82 ± 185
CD11a + CD120b	1601 ± 2614	278 ± 431	551 ± 594	704 ± 740	2921 ± 6273
CD11a + CD138	25 ± 48	2 ± 5	4 ± 6	21 ± 44	5 ± 8
CD11a + CD15	306 ± 418	25 ± 30	70 ± 137	251 ± 425	24 ± 27
CD11a + CD1a	68 ± 79	176 ± 511	29 ± 39	36 ± 39	145 ± 261
CD11a + CD2	10171 ± 8965	3113 ± 4653	6580 ± 5610	8919 ± 9779	8245 ± 10265
CD11a + CD207	298 ± 444	244 ± 490	242 ± 283	214 ± 268	338 ± 432
CD11a + CD24	298 ± 302	108 ± 114	209 ± 200	421 ± 413	257 ± 328
CD11a + CD28	8221 ± 8222	1959 ± 3488	3948 ± 4402	7241 ± 8430	7027 ± 9930
CD11a + CD29	1145 ± 818	296 ± 263	421 ± 248	810 ± 1118	560 ± 483
CD11a + CD3	11734 ± 10226	3766 ± 4926	8014 ± 7077	12391 ± 14012	9311 ± 10552
CD11a + CD31	24 ± 42	28 ± 53	20 ± 43	93 ± 194	77 ± 145
CD11a + CD4	9849 ± 6759	3250 ± 5111	6590 ± 5651	10846 ± 13629	8681 ± 10448
CD11a + CD44	8823 ± 5142	3242 ± 3367	7945 ± 6681	10654 ± 10583	6249 ± 4315
CD11a + CD45	11569 ± 10534	2622 ± 3751	7042 ± 6243	11228 ± 14509	7146 ± 8855
CD11a + CD45RA	2737 ± 1713	828 ± 1180	1723 ± 1366	2642 ± 2940	1903 ± 2269
CD11a + CD45RO	6048 ± 5272	1319 ± 2790	4212 ± 4961	6319 ± 7635	5962 ± 10226
CD11a + CD52	8043 ± 8622	1915 ± 3668	4538 ± 5549	7857 ± 10368	6425 ± 9585
CD11a + CD54	9583 ± 10475	2242 ± 3226	3738 ± 3625	8407 ± 10723	5184 ± 5259
CD11a + CD56	285 ± 256	58 ± 59	187 ± 184	197 ± 228	109 ± 79
CD11a + CD58	630 ± 888	438 ± 744	269 ± 507	2469 ± 6398	2260 ± 4368
CD11a + CD62E	3 ± 6	0 ± 0	4 ± 8	2 ± 5	2 ± 4
CD11a + CD62P	11 ± 33	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD11a + CD68	1037 ± 1239	458 ± 1183	1120 ± 1312	1498 ± 2205	856 ± 1327
CD11a + CD7	5201 ± 3562	1717 ± 2659	4440 ± 3873	7415 ± 8966	5416 ± 7292
CD11a + CD8a	3286 ± 1930	1562 ± 1992	2705 ± 2186	3862 ± 3363	4196 ± 5582
CD11a + CK14	4 ± 5	3 ± 5	8 ± 16	17 ± 36	6 ± 6
CD11a + CLA	2740 ± 2067	857 ± 845	1992 ± 1537	2364 ± 2039	1740 ± 1007
CD11a + c-myc	135 ± 131	47 ± 107	66 ± 108	162 ± 214	58 ± 105
CD11a + Collagen IV	788 ± 776	324 ± 462	714 ± 684	1024 ± 1201	636 ± 669
CD11a + FXIIIA	250 ± 180	123 ± 84	352 ± 410	618 ± 894	386 ± 338
CD11a + HLA-DR	9603 ± 6085	3203 ± 3372	6691 ± 5535	8461 ± 7513	5920 ± 4134
CD11a + IL-22R	5 ± 9	3 ± 5	3 ± 4	33 ± 85	20 ± 41
CD11a + IL-23R	37 ± 92	9 ± 21	11 ± 26	96 ± 206	27 ± 51
CD11a + Ki67	23 ± 47	6 ± 11	46 ± 137	9 ± 12	16 ± 22
CD11a + PI	9785 ± 7490	2957 ± 4349	6852 ± 6296	9125 ± 9975	7063 ± 6972
CD11a + Podoplanin	299 ± 503	145 ± 293	54 ± 132	379 ± 631	119 ± 173
CD11a + SNA1	2216 ± 2556	610 ± 501	1375 ± 1353	1038 ± 792	750 ± 453
CD11a + STAT3	23 ± 35	3 ± 5	6 ± 8	34 ± 73	4 ± 6
CD11a + TIA1	1081 ± 809	416 ± 715	718 ± 737	960 ± 807	1037 ± 1106
CD11a + Vimentin	4145 ± 2940	1348 ± 2173	3407 ± 3466	4387 ± 5281	2008 ± 2147

Tabelle 419: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	46 ± 46	42 ± 51	25 ± 46	57 ± 99	69 ± 76
CD11b + BCL2	334 ± 330	167 ± 143	278 ± 373	204 ± 140	1011 ± 1881
CD11b + CCR6	353 ± 507	206 ± 334	201 ± 332	392 ± 471	583 ± 688
CD11b + CD11a	3080 ± 2409	1628 ± 2406	1803 ± 2397	2331 ± 2245	3674 ± 3344
CD11b + CD120a	29 ± 35	8 ± 13	10 ± 13	60 ± 107	145 ± 351
CD11b + CD120b	357 ± 437	222 ± 273	177 ± 267	342 ± 345	1368 ± 2537
CD11b + CD138	23 ± 36	17 ± 32	25 ± 37	19 ± 32	23 ± 30
CD11b + CD15	807 ± 1092	88 ± 102	367 ± 856	1378 ± 2788	98 ± 95
CD11b + CD1a	12 ± 21	35 ± 80	7 ± 19	10 ± 19	45 ± 76
CD11b + CD2	2509 ± 2170	1508 ± 2227	1586 ± 2214	2108 ± 2083	4219 ± 4403
CD11b + CD207	90 ± 184	59 ± 156	53 ± 157	78 ± 151	140 ± 179
CD11b + CD24	353 ± 302	205 ± 174	400 ± 719	1291 ± 1990	382 ± 306
CD11b + CD28	1507 ± 1444	711 ± 1400	792 ± 1374	1234 ± 1323	2759 ± 3784
CD11b + CD29	849 ± 607	662 ± 654	538 ± 669	862 ± 622	1129 ± 956
CD11b + CD3	2662 ± 2359	1736 ± 2238	1672 ± 2288	2833 ± 2316	4828 ± 5346
CD11b + CD31	32 ± 42	45 ± 60	25 ± 45	166 ± 337	73 ± 112
CD11b + CD4	3242 ± 2548	2203 ± 2761	2220 ± 2751	2993 ± 2548	5377 ± 4592
CD11b + CD44	4993 ± 2607	3992 ± 3030	3982 ± 3109	6436 ± 3621	7713 ± 2331
CD11b + CD45	2810 ± 2191	1162 ± 1660	1399 ± 1626	1992 ± 1422	3308 ± 3288
CD11b + CD45RA	921 ± 813	743 ± 899	703 ± 922	936 ± 859	1399 ± 1104
CD11b + CD45RO	1631 ± 1612	603 ± 1336	961 ± 1401	1432 ± 1355	2874 ± 4736
CD11b + CD52	1720 ± 2032	826 ± 1835	996 ± 1833	1365 ± 1694	2806 ± 4137
CD11b + CD54	3640 ± 3020	1970 ± 2469	1950 ± 2476	2603 ± 2226	4890 ± 3811
CD11b + CD56	231 ± 149	209 ± 169	175 ± 172	277 ± 218	367 ± 192
CD11b + CD58	205 ± 322	213 ± 338	163 ± 340	337 ± 380	1227 ± 2325
CD11b + CD62E	16 ± 26	6 ± 13	34 ± 59	33 ± 74	9 ± 14
CD11b + CD62P	17 ± 23	17 ± 23	17 ± 22	27 ± 41	12 ± 18
CD11b + CD68	1750 ± 2019	1291 ± 2127	1564 ± 2045	1902 ± 1887	2487 ± 2256
CD11b + CD7	1261 ± 1249	786 ± 1291	831 ± 1261	1286 ± 1188	2291 ± 2689
CD11b + CD8a	727 ± 817	643 ± 852	559 ± 885	900 ± 866	1737 ± 2168
CD11b + CK14	9 ± 19	9 ± 19	12 ± 21	11 ± 19	13 ± 20
CD11b + CLA	921 ± 481	464 ± 487	590 ± 533	1022 ± 655	971 ± 408
CD11b + c-myc	204 ± 232	139 ± 244	133 ± 246	180 ± 240	204 ± 240
CD11b + Collagen IV	657 ± 630	576 ± 628	550 ± 636	1080 ± 798	1184 ± 1082
CD11b + FXIIIA	1957 ± 1713	1836 ± 1788	1841 ± 1739	2609 ± 2057	3555 ± 1874
CD11b + HLA-DR	6955 ± 3523	5609 ± 4414	5464 ± 4496	8011 ± 5438	9584 ± 2524
CD11b + IL-22R	3 ± 7	2 ± 7	2 ± 7	4 ± 7	13 ± 25
CD11b + IL-23R	110 ± 79	83 ± 107	85 ± 93	218 ± 214	169 ± 161
CD11b + Ki67	7 ± 9	5 ± 8	9 ± 17	11 ± 13	31 ± 64
CD11b + PI	3877 ± 2298	2695 ± 2800	2816 ± 2812	3967 ± 3088	5821 ± 2777
CD11b + Podoplanin	174 ± 156	232 ± 370	81 ± 127	129 ± 116	174 ± 167
CD11b + SNA1	2303 ± 1172	1795 ± 1038	1807 ± 1033	2341 ± 1008	2474 ± 1052
CD11b + STAT3	45 ± 48	26 ± 39	27 ± 40	67 ± 141	25 ± 41
CD11b + TIA1	673 ± 737	301 ± 625	474 ± 740	990 ± 1393	629 ± 714
CD11b + Vimentin	3390 ± 2409	2581 ± 2607	2700 ± 2636	3905 ± 2693	4374 ± 2236

Tabelle 420: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	1 ± 3	1 ± 1	3 ± 7	2 ± 3	15 ± 45
CD120a + CCR6	1 ± 1	0 ± 0	1 ± 1	4 ± 8	8 ± 21
CD120a + CD11a	62 ± 152	4 ± 6	19 ± 29	127 ± 292	82 ± 185
CD120a + CD11b	29 ± 35	8 ± 13	10 ± 13	60 ± 107	145 ± 351
CD120a + CD120b	16 ± 24	8 ± 13	11 ± 13	20 ± 36	73 ± 175
CD120a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD120a + CD15	9 ± 14	1 ± 2	1 ± 2	28 ± 73	1 ± 2
CD120a + CD1a	2 ± 6	1 ± 5	6 ± 19	1 ± 4	7 ± 23
CD120a + CD2	19 ± 26	4 ± 9	9 ± 13	27 ± 47	72 ± 187
CD120a + CD207	3 ± 6	1 ± 4	11 ± 24	2 ± 6	8 ± 25
CD120a + CD24	10 ± 12	7 ± 13	8 ± 13	39 ± 72	18 ± 33
CD120a + CD28	39 ± 88	4 ± 7	13 ± 21	50 ± 126	86 ± 211
CD120a + CD29	17 ± 18	5 ± 9	9 ± 12	12 ± 13	12 ± 21
CD120a + CD3	36 ± 64	7 ± 10	17 ± 25	91 ± 188	138 ± 350
CD120a + CD31	2 ± 7	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD120a + CD4	94 ± 232	8 ± 12	31 ± 46	107 ± 235	120 ± 291
CD120a + CD44	111 ± 183	29 ± 34	58 ± 55	217 ± 381	151 ± 270
CD120a + CD45	59 ± 121	4 ± 6	28 ± 47	147 ± 357	88 ± 211
CD120a + CD45RA	21 ± 40	3 ± 7	5 ± 8	9 ± 14	25 ± 52
CD120a + CD45RO	25 ± 58	2 ± 2	11 ± 21	74 ± 174	119 ± 314
CD120a + CD52	33 ± 68	5 ± 9	8 ± 13	47 ± 102	97 ± 279
CD120a + CD54	134 ± 298	12 ± 21	36 ± 53	185 ± 389	129 ± 316
CD120a + CD56	2 ± 3	1 ± 1	1 ± 2	14 ± 30	2 ± 6
CD120a + CD58	11 ± 27	3 ± 5	4 ± 6	65 ± 145	78 ± 203
CD120a + CD62E	1 ± 4	0 ± 0	0 ± 0	0 ± 0	3 ± 7
CD120a + CD62P	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD68	14 ± 33	2 ± 4	12 ± 18	38 ± 79	27 ± 45
CD120a + CD7	14 ± 20	2 ± 3	12 ± 24	34 ± 63	57 ± 139
CD120a + CD8a	12 ± 31	1 ± 2	2 ± 2	7 ± 8	41 ± 116
CD120a + CK14	0 ± 1	0 ± 1	0 ± 1	1 ± 1	2 ± 4
CD120a + CLA	6 ± 8	1 ± 2	11 ± 19	13 ± 23	10 ± 23
CD120a + c-myc	5 ± 6	1 ± 2	3 ± 5	22 ± 44	7 ± 10
CD120a + Collagen IV	50 ± 97	7 ± 10	16 ± 22	52 ± 94	18 ± 15
CD120a + FXIIIA	8 ± 9	6 ± 10	9 ± 9	14 ± 17	19 ± 26
CD120a + HLA-DR	224 ± 485	36 ± 46	68 ± 77	217 ± 384	138 ± 244
CD120a + IL-22R	0 ± 0	0 ± 1	1 ± 2	1 ± 2	5 ± 14
CD120a + IL-23R	45 ± 136	5 ± 17	5 ± 14	68 ± 152	7 ± 16
CD120a + Ki67	0 ± 0	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD120a + PI	34 ± 59	7 ± 11	17 ± 21	36 ± 60	49 ± 96
CD120a + Podoplanin	1 ± 1	1 ± 2	0 ± 1	10 ± 21	1 ± 2
CD120a + SNA1	89 ± 181	20 ± 31	29 ± 36	46 ± 65	45 ± 57
CD120a + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + TIA1	5 ± 12	1 ± 1	1 ± 2	7 ± 14	7 ± 15
CD120a + Vimentin	42 ± 80	9 ± 10	30 ± 35	55 ± 91	40 ± 55

Tabelle 421: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	9 ± 12	3 ± 4	1 ± 4	3 ± 7	3 ± 5
CD120b + BCL2	335 ± 902	39 ± 92	79 ± 112	106 ± 175	1153 ± 2823
CD120b + CCR6	171 ± 349	37 ± 86	60 ± 96	148 ± 184	456 ± 1023
CD120b + CD11a	1601 ± 2614	278 ± 431	551 ± 594	704 ± 740	2921 ± 6273
CD120b + CD11b	357 ± 437	222 ± 273	177 ± 267	342 ± 345	1368 ± 2537
CD120b + CD120a	16 ± 24	8 ± 13	11 ± 13	20 ± 36	73 ± 175
CD120b + CD138	8 ± 18	3 ± 6	2 ± 5	2 ± 4	3 ± 5
CD120b + CD15	260 ± 454	129 ± 203	108 ± 132	186 ± 188	160 ± 219
CD120b + CD1a	32 ± 38	84 ± 259	15 ± 21	17 ± 24	143 ± 299
CD120b + CD2	1234 ± 2529	204 ± 383	417 ± 485	486 ± 521	3153 ± 7167
CD120b + CD207	100 ± 201	80 ± 204	54 ± 75	36 ± 58	216 ± 423
CD120b + CD24	1664 ± 1738	1116 ± 731	1195 ± 612	1541 ± 1435	1687 ± 1008
CD120b + CD28	1458 ± 2556	214 ± 407	414 ± 457	674 ± 678	3335 ± 7398
CD120b + CD29	1296 ± 919	631 ± 496	782 ± 370	932 ± 673	824 ± 428
CD120b + CD3	1773 ± 2697	483 ± 500	737 ± 711	1006 ± 800	3889 ± 8280
CD120b + CD31	4 ± 6	3 ± 6	3 ± 6	4 ± 7	35 ± 89
CD120b + CD4	1404 ± 2392	239 ± 433	494 ± 538	598 ± 643	3436 ± 7657
CD120b + CD44	2736 ± 1933	1468 ± 852	1806 ± 1099	2241 ± 1368	3551 ± 4021
CD120b + CD45	1580 ± 2632	246 ± 368	516 ± 557	734 ± 816	2935 ± 6420
CD120b + CD45RA	729 ± 613	209 ± 284	266 ± 287	376 ± 259	1112 ± 1860
CD120b + CD45RO	952 ± 1910	121 ± 294	330 ± 401	443 ± 524	2995 ± 7069
CD120b + CD52	1316 ± 2476	264 ± 437	406 ± 477	641 ± 684	3119 ± 7143
CD120b + CD54	1900 ± 2735	416 ± 443	462 ± 451	692 ± 598	2420 ± 4805
CD120b + CD56	40 ± 30	24 ± 21	23 ± 15	30 ± 18	50 ± 51
CD120b + CD58	210 ± 396	130 ± 266	58 ± 128	250 ± 414	1686 ± 4091
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 1	2 ± 6	2 ± 4
CD120b + CD62P	110 ± 328	25 ± 57	19 ± 33	10 ± 14	7 ± 14
CD120b + CD68	164 ± 205	45 ± 114	105 ± 131	123 ± 157	282 ± 518
CD120b + CD7	876 ± 1290	176 ± 360	507 ± 563	642 ± 656	2507 ± 5741
CD120b + CD8a	316 ± 391	126 ± 196	155 ± 196	242 ± 226	1666 ± 4025
CD120b + CK14	2 ± 4	1 ± 1	1 ± 1	1 ± 2	4 ± 8
CD120b + CLA	327 ± 562	71 ± 102	169 ± 177	186 ± 188	496 ± 892
CD120b + c-myc	25 ± 32	10 ± 18	9 ± 13	10 ± 15	13 ± 20
CD120b + Collagen IV	210 ± 194	157 ± 137	171 ± 110	238 ± 188	284 ± 214
CD120b + FXIIIA	29 ± 37	23 ± 25	27 ± 25	26 ± 17	127 ± 229
CD120b + HLA-DR	2276 ± 1741	1115 ± 668	1135 ± 636	1656 ± 1219	2728 ± 3211
CD120b + IL-22R	1 ± 2	1 ± 2	1 ± 2	4 ± 8	16 ± 39
CD120b + IL-23R	12 ± 35	1 ± 3	1 ± 2	10 ± 27	18 ± 42
CD120b + Ki67	0 ± 0	1 ± 5	1 ± 4	0 ± 0	2 ± 6
CD120b + PI	1847 ± 1921	579 ± 421	774 ± 656	924 ± 676	2877 ± 4797
CD120b + Podoplanin	57 ± 70	81 ± 194	11 ± 21	38 ± 52	62 ± 100
CD120b + SNA1	685 ± 524	457 ± 287	500 ± 230	467 ± 322	665 ± 360
CD120b + STAT3	22 ± 49	6 ± 11	13 ± 33	3 ± 4	2 ± 3
CD120b + TIA1	145 ± 274	30 ± 57	40 ± 57	66 ± 76	311 ± 701
CD120b + Vimentin	465 ± 702	128 ± 217	224 ± 268	242 ± 289	476 ± 842

Tabelle 422: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	91 ± 155	79 ± 167	79 ± 111	41 ± 95	31 ± 92
CD138 + BCL2	24 ± 39	11 ± 24	20 ± 29	17 ± 31	24 ± 33
CD138 + CCR6	81 ± 144	67 ± 137	72 ± 93	37 ± 63	25 ± 53
CD138 + CD11a	25 ± 48	2 ± 5	4 ± 6	21 ± 44	5 ± 8
CD138 + CD11b	23 ± 36	17 ± 32	25 ± 37	19 ± 32	23 ± 30
CD138 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD138 + CD120b	8 ± 18	3 ± 6	2 ± 5	2 ± 4	3 ± 5
CD138 + CD15	20 ± 47	24 ± 70	7 ± 8	9 ± 18	6 ± 11
CD138 + CD1a	1 ± 2	0 ± 1	2 ± 4	0 ± 1	1 ± 1
CD138 + CD2	21 ± 36	4 ± 11	6 ± 11	18 ± 33	18 ± 25
CD138 + CD207	4 ± 13	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD138 + CD24	13 ± 30	5 ± 12	9 ± 13	5 ± 11	6 ± 13
CD138 + CD28	31 ± 75	2 ± 4	7 ± 9	17 ± 36	8 ± 10
CD138 + CD29	105 ± 175	80 ± 138	90 ± 91	56 ± 69	41 ± 65
CD138 + CD3	25 ± 47	9 ± 20	8 ± 11	28 ± 52	14 ± 19
CD138 + CD31	4 ± 7	1 ± 3	3 ± 6	13 ± 36	2 ± 4
CD138 + CD4	23 ± 49	1 ± 3	3 ± 3	22 ± 54	11 ± 16
CD138 + CD44	95 ± 145	62 ± 111	57 ± 56	59 ± 71	54 ± 54
CD138 + CD45	34 ± 61	5 ± 10	8 ± 9	23 ± 50	13 ± 22
CD138 + CD45RA	86 ± 137	82 ± 156	84 ± 109	49 ± 96	46 ± 92
CD138 + CD45RO	84 ± 159	75 ± 155	108 ± 137	50 ± 100	41 ± 96
CD138 + CD52	35 ± 67	26 ± 70	24 ± 29	27 ± 52	13 ± 20
CD138 + CD54	68 ± 122	14 ± 36	26 ± 43	38 ± 68	33 ± 40
CD138 + CD56	108 ± 175	124 ± 239	124 ± 140	65 ± 103	53 ± 100
CD138 + CD58	41 ± 66	45 ± 73	42 ± 49	42 ± 59	24 ± 42
CD138 + CD62E	7 ± 12	8 ± 13	15 ± 35	4 ± 8	6 ± 11
CD138 + CD62P	23 ± 40	15 ± 25	24 ± 35	12 ± 26	15 ± 26
CD138 + CD68	71 ± 113	43 ± 80	81 ± 113	48 ± 66	27 ± 53
CD138 + CD7	18 ± 34	4 ± 7	8 ± 8	11 ± 17	8 ± 10
CD138 + CD8a	9 ± 13	6 ± 11	5 ± 9	4 ± 8	5 ± 9
CD138 + CK14	41 ± 76	47 ± 90	54 ± 76	24 ± 56	23 ± 56
CD138 + CLA	18 ± 46	5 ± 9	8 ± 9	4 ± 8	8 ± 18
CD138 + c-myc	88 ± 146	138 ± 351	96 ± 106	38 ± 67	26 ± 57
CD138 + Collagen IV	18 ± 23	30 ± 55	20 ± 17	25 ± 30	19 ± 18
CD138 + FXIIIA	95 ± 152	104 ± 217	120 ± 146	51 ± 85	44 ± 79
CD138 + HLA-DR	143 ± 209	112 ± 172	120 ± 112	82 ± 107	73 ± 104
CD138 + IL-22R	1 ± 5	1 ± 5	2 ± 5	1 ± 5	2 ± 5
CD138 + IL-23R	15 ± 24	16 ± 26	22 ± 29	12 ± 16	10 ± 16
CD138 + Ki67	0 ± 1	1 ± 2	0 ± 1	2 ± 3	1 ± 3
CD138 + PI	79 ± 128	41 ± 71	55 ± 67	46 ± 51	42 ± 45
CD138 + Podoplanin	80 ± 129	91 ± 186	65 ± 90	44 ± 89	34 ± 85
CD138 + SNA1	95 ± 140	105 ± 199	106 ± 105	45 ± 70	49 ± 69
CD138 + STAT3	101 ± 173	128 ± 280	120 ± 142	52 ± 106	39 ± 103
CD138 + TIA1	41 ± 70	48 ± 95	35 ± 51	24 ± 51	18 ± 49
CD138 + Vimentin	88 ± 146	94 ± 206	89 ± 84	49 ± 51	39 ± 44

Tabelle 423: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	18 ± 34	19 ± 53	5 ± 6	12 ± 19	3 ± 3
CD15 + BCL2	46 ± 110	18 ± 34	16 ± 33	18 ± 32	17 ± 35
CD15 + CCR6	21 ± 38	21 ± 63	8 ± 12	32 ± 46	4 ± 4
CD15 + CD11a	306 ± 418	25 ± 30	70 ± 137	251 ± 425	24 ± 27
CD15 + CD11b	807 ± 1092	88 ± 102	367 ± 856	1378 ± 2788	98 ± 95
CD15 + CD120a	9 ± 14	1 ± 2	1 ± 2	28 ± 73	1 ± 2
CD15 + CD120b	260 ± 454	129 ± 203	108 ± 132	186 ± 188	160 ± 219
CD15 + CD138	20 ± 47	24 ± 70	7 ± 8	9 ± 18	6 ± 11
CD15 + CD1a	5 ± 14	0 ± 0	3 ± 9	0 ± 1	0 ± 0
CD15 + CD2	232 ± 324	27 ± 50	45 ± 70	107 ± 146	38 ± 53
CD15 + CD207	6 ± 13	0 ± 0	1 ± 2	3 ± 9	2 ± 5
CD15 + CD24	459 ± 572	165 ± 233	409 ± 730	994 ± 1702	197 ± 232
CD15 + CD28	157 ± 232	8 ± 19	15 ± 21	97 ± 147	20 ± 29
CD15 + CD29	352 ± 455	179 ± 228	166 ± 203	246 ± 199	208 ± 249
CD15 + CD3	321 ± 410	59 ± 57	103 ± 150	371 ± 570	75 ± 86
CD15 + CD31	5 ± 13	1 ± 1	1 ± 2	87 ± 247	1 ± 1
CD15 + CD4	275 ± 415	37 ± 59	68 ± 112	159 ± 228	40 ± 52
CD15 + CD44	592 ± 524	249 ± 233	339 ± 322	900 ± 1102	311 ± 312
CD15 + CD45	299 ± 461	17 ± 22	72 ± 168	296 ± 612	44 ± 99
CD15 + CD45RA	103 ± 97	47 ± 67	51 ± 48	68 ± 52	41 ± 44
CD15 + CD45RO	312 ± 490	25 ± 54	128 ± 359	318 ± 657	16 ± 20
CD15 + CD52	207 ± 297	32 ± 47	47 ± 71	200 ± 354	27 ± 35
CD15 + CD54	472 ± 632	61 ± 77	80 ± 97	369 ± 657	78 ± 88
CD15 + CD56	28 ± 47	30 ± 76	10 ± 11	31 ± 43	7 ± 11
CD15 + CD58	16 ± 27	14 ± 40	3 ± 5	74 ± 157	2 ± 3
CD15 + CD62E	6 ± 14	3 ± 5	13 ± 35	29 ± 66	9 ± 23
CD15 + CD62P	112 ± 321	28 ± 56	32 ± 68	25 ± 36	15 ± 22
CD15 + CD68	108 ± 134	43 ± 52	59 ± 100	191 ± 306	30 ± 31
CD15 + CD7	167 ± 241	15 ± 26	35 ± 52	96 ± 118	25 ± 36
CD15 + CD8a	63 ± 84	10 ± 9	28 ± 59	75 ± 155	12 ± 14
CD15 + CK14	8 ± 25	2 ± 7	2 ± 4	3 ± 3	1 ± 1
CD15 + CLA	278 ± 480	19 ± 23	128 ± 312	352 ± 735	29 ± 32
CD15 + c-myc	39 ± 56	31 ± 79	11 ± 14	61 ± 95	7 ± 13
CD15 + Collagen IV	121 ± 164	33 ± 37	44 ± 54	246 ± 387	48 ± 57
CD15 + FXIIIA	112 ± 158	37 ± 71	130 ± 341	125 ± 202	25 ± 27
CD15 + HLA-DR	686 ± 661	213 ± 191	325 ± 442	631 ± 697	220 ± 195
CD15 + IL-22R	0 ± 1	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD15 + IL-23R	22 ± 59	3 ± 7	2 ± 4	56 ± 144	1 ± 2
CD15 + Ki67	0 ± 0	1 ± 2	0 ± 0	1 ± 3	1 ± 3
CD15 + PI	445 ± 484	81 ± 69	171 ± 266	296 ± 492	142 ± 159
CD15 + Podoplanin	26 ± 41	38 ± 70	8 ± 10	32 ± 45	7 ± 8
CD15 + SNA1	461 ± 655	139 ± 144	248 ± 302	476 ± 650	143 ± 135
CD15 + STAT3	37 ± 75	23 ± 74	22 ± 58	32 ± 77	1 ± 2
CD15 + TIA1	334 ± 574	51 ± 97	198 ± 460	577 ± 1171	29 ± 79
CD15 + Vimentin	268 ± 402	127 ± 187	110 ± 171	375 ± 558	122 ± 174

Tabelle 424: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	1 ± 2	1 ± 2	1 ± 3	0 ± 0	0 ± 1
CD1a + BCL2	14 ± 30	77 ± 247	4 ± 6	5 ± 10	46 ± 116
CD1a + CCR6	8 ± 10	4 ± 9	5 ± 9	10 ± 13	28 ± 48
CD1a + CD11a	68 ± 79	176 ± 511	29 ± 39	36 ± 39	145 ± 261
CD1a + CD11b	12 ± 21	35 ± 80	7 ± 19	10 ± 19	45 ± 76
CD1a + CD120a	2 ± 6	1 ± 5	6 ± 19	1 ± 4	7 ± 23
CD1a + CD120b	32 ± 38	84 ± 259	15 ± 21	17 ± 24	143 ± 299
CD1a + CD138	1 ± 2	0 ± 1	2 ± 4	0 ± 1	1 ± 1
CD1a + CD15	5 ± 14	0 ± 0	3 ± 9	0 ± 1	0 ± 0
CD1a + CD2	69 ± 110	140 ± 396	28 ± 42	39 ± 43	165 ± 300
CD1a + CD207	61 ± 84	245 ± 750	31 ± 42	30 ± 30	159 ± 285
CD1a + CD24	6 ± 15	11 ± 35	4 ± 11	1 ± 2	12 ± 29
CD1a + CD28	63 ± 75	170 ± 506	24 ± 34	36 ± 38	171 ± 308
CD1a + CD29	16 ± 24	14 ± 42	8 ± 15	7 ± 11	16 ± 36
CD1a + CD3	68 ± 76	298 ± 904	34 ± 44	48 ± 46	190 ± 327
CD1a + CD31	0 ± 1	2 ± 6	1 ± 3	0 ± 1	5 ± 15
CD1a + CD4	80 ± 111	260 ± 775	37 ± 52	46 ± 45	197 ± 341
CD1a + CD44	75 ± 85	416 ± 1303	44 ± 57	47 ± 42	175 ± 305
CD1a + CD45	92 ± 138	178 ± 511	39 ± 51	45 ± 42	152 ± 270
CD1a + CD45RA	19 ± 32	14 ± 34	4 ± 7	3 ± 4	13 ± 27
CD1a + CD45RO	39 ± 44	69 ± 191	21 ± 29	29 ± 35	149 ± 294
CD1a + CD52	51 ± 64	148 ± 423	23 ± 38	35 ± 42	152 ± 252
CD1a + CD54	104 ± 156	391 ± 1211	40 ± 59	45 ± 45	161 ± 258
CD1a + CD56	2 ± 2	3 ± 7	2 ± 4	0 ± 1	2 ± 4
CD1a + CD58	22 ± 28	334 ± 1075	10 ± 13	11 ± 13	133 ± 235
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	0 ± 0	1 ± 4	0 ± 0	0 ± 0
CD1a + CD68	19 ± 44	18 ± 48	8 ± 15	9 ± 15	7 ± 12
CD1a + CD7	40 ± 52	27 ± 57	28 ± 37	37 ± 39	110 ± 176
CD1a + CD8a	16 ± 22	35 ± 76	14 ± 23	18 ± 26	44 ± 60
CD1a + CK14	0 ± 2	2 ± 7	1 ± 3	0 ± 0	0 ± 1
CD1a + CLA	52 ± 123	27 ± 66	17 ± 24	28 ± 29	84 ± 155
CD1a + c-myc	2 ± 3	4 ± 9	2 ± 4	1 ± 2	3 ± 6
CD1a + Collagen IV	5 ± 9	14 ± 38	5 ± 13	2 ± 3	11 ± 19
CD1a + FXIIIA	1 ± 2	7 ± 23	1 ± 4	1 ± 1	2 ± 5
CD1a + HLA-DR	100 ± 148	438 ± 1376	40 ± 50	39 ± 36	176 ± 297
CD1a + IL-22R	0 ± 1	1 ± 3	1 ± 2	0 ± 1	1 ± 3
CD1a + IL-23R	1 ± 3	17 ± 54	0 ± 1	1 ± 2	2 ± 5
CD1a + Ki67	3 ± 9	2 ± 5	3 ± 10	0 ± 0	0 ± 0
CD1a + PI	52 ± 62	180 ± 530	24 ± 33	35 ± 34	128 ± 229
CD1a + Podoplanin	6 ± 10	8 ± 23	3 ± 6	2 ± 5	3 ± 6
CD1a + SNA1	27 ± 34	219 ± 702	18 ± 24	12 ± 13	34 ± 73
CD1a + STAT3	1 ± 2	1 ± 1	2 ± 6	0 ± 0	0 ± 0
CD1a + TIA1	7 ± 12	1 ± 3	3 ± 6	3 ± 5	7 ± 15
CD1a + Vimentin	50 ± 99	214 ± 659	27 ± 48	25 ± 27	55 ± 93

Tabelle 425: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	71 ± 97	19 ± 44	16 ± 44	26 ± 46	48 ± 82
CD2 + BCL2	1496 ± 2002	384 ± 486	1547 ± 2653	1495 ± 2276	2193 ± 4248
CD2 + CCR6	721 ± 893	264 ± 458	428 ± 471	1398 ± 1818	1034 ± 1525
CD2 + CD11a	10171 ± 8965	3113 ± 4653	6580 ± 5610	8919 ± 9779	8245 ± 10265
CD2 + CD11b	2509 ± 2170	1508 ± 2227	1586 ± 2214	2108 ± 2083	4219 ± 4403
CD2 + CD120a	19 ± 26	4 ± 9	9 ± 13	27 ± 47	72 ± 187
CD2 + CD120b	1234 ± 2529	204 ± 383	417 ± 485	486 ± 521	3153 ± 7167
CD2 + CD138	21 ± 36	4 ± 11	6 ± 11	18 ± 33	18 ± 25
CD2 + CD15	232 ± 324	27 ± 50	45 ± 70	107 ± 146	38 ± 53
CD2 + CD1a	69 ± 110	140 ± 396	28 ± 42	39 ± 43	165 ± 300
CD2 + CD207	339 ± 488	238 ± 442	252 ± 314	223 ± 288	435 ± 557
CD2 + CD24	85 ± 80	42 ± 65	73 ± 82	134 ± 146	162 ± 176
CD2 + CD28	7771 ± 8191	1984 ± 3649	3664 ± 4122	5953 ± 6356	8194 ± 13164
CD2 + CD29	966 ± 742	298 ± 275	387 ± 247	622 ± 502	649 ± 585
CD2 + CD3	10583 ± 9777	3590 ± 5111	6956 ± 5880	9834 ± 9248	11566 ± 16153
CD2 + CD31	33 ± 44	31 ± 45	30 ± 48	96 ± 125	114 ± 197
CD2 + CD4	8927 ± 6415	3351 ± 5333	5952 ± 5234	9227 ± 9795	10763 ± 15115
CD2 + CD44	6279 ± 4108	2702 ± 3259	5780 ± 4357	7404 ± 5507	6687 ± 5450
CD2 + CD45	9822 ± 9938	2367 ± 3672	5673 ± 4823	8290 ± 9370	7620 ± 10098
CD2 + CD45RA	1912 ± 1290	666 ± 964	1227 ± 981	1827 ± 1969	1848 ± 2475
CD2 + CD45RO	6014 ± 5264	1495 ± 3124	4305 ± 4988	5929 ± 6376	8107 ± 14661
CD2 + CD52	7558 ± 8275	1891 ± 3736	4048 ± 4838	6002 ± 6960	7666 ± 12881
CD2 + CD54	8262 ± 9899	2138 ± 3390	3242 ± 3388	6090 ± 6947	5496 ± 6544
CD2 + CD56	309 ± 331	66 ± 53	195 ± 204	189 ± 177	163 ± 155
CD2 + CD58	479 ± 622	374 ± 611	245 ± 474	1655 ± 4210	2335 ± 5012
CD2 + CD62E	4 ± 6	1 ± 3	6 ± 15	1 ± 3	3 ± 5
CD2 + CD62P	5 ± 10	2 ± 3	1 ± 3	3 ± 5	2 ± 3
CD2 + CD68	1071 ± 1282	530 ± 1258	1081 ± 1269	1465 ± 2034	1147 ± 1591
CD2 + CD7	4792 ± 3386	1621 ± 2661	3919 ± 3414	6041 ± 6175	5715 ± 8331
CD2 + CD8a	3023 ± 1793	1504 ± 1965	2478 ± 1977	3394 ± 2446	4802 ± 6964
CD2 + CK14	7 ± 14	5 ± 15	8 ± 15	9 ± 15	11 ± 17
CD2 + CLA	2470 ± 1932	845 ± 829	1771 ± 1296	2017 ± 1195	2023 ± 1321
CD2 + c-myc	103 ± 112	40 ± 90	54 ± 92	64 ± 97	57 ± 91
CD2 + Collagen IV	589 ± 442	308 ± 388	540 ± 439	726 ± 564	777 ± 805
CD2 + FXIIIA	304 ± 221	191 ± 178	391 ± 378	623 ± 795	742 ± 829
CD2 + HLA-DR	6836 ± 4607	2822 ± 3282	4841 ± 3615	6003 ± 3625	6085 ± 4771
CD2 + IL-22R	4 ± 6	3 ± 4	2 ± 4	25 ± 66	23 ± 49
CD2 + IL-23R	20 ± 39	6 ± 12	9 ± 22	57 ± 114	48 ± 86
CD2 + Ki67	12 ± 17	5 ± 8	24 ± 69	8 ± 6	18 ± 32
CD2 + PI	8733 ± 7393	2982 ± 4542	5946 ± 5199	7293 ± 6540	8470 ± 9431
CD2 + Podoplanin	204 ± 321	84 ± 143	46 ± 112	247 ± 404	103 ± 149
CD2 + SNA1	1362 ± 1287	572 ± 468	1121 ± 999	898 ± 597	811 ± 495
CD2 + STAT3	19 ± 33	4 ± 6	6 ± 10	27 ± 68	5 ± 7
CD2 + TIA1	965 ± 770	385 ± 708	638 ± 693	809 ± 681	1139 ± 1260
CD2 + Vimentin	3874 ± 2665	1501 ± 2199	3235 ± 2887	4286 ± 4467	2806 ± 2320

Tabelle 426: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	5 ± 15	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD207 + BCL2	44 ± 93	78 ± 239	57 ± 106	26 ± 48	82 ± 186
CD207 + CCR6	39 ± 70	11 ± 25	22 ± 33	37 ± 58	51 ± 66
CD207 + CD11a	298 ± 444	244 ± 490	242 ± 283	214 ± 268	338 ± 432
CD207 + CD11b	90 ± 184	59 ± 156	53 ± 157	78 ± 151	140 ± 179
CD207 + CD120a	3 ± 6	1 ± 4	11 ± 24	2 ± 6	8 ± 25
CD207 + CD120b	100 ± 201	80 ± 204	54 ± 75	36 ± 58	216 ± 423
CD207 + CD138	4 ± 13	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD207 + CD15	6 ± 13	0 ± 0	1 ± 2	3 ± 9	2 ± 5
CD207 + CD1a	61 ± 84	245 ± 750	31 ± 42	30 ± 30	159 ± 285
CD207 + CD2	339 ± 488	238 ± 442	252 ± 314	223 ± 288	435 ± 557
CD207 + CD24	8 ± 13	3 ± 7	6 ± 10	7 ± 12	14 ± 22
CD207 + CD28	268 ± 420	230 ± 497	192 ± 243	172 ± 227	393 ± 555
CD207 + CD29	29 ± 42	9 ± 15	17 ± 18	20 ± 23	41 ± 65
CD207 + CD3	327 ± 498	380 ± 850	286 ± 347	261 ± 318	472 ± 580
CD207 + CD31	0 ± 1	0 ± 0	1 ± 2	1 ± 2	11 ± 35
CD207 + CD4	343 ± 454	357 ± 728	301 ± 366	274 ± 344	491 ± 596
CD207 + CD44	233 ± 268	369 ± 853	322 ± 429	231 ± 235	351 ± 355
CD207 + CD45	338 ± 502	240 ± 494	277 ± 332	221 ± 250	350 ± 413
CD207 + CD45RA	46 ± 45	15 ± 21	29 ± 56	16 ± 22	37 ± 48
CD207 + CD45RO	173 ± 255	116 ± 232	202 ± 272	160 ± 239	313 ± 519
CD207 + CD52	273 ± 449	217 ± 449	215 ± 302	204 ± 286	348 ± 431
CD207 + CD54	412 ± 598	383 ± 883	291 ± 370	232 ± 311	338 ± 343
CD207 + CD56	7 ± 15	1 ± 4	3 ± 7	1 ± 4	3 ± 5
CD207 + CD58	28 ± 31	251 ± 779	18 ± 31	26 ± 36	162 ± 264
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	1 ± 4	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD68	55 ± 92	28 ± 68	44 ± 69	35 ± 67	27 ± 68
CD207 + CD7	131 ± 156	71 ± 146	179 ± 209	159 ± 208	245 ± 281
CD207 + CD8a	37 ± 73	47 ± 89	51 ± 71	59 ± 84	110 ± 131
CD207 + CK14	3 ± 12	0 ± 1	2 ± 5	1 ± 1	0 ± 0
CD207 + CLA	207 ± 364	47 ± 77	171 ± 214	107 ± 119	169 ± 201
CD207 + c-myc	7 ± 15	4 ± 9	3 ± 4	3 ± 5	3 ± 8
CD207 + Collagen IV	16 ± 28	17 ± 31	29 ± 47	19 ± 32	25 ± 36
CD207 + FXIIIA	11 ± 22	5 ± 14	6 ± 12	8 ± 16	9 ± 15
CD207 + HLA-DR	312 ± 341	400 ± 908	338 ± 440	231 ± 235	373 ± 374
CD207 + IL-22R	0 ± 0	1 ± 3	1 ± 2	0 ± 0	1 ± 4
CD207 + IL-23R	1 ± 2	4 ± 14	0 ± 1	3 ± 9	3 ± 9
CD207 + Ki67	3 ± 10	2 ± 5	7 ± 16	2 ± 5	0 ± 1
CD207 + PI	254 ± 310	220 ± 425	240 ± 282	214 ± 242	334 ± 393
CD207 + Podoplanin	22 ± 37	11 ± 35	13 ± 35	11 ± 35	13 ± 35
CD207 + SNA1	42 ± 41	169 ± 486	76 ± 107	36 ± 43	42 ± 74
CD207 + STAT3	5 ± 16	0 ± 1	1 ± 2	0 ± 0	0 ± 0
CD207 + TIA1	23 ± 34	10 ± 29	13 ± 29	28 ± 45	24 ± 38
CD207 + Vimentin	162 ± 235	230 ± 494	191 ± 236	126 ± 161	133 ± 162

Tabelle 427: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	9 ± 15	3 ± 4	3 ± 4	4 ± 8	3 ± 4
CD24 + BCL2	3 ± 5	1 ± 3	5 ± 9	4 ± 7	1 ± 3
CD24 + CCR6	25 ± 38	10 ± 14	14 ± 21	29 ± 48	11 ± 10
CD24 + CD11a	298 ± 302	108 ± 114	209 ± 200	421 ± 413	257 ± 328
CD24 + CD11b	353 ± 302	205 ± 174	400 ± 719	1291 ± 1990	382 ± 306
CD24 + CD120a	10 ± 12	7 ± 13	8 ± 13	39 ± 72	18 ± 33
CD24 + CD120b	1664 ± 1738	1116 ± 731	1195 ± 612	1541 ± 1435	1687 ± 1008
CD24 + CD138	13 ± 30	5 ± 12	9 ± 13	5 ± 11	6 ± 13
CD24 + CD15	459 ± 572	165 ± 233	409 ± 730	994 ± 1702	197 ± 232
CD24 + CD1a	6 ± 15	11 ± 35	4 ± 11	1 ± 2	12 ± 29
CD24 + CD2	85 ± 80	42 ± 65	73 ± 82	134 ± 146	162 ± 176
CD24 + CD207	8 ± 13	3 ± 7	6 ± 10	7 ± 12	14 ± 22
CD24 + CD28	204 ± 214	49 ± 80	100 ± 80	245 ± 186	289 ± 360
CD24 + CD29	1185 ± 980	744 ± 639	1042 ± 501	1169 ± 757	963 ± 683
CD24 + CD3	448 ± 454	304 ± 315	388 ± 228	737 ± 566	615 ± 593
CD24 + CD31	1 ± 3	1 ± 3	2 ± 4	55 ± 172	3 ± 5
CD24 + CD4	170 ± 225	55 ± 80	127 ± 133	194 ± 174	260 ± 272
CD24 + CD44	2168 ± 1958	1538 ± 1015	2126 ± 938	2694 ± 1652	2329 ± 1499
CD24 + CD45	338 ± 422	86 ± 109	190 ± 250	408 ± 540	228 ± 225
CD24 + CD45RA	546 ± 433	219 ± 228	293 ± 228	365 ± 206	545 ± 287
CD24 + CD45RO	114 ± 174	10 ± 12	137 ± 336	294 ± 560	90 ± 178
CD24 + CD52	248 ± 230	115 ± 172	226 ± 204	370 ± 357	362 ± 444
CD24 + CD54	650 ± 711	276 ± 290	263 ± 231	545 ± 522	585 ± 564
CD24 + CD56	35 ± 39	31 ± 29	39 ± 37	40 ± 24	42 ± 33
CD24 + CD58	37 ± 33	33 ± 39	26 ± 36	105 ± 160	168 ± 301
CD24 + CD62E	8 ± 17	0 ± 1	20 ± 42	31 ± 67	6 ± 20
CD24 + CD62P	124 ± 349	32 ± 61	37 ± 62	27 ± 31	19 ± 29
CD24 + CD68	46 ± 37	18 ± 23	90 ± 134	157 ± 264	35 ± 24
CD24 + CD7	155 ± 192	70 ± 89	127 ± 119	236 ± 189	192 ± 244
CD24 + CD8a	84 ± 87	71 ± 58	92 ± 75	164 ± 98	149 ± 142
CD24 + CK14	3 ± 8	1 ± 1	1 ± 2	2 ± 3	2 ± 3
CD24 + CLA	151 ± 207	37 ± 32	135 ± 269	289 ± 496	67 ± 42
CD24 + c-myc	24 ± 37	11 ± 19	11 ± 15	28 ± 47	8 ± 11
CD24 + Collagen IV	167 ± 139	152 ± 113	220 ± 129	383 ± 263	279 ± 307
CD24 + FXIIIA	40 ± 48	28 ± 33	138 ± 290	77 ± 118	41 ± 36
CD24 + HLA-DR	1607 ± 1278	1100 ± 625	1426 ± 690	1925 ± 1480	1623 ± 1176
CD24 + IL-22R	0 ± 1	0 ± 0	0 ± 1	1 ± 2	0 ± 1
CD24 + IL-23R	7 ± 18	0 ± 0	3 ± 6	54 ± 141	1 ± 2
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 3
CD24 + PI	1095 ± 1340	562 ± 341	780 ± 418	1030 ± 724	1014 ± 851
CD24 + Podoplanin	38 ± 60	88 ± 231	10 ± 11	32 ± 39	19 ± 29
CD24 + SNA1	637 ± 530	420 ± 242	645 ± 388	727 ± 468	616 ± 440
CD24 + STAT3	26 ± 60	8 ± 12	25 ± 65	20 ± 59	2 ± 5
CD24 + TIA1	183 ± 321	30 ± 34	198 ± 473	543 ± 1146	24 ± 27
CD24 + Vimentin	48 ± 67	27 ± 35	69 ± 73	209 ± 362	31 ± 37

Tabelle 428: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	55 ± 86	16 ± 41	18 ± 41	39 ± 64	34 ± 54
CD28 + BCL2	1128 ± 1830	216 ± 324	872 ± 1808	996 ± 1549	1825 ± 3848
CD28 + CCR6	587 ± 759	175 ± 365	311 ± 383	1075 ± 1486	827 ± 1392
CD28 + CD11a	8221 ± 8222	1959 ± 3488	3948 ± 4402	7241 ± 8430	7027 ± 9930
CD28 + CD11b	1507 ± 1444	711 ± 1400	792 ± 1374	1234 ± 1323	2759 ± 3784
CD28 + CD120a	39 ± 88	4 ± 7	13 ± 21	50 ± 126	86 ± 211
CD28 + CD120b	1458 ± 2556	214 ± 407	414 ± 457	674 ± 678	3335 ± 7398
CD28 + CD138	31 ± 75	2 ± 4	7 ± 9	17 ± 36	8 ± 10
CD28 + CD15	157 ± 232	8 ± 19	15 ± 21	97 ± 147	20 ± 29
CD28 + CD1a	63 ± 75	170 ± 506	24 ± 34	36 ± 38	171 ± 308
CD28 + CD2	7771 ± 8191	1984 ± 3649	3664 ± 4122	5953 ± 6356	8194 ± 13164
CD28 + CD207	268 ± 420	230 ± 497	192 ± 243	172 ± 227	393 ± 555
CD28 + CD24	204 ± 214	49 ± 80	100 ± 80	245 ± 186	289 ± 360
CD28 + CD29	959 ± 769	179 ± 220	282 ± 200	659 ± 674	520 ± 469
CD28 + CD3	8814 ± 8610	2279 ± 3916	4459 ± 4867	8097 ± 8423	9536 ± 14723
CD28 + CD31	37 ± 39	21 ± 40	27 ± 41	85 ± 103	111 ± 210
CD28 + CD4	7441 ± 6049	2231 ± 4032	3934 ± 4346	7196 ± 8054	9225 ± 14462
CD28 + CD44	5251 ± 3696	1679 ± 2494	3531 ± 3588	6405 ± 6120	5228 ± 5942
CD28 + CD45	8136 ± 8704	1693 ± 2883	3621 ± 3778	7067 ± 8341	6469 ± 10034
CD28 + CD45RA	1481 ± 1152	319 ± 612	585 ± 617	1264 ± 1581	1419 ± 2434
CD28 + CD45RO	4635 ± 4628	1025 ± 2253	2607 ± 3398	4496 ± 5150	6634 ± 12739
CD28 + CD52	6595 ± 7597	1413 ± 2921	2959 ± 3983	5446 ± 6804	6972 ± 12503
CD28 + CD54	6973 ± 8617	1550 ± 2654	2287 ± 2678	5637 ± 6958	4847 ± 6658
CD28 + CD56	161 ± 143	24 ± 30	47 ± 41	98 ± 98	97 ± 114
CD28 + CD58	514 ± 709	372 ± 658	211 ± 407	1768 ± 4300	2456 ± 5141
CD28 + CD62E	3 ± 5	1 ± 2	1 ± 2	1 ± 3	3 ± 4
CD28 + CD62P	12 ± 30	2 ± 5	3 ± 5	6 ± 8	3 ± 5
CD28 + CD68	590 ± 691	229 ± 635	479 ± 670	806 ± 1148	705 ± 1063
CD28 + CD7	3996 ± 3029	1078 ± 2050	2560 ± 2622	5202 ± 6046	5003 ± 8094
CD28 + CD8a	1842 ± 1435	682 ± 1290	1153 ± 1312	2116 ± 1998	3363 ± 6073
CD28 + CK14	5 ± 8	2 ± 5	4 ± 5	5 ± 6	7 ± 10
CD28 + CLA	1521 ± 1618	315 ± 478	773 ± 765	1171 ± 1171	1088 ± 1219
CD28 + c-myc	84 ± 93	22 ± 56	34 ± 59	52 ± 70	33 ± 57
CD28 + Collagen IV	509 ± 370	180 ± 326	322 ± 328	622 ± 560	599 ± 609
CD28 + FXIIIA	151 ± 105	54 ± 80	145 ± 162	330 ± 500	436 ± 613
CD28 + HLA-DR	5557 ± 4343	1610 ± 2370	2882 ± 2897	5030 ± 4203	4706 ± 5078
CD28 + IL-22R	2 ± 4	2 ± 4	2 ± 3	22 ± 54	21 ± 48
CD28 + IL-23R	38 ± 96	5 ± 10	7 ± 12	47 ± 101	36 ± 68
CD28 + Ki67	6 ± 13	2 ± 6	16 ± 51	2 ± 4	5 ± 9
CD28 + PI	6504 ± 6130	1727 ± 3132	3246 ± 3672	5356 ± 5628	6302 ± 8518
CD28 + Podoplanin	200 ± 292	54 ± 130	49 ± 131	259 ± 424	113 ± 182
CD28 + SNA1	1089 ± 990	326 ± 430	669 ± 722	666 ± 448	646 ± 498
CD28 + STAT3	19 ± 37	4 ± 6	5 ± 7	19 ± 40	5 ± 7
CD28 + TIA1	582 ± 586	168 ± 330	277 ± 336	461 ± 463	648 ± 1001
CD28 + Vimentin	2482 ± 1958	744 ± 1355	1475 ± 1749	2563 ± 2954	1544 ± 1772

Tabelle 429: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	662 ± 692	273 ± 376	318 ± 359	311 ± 395	309 ± 396
CD29 + BCL2	303 ± 348	71 ± 55	150 ± 161	188 ± 248	132 ± 58
CD29 + CCR6	274 ± 347	110 ± 111	108 ± 69	202 ± 260	120 ± 107
CD29 + CD11a	1145 ± 818	296 ± 263	421 ± 248	810 ± 1118	560 ± 483
CD29 + CD11b	849 ± 607	662 ± 654	538 ± 669	862 ± 622	1129 ± 956
CD29 + CD120a	17 ± 18	5 ± 9	9 ± 12	12 ± 13	12 ± 21
CD29 + CD120b	1296 ± 919	631 ± 496	782 ± 370	932 ± 673	824 ± 428
CD29 + CD138	105 ± 175	80 ± 138	90 ± 91	56 ± 69	41 ± 65
CD29 + CD15	352 ± 455	179 ± 228	166 ± 203	246 ± 199	208 ± 249
CD29 + CD1a	16 ± 24	14 ± 42	8 ± 15	7 ± 11	16 ± 36
CD29 + CD2	966 ± 742	298 ± 275	387 ± 247	622 ± 502	649 ± 585
CD29 + CD207	29 ± 42	9 ± 15	17 ± 18	20 ± 23	41 ± 65
CD29 + CD24	1185 ± 980	744 ± 639	1042 ± 501	1169 ± 757	963 ± 683
CD29 + CD28	959 ± 769	179 ± 220	282 ± 200	659 ± 674	520 ± 469
CD29 + CD3	1394 ± 928	570 ± 418	757 ± 326	1281 ± 1038	994 ± 786
CD29 + CD31	445 ± 271	325 ± 308	348 ± 300	463 ± 341	411 ± 330
CD29 + CD4	1465 ± 929	502 ± 584	656 ± 491	942 ± 548	1012 ± 779
CD29 + CD44	3623 ± 1912	1917 ± 1400	2627 ± 974	3327 ± 2078	2746 ± 2086
CD29 + CD45	1268 ± 1127	235 ± 210	369 ± 200	746 ± 841	467 ± 241
CD29 + CD45RA	878 ± 526	338 ± 244	370 ± 229	442 ± 213	488 ± 300
CD29 + CD45RO	568 ± 518	112 ± 112	206 ± 152	443 ± 745	208 ± 147
CD29 + CD52	861 ± 836	179 ± 205	289 ± 224	687 ± 990	504 ± 521
CD29 + CD54	3361 ± 2385	1122 ± 1047	1370 ± 891	1808 ± 1027	1874 ± 1388
CD29 + CD56	853 ± 668	578 ± 333	730 ± 362	638 ± 453	709 ± 563
CD29 + CD58	413 ± 318	279 ± 322	227 ± 281	416 ± 475	463 ± 473
CD29 + CD62E	12 ± 18	9 ± 20	18 ± 29	10 ± 18	7 ± 17
CD29 + CD62P	151 ± 310	71 ± 81	78 ± 89	57 ± 62	53 ± 65
CD29 + CD68	923 ± 578	536 ± 476	738 ± 386	735 ± 444	654 ± 479
CD29 + CD7	675 ± 531	206 ± 199	318 ± 186	631 ± 731	400 ± 350
CD29 + CD8a	277 ± 110	159 ± 127	174 ± 102	299 ± 250	277 ± 203
CD29 + CK14	48 ± 71	38 ± 48	76 ± 112	37 ± 49	32 ± 49
CD29 + CLA	365 ± 306	124 ± 116	171 ± 100	281 ± 301	257 ± 325
CD29 + c-myc	676 ± 726	401 ± 620	589 ± 675	357 ± 621	317 ± 623
CD29 + Collagen IV	2201 ± 880	1352 ± 1033	1916 ± 824	2126 ± 1176	2193 ± 2047
CD29 + FXIIIA	379 ± 296	303 ± 268	372 ± 325	379 ± 333	459 ± 516
CD29 + HLA-DR	3809 ± 1692	1894 ± 1333	2409 ± 950	3051 ± 2048	2629 ± 2014
CD29 + IL-22R	1 ± 1	1 ± 1	1 ± 1	5 ± 10	3 ± 6
CD29 + IL-23R	45 ± 40	33 ± 43	32 ± 42	54 ± 41	45 ± 47
CD29 + Ki67	10 ± 19	4 ± 8	7 ± 12	6 ± 11	11 ± 23
CD29 + PI	2822 ± 1720	1216 ± 882	1617 ± 616	2249 ± 1662	2024 ± 1730
CD29 + Podoplanin	227 ± 188	267 ± 366	110 ± 84	152 ± 121	123 ± 141
CD29 + SNA1	2561 ± 1100	1407 ± 728	1919 ± 571	1740 ± 721	1708 ± 985
CD29 + STAT3	138 ± 223	96 ± 142	113 ± 123	73 ± 107	42 ± 64
CD29 + TIA1	149 ± 99	100 ± 90	84 ± 64	125 ± 103	78 ± 64
CD29 + Vimentin	2078 ± 998	956 ± 636	1393 ± 635	1598 ± 961	1309 ± 918

Tabelle 430: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	61 ± 63	40 ± 57	27 ± 43	88 ± 171	60 ± 92
CD3 + BCL2	1356 ± 1951	398 ± 484	1530 ± 2816	1438 ± 2164	2167 ± 4263
CD3 + CCR6	799 ± 1019	287 ± 466	468 ± 498	1573 ± 1996	1078 ± 1611
CD3 + CD11a	11734 ± 10226	3766 ± 4926	8014 ± 7077	12391 ± 14012	9311 ± 10552
CD3 + CD11b	2662 ± 2359	1736 ± 2238	1672 ± 2288	2833 ± 2316	4828 ± 5346
CD3 + CD120a	36 ± 64	7 ± 10	17 ± 25	91 ± 188	138 ± 350
CD3 + CD120b	1773 ± 2697	483 ± 500	737 ± 711	1006 ± 800	3889 ± 8280
CD3 + CD138	25 ± 47	9 ± 20	8 ± 11	28 ± 52	14 ± 19
CD3 + CD15	321 ± 410	59 ± 57	103 ± 150	371 ± 570	75 ± 86
CD3 + CD1a	68 ± 76	298 ± 904	34 ± 44	48 ± 46	190 ± 327
CD3 + CD2	10583 ± 9777	3590 ± 5111	6956 ± 5880	9834 ± 9248	11566 ± 16153
CD3 + CD207	327 ± 498	380 ± 850	286 ± 347	261 ± 318	472 ± 580
CD3 + CD24	448 ± 454	304 ± 315	388 ± 228	737 ± 566	615 ± 593
CD3 + CD28	8814 ± 8610	2279 ± 3916	4459 ± 4867	8097 ± 8423	9536 ± 14723
CD3 + CD29	1394 ± 928	570 ± 418	757 ± 326	1281 ± 1038	994 ± 786
CD3 + CD31	55 ± 42	42 ± 31	38 ± 35	170 ± 238	128 ± 178
CD3 + CD4	10058 ± 6854	3961 ± 5740	7257 ± 6071	12092 ± 13027	12924 ± 17991
CD3 + CD44	8510 ± 5277	4455 ± 3509	8313 ± 6252	12570 ± 10221	9664 ± 9093
CD3 + CD45	11209 ± 11491	2841 ± 3813	7016 ± 6134	11477 ± 13544	8290 ± 10557
CD3 + CD45RA	2298 ± 1503	830 ± 1095	1420 ± 1175	2457 ± 2516	2225 ± 3008
CD3 + CD45RO	5874 ± 5366	1413 ± 2898	4401 ± 5260	6708 ± 7363	8373 ± 15851
CD3 + CD52	8444 ± 9483	2315 ± 4112	4982 ± 6076	8349 ± 9983	8999 ± 15298
CD3 + CD54	9497 ± 11417	2989 ± 3606	4013 ± 3730	8887 ± 10436	7214 ± 8413
CD3 + CD56	282 ± 213	96 ± 69	168 ± 119	263 ± 250	226 ± 233
CD3 + CD58	625 ± 840	639 ± 1216	293 ± 536	2564 ± 6371	2894 ± 6057
CD3 + CD62E	5 ± 7	1 ± 2	9 ± 14	5 ± 13	4 ± 8
CD3 + CD62P	24 ± 69	5 ± 7	9 ± 25	5 ± 10	2 ± 4
CD3 + CD68	947 ± 1149	473 ± 1082	1063 ± 1194	1525 ± 2082	1245 ± 1759
CD3 + CD7	5355 ± 3680	1929 ± 2914	4766 ± 4093	8249 ± 8686	6459 ± 9053
CD3 + CD8a	3220 ± 2081	1818 ± 2040	2810 ± 2204	4216 ± 3212	5203 ± 7557
CD3 + CK14	7 ± 11	4 ± 6	11 ± 20	11 ± 14	17 ± 30
CD3 + CLA	2486 ± 2175	926 ± 821	1801 ± 1323	2484 ± 1764	2128 ± 1549
CD3 + c-myc	131 ± 149	58 ± 91	107 ± 143	135 ± 191	84 ± 101
CD3 + Collagen IV	861 ± 630	629 ± 523	951 ± 601	1526 ± 1176	1213 ± 966
CD3 + FXIIIA	285 ± 179	218 ± 158	415 ± 441	714 ± 823	853 ± 1154
CD3 + HLA-DR	8941 ± 6181	4373 ± 3461	6781 ± 4908	9755 ± 6553	8522 ± 7257
CD3 + IL-22R	5 ± 9	3 ± 5	3 ± 4	36 ± 91	28 ± 60
CD3 + IL-23R	35 ± 86	16 ± 40	11 ± 28	92 ± 195	54 ± 107
CD3 + Ki67	12 ± 24	4 ± 10	35 ± 111	7 ± 8	15 ± 21
CD3 + PI	10283 ± 8681	3996 ± 4899	7595 ± 6628	10446 ± 9348	10235 ± 11179
CD3 + Podoplanin	286 ± 427	226 ± 481	71 ± 168	480 ± 821	184 ± 256
CD3 + SNA1	1786 ± 1678	1040 ± 792	1523 ± 1227	1381 ± 820	1263 ± 764
CD3 + STAT3	25 ± 50	10 ± 21	16 ± 36	34 ± 77	5 ± 7
CD3 + TIA1	994 ± 825	414 ± 733	714 ± 768	1010 ± 805	1167 ± 1351
CD3 + Vimentin	3962 ± 3007	1783 ± 2216	3493 ± 3234	4983 ± 5127	3128 ± 2919

Tabelle 431: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	132 ± 176	105 ± 172	100 ± 173	122 ± 217	110 ± 191
CD31 + BCL2	13 ± 24	5 ± 8	23 ± 44	30 ± 62	26 ± 68
CD31 + CCR6	3 ± 6	2 ± 3	3 ± 5	8 ± 15	3 ± 4
CD31 + CD11a	24 ± 42	28 ± 53	20 ± 43	93 ± 194	77 ± 145
CD31 + CD11b	32 ± 42	45 ± 60	25 ± 45	166 ± 337	73 ± 112
CD31 + CD120a	2 ± 7	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD31 + CD120b	4 ± 6	3 ± 6	3 ± 6	4 ± 7	35 ± 89
CD31 + CD138	4 ± 7	1 ± 3	3 ± 6	13 ± 36	2 ± 4
CD31 + CD15	5 ± 13	1 ± 1	1 ± 2	87 ± 247	1 ± 1
CD31 + CD1a	0 ± 1	2 ± 6	1 ± 3	0 ± 1	5 ± 15
CD31 + CD2	33 ± 44	31 ± 45	30 ± 48	96 ± 125	114 ± 197
CD31 + CD207	0 ± 1	0 ± 0	1 ± 2	1 ± 2	11 ± 35
CD31 + CD24	1 ± 3	1 ± 3	2 ± 4	55 ± 172	3 ± 5
CD31 + CD28	37 ± 39	21 ± 40	27 ± 41	85 ± 103	111 ± 210
CD31 + CD29	445 ± 271	325 ± 308	348 ± 300	463 ± 341	411 ± 330
CD31 + CD3	55 ± 42	42 ± 31	38 ± 35	170 ± 238	128 ± 178
CD31 + CD4	131 ± 102	86 ± 106	84 ± 105	221 ± 263	200 ± 237
CD31 + CD44	59 ± 57	63 ± 73	38 ± 38	150 ± 198	94 ± 92
CD31 + CD45	23 ± 27	12 ± 20	13 ± 21	83 ± 185	51 ± 114
CD31 + CD45RA	22 ± 29	30 ± 37	17 ± 29	33 ± 52	20 ± 28
CD31 + CD45RO	7 ± 9	3 ± 4	5 ± 7	32 ± 71	57 ± 166
CD31 + CD52	47 ± 70	28 ± 71	32 ± 71	123 ± 202	97 ± 142
CD31 + CD54	391 ± 288	288 ± 311	270 ± 313	596 ± 778	359 ± 320
CD31 + CD56	4 ± 5	2 ± 4	4 ± 6	4 ± 5	10 ± 26
CD31 + CD58	90 ± 118	77 ± 130	62 ± 125	165 ± 285	145 ± 197
CD31 + CD62E	9 ± 17	5 ± 16	12 ± 24	7 ± 17	7 ± 17
CD31 + CD62P	25 ± 45	24 ± 45	28 ± 44	41 ± 59	26 ± 46
CD31 + CD68	168 ± 163	148 ± 145	144 ± 144	194 ± 179	176 ± 181
CD31 + CD7	24 ± 25	37 ± 58	20 ± 21	73 ± 102	49 ± 67
CD31 + CD8a	6 ± 10	8 ± 12	5 ± 9	14 ± 27	30 ± 71
CD31 + CK14	2 ± 4	1 ± 3	3 ± 4	2 ± 3	2 ± 3
CD31 + CLA	4 ± 5	3 ± 5	4 ± 5	37 ± 101	9 ± 16
CD31 + c-myc	139 ± 242	114 ± 242	128 ± 234	79 ± 231	77 ± 232
CD31 + Collagen IV	354 ± 292	310 ± 318	313 ± 319	650 ± 716	424 ± 356
CD31 + FXIIIA	10 ± 12	15 ± 11	38 ± 79	35 ± 52	39 ± 77
CD31 + HLA-DR	224 ± 128	205 ± 151	163 ± 139	324 ± 314	257 ± 209
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	3 ± 9	2 ± 6
CD31 + IL-23R	7 ± 8	9 ± 16	4 ± 7	7 ± 12	6 ± 8
CD31 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 4
CD31 + PI	261 ± 166	200 ± 178	190 ± 180	368 ± 355	298 ± 248
CD31 + Podoplanin	10 ± 11	6 ± 10	8 ± 8	41 ± 86	30 ± 69
CD31 + SNA1	357 ± 191	320 ± 219	294 ± 207	574 ± 585	367 ± 268
CD31 + STAT3	10 ± 16	7 ± 13	9 ± 13	8 ± 12	8 ± 12
CD31 + TIA1	11 ± 20	26 ± 49	10 ± 21	33 ± 56	9 ± 20
CD31 + Vimentin	279 ± 188	186 ± 205	210 ± 205	446 ± 533	254 ± 223

Tabelle 432: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	136 ± 178	67 ± 124	55 ± 119	95 ± 177	103 ± 165
CD4 + BCL2	1220 ± 1521	329 ± 410	1079 ± 1757	1395 ± 2240	2124 ± 4178
CD4 + CCR6	663 ± 717	241 ± 438	393 ± 430	1396 ± 1908	1009 ± 1525
CD4 + CD11a	9849 ± 6759	3250 ± 5111	6590 ± 5651	10846 ± 13629	8681 ± 10448
CD4 + CD11b	3242 ± 2548	2203 ± 2761	2220 ± 2751	2993 ± 2548	5377 ± 4592
CD4 + CD120a	94 ± 232	8 ± 12	31 ± 46	107 ± 235	120 ± 291
CD4 + CD120b	1404 ± 2392	239 ± 433	494 ± 538	598 ± 643	3436 ± 7657
CD4 + CD138	23 ± 49	1 ± 3	3 ± 3	22 ± 54	11 ± 16
CD4 + CD15	275 ± 415	37 ± 59	68 ± 112	159 ± 228	40 ± 52
CD4 + CD1a	80 ± 111	260 ± 775	37 ± 52	46 ± 45	197 ± 341
CD4 + CD2	8927 ± 6415	3351 ± 5333	5952 ± 5234	9227 ± 9795	10763 ± 15115
CD4 + CD207	343 ± 454	357 ± 728	301 ± 366	274 ± 344	491 ± 596
CD4 + CD24	170 ± 225	55 ± 80	127 ± 133	194 ± 174	260 ± 272
CD4 + CD28	7441 ± 6049	2231 ± 4032	3934 ± 4346	7196 ± 8054	9225 ± 14462
CD4 + CD29	1465 ± 929	502 ± 584	656 ± 491	942 ± 548	1012 ± 779
CD4 + CD3	10058 ± 6854	3961 ± 5740	7257 ± 6071	12092 ± 13027	12924 ± 17991
CD4 + CD31	131 ± 102	86 ± 106	84 ± 105	221 ± 263	200 ± 237
CD4 + CD44	8241 ± 4925	3777 ± 3879	7059 ± 4352	10005 ± 7433	8520 ± 6698
CD4 + CD45	9107 ± 6698	2488 ± 3710	5688 ± 4620	10147 ± 13252	7663 ± 10439
CD4 + CD45RA	2077 ± 1404	638 ± 998	1188 ± 1024	2150 ± 2803	1863 ± 2687
CD4 + CD45RO	5480 ± 4724	1429 ± 3117	3627 ± 4059	5973 ± 6632	7926 ± 14740
CD4 + CD52	6792 ± 5978	2037 ± 4060	3936 ± 4681	7034 ± 8836	8265 ± 14265
CD4 + CD54	9405 ± 7469	3167 ± 4316	4575 ± 4209	8984 ± 10098	7566 ± 7659
CD4 + CD56	471 ± 488	181 ± 218	233 ± 202	376 ± 339	308 ± 212
CD4 + CD58	683 ± 909	574 ± 993	319 ± 593	2572 ± 6441	2861 ± 5789
CD4 + CD62E	6 ± 8	2 ± 6	4 ± 6	3 ± 6	5 ± 8
CD4 + CD62P	15 ± 27	11 ± 26	11 ± 26	14 ± 27	11 ± 26
CD4 + CD68	1440 ± 1467	667 ± 1352	1326 ± 1315	1786 ± 2202	1488 ± 1789
CD4 + CD7	4469 ± 3161	1493 ± 2564	3649 ± 3173	6476 ± 7385	5603 ± 8498
CD4 + CD8a	1922 ± 1446	1004 ± 1618	1458 ± 1540	2582 ± 2467	3769 ± 6459
CD4 + CK14	11 ± 21	8 ± 21	12 ± 22	11 ± 21	15 ± 23
CD4 + CLA	2061 ± 1410	660 ± 851	1466 ± 1085	1906 ± 1449	1682 ± 1336
CD4 + c-myc	209 ± 284	100 ± 267	138 ± 261	163 ± 287	123 ± 264
CD4 + Collagen IV	1368 ± 1351	714 ± 976	1082 ± 902	1505 ± 1220	1405 ± 1096
CD4 + FXIIIA	650 ± 726	467 ± 653	608 ± 615	1042 ± 1068	1179 ± 1032
CD4 + HLA-DR	8856 ± 4213	4180 ± 4370	6527 ± 3979	8587 ± 4711	8351 ± 5635
CD4 + IL-22R	3 ± 5	3 ± 6	3 ± 5	35 ± 92	26 ± 57
CD4 + IL-23R	90 ± 204	22 ± 43	26 ± 28	118 ± 222	74 ± 118
CD4 + Ki67	17 ± 28	4 ± 8	21 ± 60	8 ± 9	22 ± 34
CD4 + PI	8627 ± 5397	3565 ± 5308	6137 ± 5187	8854 ± 8680	9307 ± 9919
CD4 + Podoplanin	296 ± 513	116 ± 182	76 ± 179	440 ± 755	180 ± 237
CD4 + SNA1	2477 ± 2715	978 ± 852	1599 ± 939	1502 ± 848	1411 ± 683
CD4 + STAT3	30 ± 51	4 ± 7	7 ± 8	27 ± 73	6 ± 8
CD4 + TIA1	649 ± 584	254 ± 531	397 ± 516	577 ± 565	794 ± 1163
CD4 + Vimentin	4280 ± 2945	1861 ± 2494	3195 ± 2558	5032 ± 5314	3195 ± 2708

Tabelle 433: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	247 ± 517	81 ± 81	55 ± 45	102 ± 146	98 ± 130
CD44 + BCL2	1016 ± 902	452 ± 555	1528 ± 2582	1137 ± 1405	1135 ± 1468
CD44 + CCR6	1007 ± 1133	384 ± 483	586 ± 549	1587 ± 1624	1013 ± 1111
CD44 + CD11a	8823 ± 5142	3242 ± 3367	7945 ± 6681	10654 ± 10583	6249 ± 4315
CD44 + CD11b	4993 ± 2607	3992 ± 3030	3982 ± 3109	6436 ± 3621	7713 ± 2331
CD44 + CD120a	111 ± 183	29 ± 34	58 ± 55	217 ± 381	151 ± 270
CD44 + CD120b	2736 ± 1933	1468 ± 852	1806 ± 1099	2241 ± 1368	3551 ± 4021
CD44 + CD138	95 ± 145	62 ± 111	57 ± 56	59 ± 71	54 ± 54
CD44 + CD15	592 ± 524	249 ± 233	339 ± 322	900 ± 1102	311 ± 312
CD44 + CD1a	75 ± 85	416 ± 1303	44 ± 57	47 ± 42	175 ± 305
CD44 + CD2	6279 ± 4108	2702 ± 3259	5780 ± 4357	7404 ± 5507	6687 ± 5450
CD44 + CD207	233 ± 268	369 ± 853	322 ± 429	231 ± 235	351 ± 355
CD44 + CD24	2168 ± 1958	1538 ± 1015	2126 ± 938	2694 ± 1652	2329 ± 1499
CD44 + CD28	5251 ± 3696	1679 ± 2494	3531 ± 3588	6405 ± 6120	5228 ± 5942
CD44 + CD29	3623 ± 1912	1917 ± 1400	2627 ± 974	3327 ± 2078	2746 ± 2086
CD44 + CD3	8510 ± 5277	4455 ± 3509	8313 ± 6252	12570 ± 10221	9664 ± 9093
CD44 + CD31	59 ± 57	63 ± 73	38 ± 38	150 ± 198	94 ± 92
CD44 + CD4	8241 ± 4925	3777 ± 3879	7059 ± 4352	10005 ± 7433	8520 ± 6698
CD44 + CD45	8510 ± 5917	2476 ± 2759	6612 ± 5833	9594 ± 9488	5551 ± 4170
CD44 + CD45RA	3493 ± 1783	1490 ± 1421	2517 ± 1513	3197 ± 1702	2752 ± 1376
CD44 + CD45RO	3615 ± 2673	1019 ± 1681	3617 ± 4265	5365 ± 5731	4130 ± 5999
CD44 + CD52	5469 ± 4733	2064 ± 3047	4482 ± 5190	7104 ± 8055	5391 ± 6190
CD44 + CD54	12929 ± 9090	5225 ± 5761	6703 ± 4836	10253 ± 8734	8914 ± 6014
CD44 + CD56	889 ± 755	758 ± 364	817 ± 351	891 ± 541	789 ± 402
CD44 + CD58	657 ± 669	861 ± 1660	353 ± 553	2249 ± 4802	2096 ± 3525
CD44 + CD62E	6 ± 9	2 ± 4	9 ± 12	12 ± 22	4 ± 6
CD44 + CD62P	124 ± 320	43 ± 69	47 ± 77	29 ± 45	23 ± 47
CD44 + CD68	2173 ± 1601	1556 ± 1441	2719 ± 1603	2715 ± 1520	2159 ± 1420
CD44 + CD7	4127 ± 2500	1627 ± 2144	4443 ± 3613	7131 ± 6887	4252 ± 3799
CD44 + CD8a	2504 ± 1123	1618 ± 1323	2615 ± 1616	3745 ± 2327	3106 ± 2169
CD44 + CK14	55 ± 96	71 ± 98	88 ± 140	78 ± 101	79 ± 106
CD44 + CLA	2439 ± 1231	1131 ± 765	2380 ± 1583	2869 ± 1700	2179 ± 823
CD44 + c-myc	615 ± 497	493 ± 684	396 ± 347	482 ± 433	414 ± 342
CD44 + Collagen IV	2846 ± 2040	2618 ± 1401	3528 ± 1429	4230 ± 2555	3628 ± 3147
CD44 + FXIIIA	2003 ± 1564	1881 ± 1063	2976 ± 1819	2709 ± 1730	3028 ± 1618
CD44 + HLA-DR	21840 ± 4588	15377 ± 5975	20979 ± 7879	23794 ± 11753	20075 ± 4551
CD44 + IL-22R	7 ± 9	5 ± 9	5 ± 9	30 ± 59	24 ± 35
CD44 + IL-23R	99 ± 138	153 ± 399	72 ± 131	241 ± 341	104 ± 97
CD44 + Ki67	33 ± 57	10 ± 16	44 ± 125	12 ± 13	42 ± 91
CD44 + PI	11606 ± 5346	6319 ± 3485	11011 ± 5968	13237 ± 7635	10900 ± 3859
CD44 + Podoplanin	975 ± 944	1510 ± 1548	375 ± 282	800 ± 599	747 ± 840
CD44 + SNA1	5998 ± 4521	5134 ± 3615	5318 ± 1966	4081 ± 1704	4063 ± 1162
CD44 + STAT3	98 ± 169	89 ± 183	72 ± 104	51 ± 69	24 ± 44
CD44 + TIA1	875 ± 515	387 ± 538	719 ± 644	1033 ± 730	816 ± 560
CD44 + Vimentin	10952 ± 3218	9124 ± 3810	12780 ± 5491	13146 ± 5543	11009 ± 4737

Tabelle 434: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	65 ± 88	7 ± 11	7 ± 11	15 ± 22	17 ± 21
CD45 + BCL2	1390 ± 2035	278 ± 354	1260 ± 2163	1358 ± 2169	1760 ± 3559
CD45 + CCR6	797 ± 1022	234 ± 403	430 ± 457	1435 ± 1936	850 ± 1197
CD45 + CD11a	11569 ± 10534	2622 ± 3751	7042 ± 6243	11228 ± 14509	7146 ± 8855
CD45 + CD11b	2810 ± 2191	1162 ± 1660	1399 ± 1626	1992 ± 1422	3308 ± 3288
CD45 + CD120a	59 ± 121	4 ± 6	28 ± 47	147 ± 357	88 ± 211
CD45 + CD120b	1580 ± 2632	246 ± 368	516 ± 557	734 ± 816	2935 ± 6420
CD45 + CD138	34 ± 61	5 ± 10	8 ± 9	23 ± 50	13 ± 22
CD45 + CD15	299 ± 461	17 ± 22	72 ± 168	296 ± 612	44 ± 99
CD45 + CD1a	92 ± 138	178 ± 511	39 ± 51	45 ± 42	152 ± 270
CD45 + CD2	9822 ± 9938	2367 ± 3672	5673 ± 4823	8290 ± 9370	7620 ± 10098
CD45 + CD207	338 ± 502	240 ± 494	277 ± 332	221 ± 250	350 ± 413
CD45 + CD24	338 ± 422	86 ± 109	190 ± 250	408 ± 540	228 ± 225
CD45 + CD28	8136 ± 8704	1693 ± 2883	3621 ± 3778	7067 ± 8341	6469 ± 10034
CD45 + CD29	1268 ± 1127	235 ± 210	369 ± 200	746 ± 841	467 ± 241
CD45 + CD3	11209 ± 11491	2841 ± 3813	7016 ± 6134	11477 ± 13544	8290 ± 10557
CD45 + CD31	23 ± 27	12 ± 20	13 ± 21	83 ± 185	51 ± 114
CD45 + CD4	9107 ± 6698	2488 ± 3710	5688 ± 4620	10147 ± 13252	7663 ± 10439
CD45 + CD44	8510 ± 5917	2476 ± 2759	6612 ± 5833	9594 ± 9488	5551 ± 4170
CD45 + CD45RA	2500 ± 1787	582 ± 804	1343 ± 1103	2320 ± 2810	1635 ± 2155
CD45 + CD45RO	5903 ± 5317	1149 ± 2319	4021 ± 4586	6222 ± 7361	5825 ± 10131
CD45 + CD52	7989 ± 9404	1665 ± 2982	4119 ± 4843	7494 ± 9726	6222 ± 10034
CD45 + CD54	10131 ± 12251	1863 ± 2672	3376 ± 3170	7914 ± 10325	4600 ± 5399
CD45 + CD56	253 ± 268	33 ± 30	103 ± 102	156 ± 199	92 ± 91
CD45 + CD58	576 ± 741	396 ± 652	245 ± 427	2593 ± 6508	2290 ± 4791
CD45 + CD62E	6 ± 13	0 ± 1	6 ± 12	2 ± 3	2 ± 4
CD45 + CD62P	17 ± 50	1 ± 2	2 ± 2	2 ± 3	1 ± 2
CD45 + CD68	1055 ± 1092	333 ± 800	969 ± 999	1420 ± 1999	722 ± 1003
CD45 + CD7	5012 ± 3638	1400 ± 2310	4036 ± 3518	7171 ± 8419	5091 ± 7346
CD45 + CD8a	2864 ± 1672	1156 ± 1586	2309 ± 1937	3451 ± 3136	3833 ± 5773
CD45 + CK14	7 ± 12	2 ± 4	6 ± 9	10 ± 15	4 ± 6
CD45 + CLA	2451 ± 2339	544 ± 565	1545 ± 1326	1986 ± 1777	1334 ± 894
CD45 + c-myc	136 ± 141	23 ± 48	37 ± 51	112 ± 166	27 ± 47
CD45 + Collagen IV	648 ± 743	193 ± 236	508 ± 475	832 ± 964	439 ± 334
CD45 + FXIIIA	341 ± 301	117 ± 102	346 ± 452	598 ± 849	403 ± 434
CD45 + HLA-DR	8961 ± 6644	2305 ± 2491	5313 ± 4595	7311 ± 6200	4877 ± 3478
CD45 + IL-22R	4 ± 7	2 ± 4	3 ± 3	35 ± 86	21 ± 45
CD45 + IL-23R	36 ± 67	8 ± 14	14 ± 25	116 ± 244	35 ± 56
CD45 + Ki67	19 ± 38	2 ± 5	22 ± 65	5 ± 8	12 ± 23
CD45 + PI	9217 ± 8551	2137 ± 3105	5485 ± 5046	7835 ± 9082	6000 ± 6393
CD45 + Podoplanin	292 ± 471	103 ± 196	43 ± 91	350 ± 608	100 ± 143
CD45 + SNA1	2040 ± 2431	517 ± 431	1276 ± 1320	985 ± 751	674 ± 440
CD45 + STAT3	38 ± 82	3 ± 4	6 ± 7	31 ± 70	4 ± 5
CD45 + TIA1	906 ± 718	301 ± 527	585 ± 609	845 ± 692	911 ± 1043
CD45 + Vimentin	3910 ± 2961	1031 ± 1482	2748 ± 2708	3980 ± 4782	1744 ± 1580

Tabelle 435: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	133 ± 166	97 ± 131	85 ± 107	64 ± 104	56 ± 101
CD45RA + BCL2	367 ± 444	98 ± 106	295 ± 389	354 ± 597	523 ± 1095
CD45RA + CCR6	370 ± 327	235 ± 230	255 ± 201	456 ± 384	303 ± 279
CD45RA + CD11a	2737 ± 1713	828 ± 1180	1723 ± 1366	2642 ± 2940	1903 ± 2269
CD45RA + CD11b	921 ± 813	743 ± 899	703 ± 922	936 ± 859	1399 ± 1104
CD45RA + CD120a	21 ± 40	3 ± 7	5 ± 8	9 ± 14	25 ± 52
CD45RA + CD120b	729 ± 613	209 ± 284	266 ± 287	376 ± 259	1112 ± 1860
CD45RA + CD138	86 ± 137	82 ± 156	84 ± 109	49 ± 96	46 ± 92
CD45RA + CD15	103 ± 97	47 ± 67	51 ± 48	68 ± 52	41 ± 44
CD45RA + CD1a	19 ± 32	14 ± 34	4 ± 7	3 ± 4	13 ± 27
CD45RA + CD2	1912 ± 1290	666 ± 964	1227 ± 981	1827 ± 1969	1848 ± 2475
CD45RA + CD207	46 ± 45	15 ± 21	29 ± 56	16 ± 22	37 ± 48
CD45RA + CD24	546 ± 433	219 ± 228	293 ± 228	365 ± 206	545 ± 287
CD45RA + CD28	1481 ± 1152	319 ± 612	585 ± 617	1264 ± 1581	1419 ± 2434
CD45RA + CD29	878 ± 526	338 ± 244	370 ± 229	442 ± 213	488 ± 300
CD45RA + CD3	2298 ± 1503	830 ± 1095	1420 ± 1175	2457 ± 2516	2225 ± 3008
CD45RA + CD31	22 ± 29	30 ± 37	17 ± 29	33 ± 52	20 ± 28
CD45RA + CD4	2077 ± 1404	638 ± 998	1188 ± 1024	2150 ± 2803	1863 ± 2687
CD45RA + CD44	3493 ± 1783	1490 ± 1421	2517 ± 1513	3197 ± 1702	2752 ± 1376
CD45RA + CD45	2500 ± 1787	582 ± 804	1343 ± 1103	2320 ± 2810	1635 ± 2155
CD45RA + CD45RO	763 ± 598	210 ± 337	508 ± 489	871 ± 1121	1087 ± 2279
CD45RA + CD52	1769 ± 1472	523 ± 997	932 ± 1079	1735 ± 2192	1653 ± 2652
CD45RA + CD54	2684 ± 2298	620 ± 821	845 ± 820	1887 ± 2298	1508 ± 1687
CD45RA + CD56	311 ± 228	247 ± 204	247 ± 174	240 ± 159	223 ± 153
CD45RA + CD58	257 ± 289	138 ± 173	126 ± 168	637 ± 1535	698 ± 1494
CD45RA + CD62E	3 ± 7	5 ± 14	2 ± 3	1 ± 2	1 ± 3
CD45RA + CD62P	18 ± 32	13 ± 20	13 ± 20	9 ± 20	11 ± 21
CD45RA + CD68	502 ± 424	270 ± 414	500 ± 462	704 ± 767	396 ± 402
CD45RA + CD7	1442 ± 919	564 ± 783	1051 ± 827	1776 ± 1818	1520 ± 1984
CD45RA + CD8a	857 ± 533	452 ± 610	677 ± 594	1010 ± 752	1222 ± 1650
CD45RA + CK14	25 ± 54	12 ± 25	28 ± 43	11 ± 25	12 ± 24
CD45RA + CLA	1149 ± 822	335 ± 313	751 ± 568	899 ± 672	655 ± 355
CD45RA + c-myc	146 ± 173	136 ± 231	114 ± 108	105 ± 110	68 ± 88
CD45RA + Collagen IV	431 ± 471	233 ± 351	311 ± 352	369 ± 331	336 ± 394
CD45RA + FXIIIA	261 ± 210	267 ± 182	303 ± 228	314 ± 149	291 ± 122
CD45RA + HLA-DR	3720 ± 1819	1527 ± 1363	2275 ± 1390	2738 ± 1252	2479 ± 1291
CD45RA + IL-22R	2 ± 4	1 ± 4	2 ± 4	10 ± 23	7 ± 14
CD45RA + IL-23R	15 ± 22	17 ± 31	15 ± 20	20 ± 22	16 ± 16
CD45RA + Ki67	5 ± 10	5 ± 11	12 ± 23	6 ± 11	7 ± 14
CD45RA + PI	3020 ± 1733	1109 ± 1389	1981 ± 1562	2456 ± 1945	2256 ± 1961
CD45RA + Podoplanin	249 ± 320	241 ± 263	132 ± 131	227 ± 198	120 ± 140
CD45RA + SNA1	1004 ± 976	440 ± 210	518 ± 291	475 ± 175	497 ± 196
CD45RA + STAT3	127 ± 210	134 ± 220	122 ± 145	83 ± 131	59 ± 126
CD45RA + TIA1	484 ± 321	301 ± 361	352 ± 331	388 ± 319	505 ± 470
CD45RA + Vimentin	1194 ± 803	561 ± 624	905 ± 748	1091 ± 958	640 ± 583

Tabelle 436: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	99 ± 175	67 ± 139	78 ± 113	50 ± 104	35 ± 95
CD45RO + BCL2	900 ± 1392	147 ± 220	1151 ± 2439	1074 ± 1780	1840 ± 4064
CD45RO + CCR6	521 ± 579	187 ± 304	339 ± 385	1086 ± 1427	801 ± 1447
CD45RO + CD11a	6048 ± 5272	1319 ± 2790	4212 ± 4961	6319 ± 7635	5962 ± 10226
CD45RO + CD11b	1631 ± 1612	603 ± 1336	961 ± 1401	1432 ± 1355	2874 ± 4736
CD45RO + CD120a	25 ± 58	2 ± 2	11 ± 21	74 ± 174	119 ± 314
CD45RO + CD120b	952 ± 1910	121 ± 294	330 ± 401	443 ± 524	2995 ± 7069
CD45RO + CD138	84 ± 159	75 ± 155	108 ± 137	50 ± 100	41 ± 96
CD45RO + CD15	312 ± 490	25 ± 54	128 ± 359	318 ± 657	16 ± 20
CD45RO + CD1a	39 ± 44	69 ± 191	21 ± 29	29 ± 35	149 ± 294
CD45RO + CD2	6014 ± 5264	1495 ± 3124	4305 ± 4988	5929 ± 6376	8107 ± 14661
CD45RO + CD207	173 ± 255	116 ± 232	202 ± 272	160 ± 239	313 ± 519
CD45RO + CD24	114 ± 174	10 ± 12	137 ± 336	294 ± 560	90 ± 178
CD45RO + CD28	4635 ± 4628	1025 ± 2253	2607 ± 3398	4496 ± 5150	6634 ± 12739
CD45RO + CD29	568 ± 518	112 ± 112	206 ± 152	443 ± 745	208 ± 147
CD45RO + CD3	5874 ± 5366	1413 ± 2898	4401 ± 5260	6708 ± 7363	8373 ± 15851
CD45RO + CD31	7 ± 9	3 ± 4	5 ± 7	32 ± 71	57 ± 166
CD45RO + CD4	5480 ± 4724	1429 ± 3117	3627 ± 4059	5973 ± 6632	7926 ± 14740
CD45RO + CD44	3615 ± 2673	1019 ± 1681	3617 ± 4265	5365 ± 5731	4130 ± 5999
CD45RO + CD45	5903 ± 5317	1149 ± 2319	4021 ± 4586	6222 ± 7361	5825 ± 10131
CD45RO + CD45RA	763 ± 598	210 ± 337	508 ± 489	871 ± 1121	1087 ± 2279
CD45RO + CD52	4147 ± 4288	883 ± 1983	2836 ± 4086	4612 ± 6303	5870 ± 12192
CD45RO + CD54	4377 ± 4957	840 ± 1674	1840 ± 2147	4255 ± 5555	3592 ± 6494
CD45RO + CD56	207 ± 226	110 ± 168	200 ± 228	135 ± 149	128 ± 141
CD45RO + CD58	353 ± 449	214 ± 334	168 ± 284	1159 ± 2746	2111 ± 4873
CD45RO + CD62E	8 ± 15	7 ± 13	31 ± 60	8 ± 10	8 ± 13
CD45RO + CD62P	16 ± 31	11 ± 17	18 ± 24	9 ± 17	10 ± 18
CD45RO + CD68	667 ± 720	272 ± 646	744 ± 881	1057 ± 1374	829 ± 1278
CD45RO + CD7	2897 ± 2498	681 ± 1511	2398 ± 2658	4312 ± 5285	4202 ± 8176
CD45RO + CD8a	1351 ± 1061	446 ± 947	1127 ± 1278	1845 ± 1945	3131 ± 6574
CD45RO + CK14	26 ± 62	9 ± 23	30 ± 50	12 ± 23	12 ± 25
CD45RO + CLA	1260 ± 1242	236 ± 434	1010 ± 1292	1211 ± 1376	987 ± 1374
CD45RO + c-myc	118 ± 176	78 ± 151	103 ± 118	92 ± 133	56 ± 69
CD45RO + Collagen IV	307 ± 364	79 ± 154	287 ± 332	415 ± 503	236 ± 267
CD45RO + FXIIIA	242 ± 229	136 ± 150	425 ± 636	470 ± 555	487 ± 744
CD45RO + HLA-DR	3915 ± 2738	1049 ± 1651	3076 ± 3662	4192 ± 4252	3735 ± 5268
CD45RO + IL-22R	2 ± 3	1 ± 2	1 ± 2	13 ± 30	20 ± 45
CD45RO + IL-23R	44 ± 83	18 ± 27	28 ± 46	124 ± 247	72 ± 103
CD45RO + Ki67	12 ± 25	1 ± 2	23 ± 70	9 ± 13	5 ± 10
CD45RO + PI	4742 ± 3894	1163 ± 2386	3775 ± 4720	4671 ± 5445	5589 ± 9318
CD45RO + Podoplanin	189 ± 245	105 ± 154	91 ± 108	201 ± 241	109 ± 137
CD45RO + SNA1	1270 ± 1529	292 ± 295	992 ± 1359	688 ± 603	503 ± 552
CD45RO + STAT3	123 ± 238	89 ± 178	139 ± 188	87 ± 147	46 ± 120
CD45RO + TIA1	558 ± 474	197 ± 319	407 ± 483	634 ± 633	716 ± 1121
CD45RO + Vimentin	2264 ± 1691	663 ± 1241	2086 ± 2643	2686 ± 2959	1580 ± 1928

Tabelle 437: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	97 ± 142	40 ± 83	31 ± 65	41 ± 74	41 ± 69
CD52 + BCL2	1083 ± 1768	227 ± 317	1061 ± 2245	1083 ± 1734	1727 ± 3790
CD52 + CCR6	645 ± 875	240 ± 422	373 ± 450	1235 ± 1627	893 ± 1392
CD52 + CD11a	8043 ± 8622	1915 ± 3668	4538 ± 5549	7857 ± 10368	6425 ± 9585
CD52 + CD11b	1720 ± 2032	826 ± 1835	996 ± 1833	1365 ± 1694	2806 ± 4137
CD52 + CD120a	33 ± 68	5 ± 9	8 ± 13	47 ± 102	97 ± 279
CD52 + CD120b	1316 ± 2476	264 ± 437	406 ± 477	641 ± 684	3119 ± 7143
CD52 + CD138	35 ± 67	26 ± 70	24 ± 29	27 ± 52	13 ± 20
CD52 + CD15	207 ± 297	32 ± 47	47 ± 71	200 ± 354	27 ± 35
CD52 + CD1a	51 ± 64	148 ± 423	23 ± 38	35 ± 42	152 ± 252
CD52 + CD2	7558 ± 8275	1891 ± 3736	4048 ± 4838	6002 ± 6960	7666 ± 12881
CD52 + CD207	273 ± 449	217 ± 449	215 ± 302	204 ± 286	348 ± 431
CD52 + CD24	248 ± 230	115 ± 172	226 ± 204	370 ± 357	362 ± 444
CD52 + CD28	6595 ± 7597	1413 ± 2921	2959 ± 3983	5446 ± 6804	6972 ± 12503
CD52 + CD29	861 ± 836	179 ± 205	289 ± 224	687 ± 990	504 ± 521
CD52 + CD3	8444 ± 9483	2315 ± 4112	4982 ± 6076	8349 ± 9983	8999 ± 15298
CD52 + CD31	47 ± 70	28 ± 71	32 ± 71	123 ± 202	97 ± 142
CD52 + CD4	6792 ± 5978	2037 ± 4060	3936 ± 4681	7034 ± 8836	8265 ± 14265
CD52 + CD44	5469 ± 4733	2064 ± 3047	4482 ± 5190	7104 ± 8055	5391 ± 6190
CD52 + CD45	7989 ± 9404	1665 ± 2982	4119 ± 4843	7494 ± 9726	6222 ± 10034
CD52 + CD45RA	1769 ± 1472	523 ± 997	932 ± 1079	1735 ± 2192	1653 ± 2652
CD52 + CD45RO	4147 ± 4288	883 ± 1983	2836 ± 4086	4612 ± 6303	5870 ± 12192
CD52 + CD54	7019 ± 9763	1551 ± 2704	2316 ± 2893	5981 ± 8027	4796 ± 7071
CD52 + CD56	239 ± 234	57 ± 96	100 ± 121	130 ± 138	108 ± 131
CD52 + CD58	531 ± 739	371 ± 620	231 ± 472	2034 ± 5018	2528 ± 5619
CD52 + CD62E	6 ± 10	5 ± 11	20 ± 45	6 ± 12	5 ± 10
CD52 + CD62P	29 ± 67	10 ± 23	16 ± 25	9 ± 23	7 ± 23
CD52 + CD68	729 ± 988	373 ± 929	686 ± 988	1187 ± 1655	768 ± 1138
CD52 + CD7	3593 ± 2964	1048 ± 2194	2586 ± 2972	5324 ± 6935	4802 ± 8160
CD52 + CD8a	2201 ± 1749	896 ± 1637	1652 ± 1883	2540 ± 2596	3662 ± 6557
CD52 + CK14	12 ± 32	3 ± 6	10 ± 17	4 ± 6	5 ± 9
CD52 + CLA	1741 ± 1877	454 ± 651	1067 ± 1193	1537 ± 1693	1208 ± 1214
CD52 + c-myc	99 ± 133	63 ± 134	57 ± 102	104 ± 152	35 ± 95
CD52 + Collagen IV	500 ± 462	259 ± 481	420 ± 525	761 ± 884	638 ± 671
CD52 + FXIIIA	231 ± 180	156 ± 240	278 ± 405	513 ± 684	459 ± 680
CD52 + HLA-DR	5897 ± 5623	1929 ± 2950	3699 ± 4332	5661 ± 6291	4675 ± 5072
CD52 + IL-22R	4 ± 7	3 ± 4	2 ± 4	25 ± 59	22 ± 51
CD52 + IL-23R	24 ± 62	8 ± 14	11 ± 21	44 ± 90	35 ± 76
CD52 + Ki67	7 ± 15	2 ± 4	26 ± 83	7 ± 13	6 ± 11
CD52 + PI	6490 ± 6644	1900 ± 3612	3991 ± 4961	6037 ± 7777	5991 ± 8133
CD52 + Podoplanin	191 ± 224	82 ± 149	59 ± 139	306 ± 517	107 ± 172
CD52 + SNA1	974 ± 728	512 ± 616	826 ± 999	700 ± 549	599 ± 546
CD52 + STAT3	34 ± 79	27 ± 79	18 ± 26	38 ± 76	4 ± 7
CD52 + TIA1	729 ± 715	246 ± 540	418 ± 593	650 ± 699	747 ± 1099
CD52 + Vimentin	2402 ± 2293	913 ± 1618	1754 ± 2367	2706 ± 3310	1402 ± 1698

Tabelle 438: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	525 ± 751	174 ± 361	183 ± 357	213 ± 378	215 ± 376
CD54 + BCL2	1383 ± 2113	306 ± 472	618 ± 901	1118 ± 1778	1231 ± 2319
CD54 + CCR6	803 ± 1146	189 ± 350	293 ± 354	1097 ± 1592	723 ± 1066
CD54 + CD11a	9583 ± 10475	2242 ± 3226	3738 ± 3625	8407 ± 10723	5184 ± 5259
CD54 + CD11b	3640 ± 3020	1970 ± 2469	1950 ± 2476	2603 ± 2226	4890 ± 3811
CD54 + CD120a	134 ± 298	12 ± 21	36 ± 53	185 ± 389	129 ± 316
CD54 + CD120b	1900 ± 2735	416 ± 443	462 ± 451	692 ± 598	2420 ± 4805
CD54 + CD138	68 ± 122	14 ± 36	26 ± 43	38 ± 68	33 ± 40
CD54 + CD15	472 ± 632	61 ± 77	80 ± 97	369 ± 657	78 ± 88
CD54 + CD1a	104 ± 156	391 ± 1211	40 ± 59	45 ± 45	161 ± 258
CD54 + CD2	8262 ± 9899	2138 ± 3390	3242 ± 3388	6090 ± 6947	5496 ± 6544
CD54 + CD207	412 ± 598	383 ± 883	291 ± 370	232 ± 311	338 ± 343
CD54 + CD24	650 ± 711	276 ± 290	263 ± 231	545 ± 522	585 ± 564
CD54 + CD28	6973 ± 8617	1550 ± 2654	2287 ± 2678	5637 ± 6958	4847 ± 6658
CD54 + CD29	3361 ± 2385	1122 ± 1047	1370 ± 891	1808 ± 1027	1874 ± 1388
CD54 + CD3	9497 ± 11417	2989 ± 3606	4013 ± 3730	8887 ± 10436	7214 ± 8413
CD54 + CD31	391 ± 288	288 ± 311	270 ± 313	596 ± 778	359 ± 320
CD54 + CD4	9405 ± 7469	3167 ± 4316	4575 ± 4209	8984 ± 10098	7566 ± 7659
CD54 + CD44	12929 ± 9090	5225 ± 5761	6703 ± 4836	10253 ± 8734	8914 ± 6014
CD54 + CD45	10131 ± 12251	1863 ± 2672	3376 ± 3170	7914 ± 10325	4600 ± 5399
CD54 + CD45RA	2684 ± 2298	620 ± 821	845 ± 820	1887 ± 2298	1508 ± 1687
CD54 + CD45RO	4377 ± 4957	840 ± 1674	1840 ± 2147	4255 ± 5555	3592 ± 6494
CD54 + CD52	7019 ± 9763	1551 ± 2704	2316 ± 2893	5981 ± 8027	4796 ± 7071
CD54 + CD56	571 ± 532	148 ± 191	218 ± 183	321 ± 325	257 ± 182
CD54 + CD58	776 ± 909	827 ± 1620	353 ± 643	2623 ± 6244	2464 ± 4650
CD54 + CD62E	15 ± 20	5 ± 17	16 ± 29	8 ± 17	9 ± 17
CD54 + CD62P	52 ± 84	32 ± 73	38 ± 73	49 ± 81	34 ± 73
CD54 + CD68	2063 ± 1772	725 ± 1299	1315 ± 1255	1715 ± 2005	1348 ± 1529
CD54 + CD7	4010 ± 3320	1200 ± 1946	2249 ± 2217	5245 ± 6672	3558 ± 4570
CD54 + CD8a	2001 ± 1442	914 ± 1165	1101 ± 1157	2161 ± 2080	2415 ± 3139
CD54 + CK14	7 ± 14	4 ± 7	5 ± 11	8 ± 14	10 ± 24
CD54 + CLA	2274 ± 2471	475 ± 508	910 ± 729	1498 ± 1624	1143 ± 731
CD54 + c-myc	591 ± 782	278 ± 715	391 ± 723	336 ± 711	273 ± 717
CD54 + Collagen IV	3049 ± 2321	1459 ± 1700	1883 ± 1586	2518 ± 2000	2293 ± 1963
CD54 + FXIIIA	952 ± 803	468 ± 555	604 ± 522	919 ± 834	1067 ± 797
CD54 + HLA-DR	14444 ± 10686	5295 ± 5808	6265 ± 4740	8766 ± 6495	8486 ± 5410
CD54 + IL-22R	5 ± 9	4 ± 8	4 ± 7	36 ± 89	22 ± 44
CD54 + IL-23R	111 ± 283	92 ± 270	28 ± 41	147 ± 283	60 ± 88
CD54 + Ki67	18 ± 22	8 ± 18	14 ± 28	12 ± 18	31 ± 56
CD54 + PI	10509 ± 9348	3076 ± 3761	4060 ± 3620	6965 ± 6954	6434 ± 4848
CD54 + Podoplanin	609 ± 645	321 ± 405	147 ± 170	580 ± 852	280 ± 262
CD54 + SNA1	4543 ± 4264	1847 ± 2067	2129 ± 1248	2030 ± 1394	1979 ± 1155
CD54 + STAT3	59 ± 105	12 ± 18	14 ± 18	35 ± 72	9 ± 14
CD54 + TIA1	792 ± 753	252 ± 425	351 ± 432	615 ± 602	556 ± 624
CD54 + Vimentin	6966 ± 5194	2394 ± 2895	3293 ± 2344	4869 ± 4759	3339 ± 2309

Tabelle 439: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	179 ± 255	91 ± 168	95 ± 121	61 ± 110	48 ± 102
CD56 + BCL2	56 ± 44	19 ± 25	72 ± 104	47 ± 65	54 ± 62
CD56 + CCR6	222 ± 273	144 ± 188	154 ± 144	237 ± 247	100 ± 78
CD56 + CD11a	285 ± 256	58 ± 59	187 ± 184	197 ± 228	109 ± 79
CD56 + CD11b	231 ± 149	209 ± 169	175 ± 172	277 ± 218	367 ± 192
CD56 + CD120a	2 ± 3	1 ± 1	1 ± 2	14 ± 30	2 ± 6
CD56 + CD120b	40 ± 30	24 ± 21	23 ± 15	30 ± 18	50 ± 51
CD56 + CD138	108 ± 175	124 ± 239	124 ± 140	65 ± 103	53 ± 100
CD56 + CD15	28 ± 47	30 ± 76	10 ± 11	31 ± 43	7 ± 11
CD56 + CD1a	2 ± 2	3 ± 7	2 ± 4	0 ± 1	2 ± 4
CD56 + CD2	309 ± 331	66 ± 53	195 ± 204	189 ± 177	163 ± 155
CD56 + CD207	7 ± 15	1 ± 4	3 ± 7	1 ± 4	3 ± 5
CD56 + CD24	35 ± 39	31 ± 29	39 ± 37	40 ± 24	42 ± 33
CD56 + CD28	161 ± 143	24 ± 30	47 ± 41	98 ± 98	97 ± 114
CD56 + CD29	853 ± 668	578 ± 333	730 ± 362	638 ± 453	709 ± 563
CD56 + CD3	282 ± 213	96 ± 69	168 ± 119	263 ± 250	226 ± 233
CD56 + CD31	4 ± 5	2 ± 4	4 ± 6	4 ± 5	10 ± 26
CD56 + CD4	471 ± 488	181 ± 218	233 ± 202	376 ± 339	308 ± 212
CD56 + CD44	889 ± 755	758 ± 364	817 ± 351	891 ± 541	789 ± 402
CD56 + CD45	253 ± 268	33 ± 30	103 ± 102	156 ± 199	92 ± 91
CD56 + CD45RA	311 ± 228	247 ± 204	247 ± 174	240 ± 159	223 ± 153
CD56 + CD45RO	207 ± 226	110 ± 168	200 ± 228	135 ± 149	128 ± 141
CD56 + CD52	239 ± 234	57 ± 96	100 ± 121	130 ± 138	108 ± 131
CD56 + CD54	571 ± 532	148 ± 191	218 ± 183	321 ± 325	257 ± 182
CD56 + CD58	166 ± 159	183 ± 216	111 ± 81	269 ± 364	266 ± 286
CD56 + CD62E	1 ± 1	5 ± 13	2 ± 3	1 ± 1	1 ± 1
CD56 + CD62P	12 ± 21	12 ± 17	12 ± 17	9 ± 18	10 ± 18
CD56 + CD68	434 ± 387	273 ± 227	400 ± 265	420 ± 256	353 ± 237
CD56 + CD7	199 ± 184	41 ± 52	177 ± 191	154 ± 193	103 ± 84
CD56 + CD8a	84 ± 80	39 ± 46	55 ± 45	54 ± 46	70 ± 52
CD56 + CK14	28 ± 62	13 ± 23	31 ± 47	10 ± 23	10 ± 23
CD56 + CLA	78 ± 37	33 ± 27	73 ± 61	64 ± 39	50 ± 28
CD56 + c-myc	205 ± 294	215 ± 450	183 ± 173	150 ± 196	81 ± 100
CD56 + Collagen IV	1035 ± 646	985 ± 520	1216 ± 493	1250 ± 652	1319 ± 1117
CD56 + FXIIIA	485 ± 405	548 ± 303	529 ± 315	524 ± 346	495 ± 362
CD56 + HLA-DR	1229 ± 506	922 ± 306	1076 ± 425	1128 ± 729	997 ± 344
CD56 + IL-22R	0 ± 1	0 ± 0	0 ± 0	1 ± 2	1 ± 1
CD56 + IL-23R	17 ± 23	33 ± 71	19 ± 24	27 ± 21	18 ± 19
CD56 + Ki67	8 ± 15	1 ± 3	5 ± 12	9 ± 12	2 ± 2
CD56 + PI	662 ± 451	354 ± 148	569 ± 304	610 ± 340	597 ± 279
CD56 + Podoplanin	210 ± 235	331 ± 332	141 ± 134	169 ± 166	132 ± 156
CD56 + SNA1	661 ± 485	626 ± 311	644 ± 216	571 ± 232	591 ± 279
CD56 + STAT3	172 ± 278	198 ± 343	233 ± 262	119 ± 173	73 ± 151
CD56 + TIA1	132 ± 102	84 ± 113	94 ± 69	84 ± 69	65 ± 54
CD56 + Vimentin	780 ± 481	689 ± 370	816 ± 467	765 ± 404	570 ± 307

Tabelle 440: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	109 ± 134	77 ± 121	71 ± 111	68 ± 114	60 ± 114
CD58 + BCL2	69 ± 63	115 ± 293	30 ± 43	367 ± 1073	806 ± 1933
CD58 + CCR6	97 ± 115	76 ± 117	80 ± 103	375 ± 888	380 ± 809
CD58 + CD11a	630 ± 888	438 ± 744	269 ± 507	2469 ± 6398	2260 ± 4368
CD58 + CD11b	205 ± 322	213 ± 338	163 ± 340	337 ± 380	1227 ± 2325
CD58 + CD120a	11 ± 27	3 ± 5	4 ± 6	65 ± 145	78 ± 203
CD58 + CD120b	210 ± 396	130 ± 266	58 ± 128	250 ± 414	1686 ± 4091
CD58 + CD138	41 ± 66	45 ± 73	42 ± 49	42 ± 59	24 ± 42
CD58 + CD15	16 ± 27	14 ± 40	3 ± 5	74 ± 157	2 ± 3
CD58 + CD1a	22 ± 28	334 ± 1075	10 ± 13	11 ± 13	133 ± 235
CD58 + CD2	479 ± 622	374 ± 611	245 ± 474	1655 ± 4210	2335 ± 5012
CD58 + CD207	28 ± 31	251 ± 779	18 ± 31	26 ± 36	162 ± 264
CD58 + CD24	37 ± 33	33 ± 39	26 ± 36	105 ± 160	168 ± 301
CD58 + CD28	514 ± 709	372 ± 658	211 ± 407	1768 ± 4300	2456 ± 5141
CD58 + CD29	413 ± 318	279 ± 322	227 ± 281	416 ± 475	463 ± 473
CD58 + CD3	625 ± 840	639 ± 1216	293 ± 536	2564 ± 6371	2894 ± 6057
CD58 + CD31	90 ± 118	77 ± 130	62 ± 125	165 ± 285	145 ± 197
CD58 + CD4	683 ± 909	574 ± 993	319 ± 593	2572 ± 6441	2861 ± 5789
CD58 + CD44	657 ± 669	861 ± 1660	353 ± 553	2249 ± 4802	2096 ± 3525
CD58 + CD45	576 ± 741	396 ± 652	245 ± 427	2593 ± 6508	2290 ± 4791
CD58 + CD45RA	257 ± 289	138 ± 173	126 ± 168	637 ± 1535	698 ± 1494
CD58 + CD45RO	353 ± 449	214 ± 334	168 ± 284	1159 ± 2746	2111 ± 4873
CD58 + CD52	531 ± 739	371 ± 620	231 ± 472	2034 ± 5018	2528 ± 5619
CD58 + CD54	776 ± 909	827 ± 1620	353 ± 643	2623 ± 6244	2464 ± 4650
CD58 + CD56	166 ± 159	183 ± 216	111 ± 81	269 ± 364	266 ± 286
CD58 + CD62E	5 ± 11	6 ± 14	3 ± 10	3 ± 10	5 ± 10
CD58 + CD62P	15 ± 26	14 ± 25	14 ± 25	12 ± 25	12 ± 25
CD58 + CD68	172 ± 252	143 ± 263	138 ± 256	458 ± 918	342 ± 488
CD58 + CD7	332 ± 369	187 ± 339	186 ± 336	1497 ± 3844	1878 ± 3911
CD58 + CD8a	218 ± 314	168 ± 275	124 ± 263	582 ± 1307	1235 ± 2766
CD58 + CK14	35 ± 64	26 ± 52	34 ± 54	23 ± 52	23 ± 52
CD58 + CLA	108 ± 117	90 ± 138	71 ± 125	307 ± 638	376 ± 594
CD58 + c-myc	123 ± 193	105 ± 195	97 ± 188	145 ± 218	92 ± 189
CD58 + Collagen IV	317 ± 351	326 ± 473	203 ± 357	662 ± 1057	511 ± 594
CD58 + FXIIIA	53 ± 67	66 ± 82	50 ± 54	200 ± 483	197 ± 296
CD58 + HLA-DR	849 ± 911	924 ± 1721	414 ± 599	1781 ± 3233	1904 ± 2791
CD58 + IL-22R	2 ± 3	2 ± 4	1 ± 3	22 ± 57	17 ± 39
CD58 + IL-23R	16 ± 25	33 ± 76	13 ± 21	60 ± 111	31 ± 51
CD58 + Ki67	6 ± 10	5 ± 11	3 ± 9	4 ± 9	5 ± 10
CD58 + PI	634 ± 763	525 ± 837	317 ± 604	1849 ± 4689	1994 ± 3483
CD58 + Podoplanin	75 ± 92	63 ± 83	52 ± 60	258 ± 633	90 ± 150
CD58 + SNA1	367 ± 289	508 ± 1073	188 ± 218	440 ± 680	440 ± 434
CD58 + STAT3	49 ± 91	42 ± 83	44 ± 57	37 ± 62	21 ± 45
CD58 + TIA1	105 ± 107	75 ± 112	62 ± 97	137 ± 200	255 ± 492
CD58 + Vimentin	410 ± 489	505 ± 959	236 ± 438	1082 ± 2412	598 ± 863

Tabelle 441: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	6 ± 12	7 ± 16	10 ± 22	4 ± 11	4 ± 11
CD62E + BCL2	2 ± 3	2 ± 4	11 ± 25	1 ± 2	1 ± 2
CD62E + CCR6	1 ± 3	4 ± 14	0 ± 1	1 ± 1	1 ± 2
CD62E + CD11a	3 ± 6	0 ± 0	4 ± 8	2 ± 5	2 ± 4
CD62E + CD11b	16 ± 26	6 ± 13	34 ± 59	33 ± 74	9 ± 14
CD62E + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	3 ± 7
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 1	2 ± 6	2 ± 4
CD62E + CD138	7 ± 12	8 ± 13	15 ± 35	4 ± 8	6 ± 11
CD62E + CD15	6 ± 14	3 ± 5	13 ± 35	29 ± 66	9 ± 23
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	4 ± 6	1 ± 3	6 ± 15	1 ± 3	3 ± 5
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	8 ± 17	0 ± 1	20 ± 42	31 ± 67	6 ± 20
CD62E + CD28	3 ± 5	1 ± 2	1 ± 2	1 ± 3	3 ± 4
CD62E + CD29	12 ± 18	9 ± 20	18 ± 29	10 ± 18	7 ± 17
CD62E + CD3	5 ± 7	1 ± 2	9 ± 14	5 ± 13	4 ± 8
CD62E + CD31	9 ± 17	5 ± 16	12 ± 24	7 ± 17	7 ± 17
CD62E + CD4	6 ± 8	2 ± 6	4 ± 6	3 ± 6	5 ± 8
CD62E + CD44	6 ± 9	2 ± 4	9 ± 12	12 ± 22	4 ± 6
CD62E + CD45	6 ± 13	0 ± 1	6 ± 12	2 ± 3	2 ± 4
CD62E + CD45RA	3 ± 7	5 ± 14	2 ± 3	1 ± 2	1 ± 3
CD62E + CD45RO	8 ± 15	7 ± 13	31 ± 60	8 ± 10	8 ± 13
CD62E + CD52	6 ± 10	5 ± 11	20 ± 45	6 ± 12	5 ± 10
CD62E + CD54	15 ± 20	5 ± 17	16 ± 29	8 ± 17	9 ± 17
CD62E + CD56	1 ± 1	5 ± 13	2 ± 3	1 ± 1	1 ± 1
CD62E + CD58	5 ± 11	6 ± 14	3 ± 10	3 ± 10	5 ± 10
CD62E + CD62P	18 ± 28	13 ± 25	24 ± 35	11 ± 25	15 ± 27
CD62E + CD68	7 ± 16	7 ± 17	10 ± 17	8 ± 18	8 ± 16
CD62E + CD7	2 ± 6	0 ± 0	2 ± 4	1 ± 2	2 ± 3
CD62E + CD8a	1 ± 3	0 ± 1	5 ± 10	1 ± 3	1 ± 1
CD62E + CK14	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	5 ± 10	1 ± 2	9 ± 18	12 ± 35	1 ± 2
CD62E + c-myc	7 ± 12	10 ± 17	14 ± 27	4 ± 12	4 ± 12
CD62E + Collagen IV	9 ± 15	4 ± 14	13 ± 25	13 ± 22	6 ± 14
CD62E + FXIIIA	4 ± 11	5 ± 14	17 ± 35	2 ± 5	10 ± 21
CD62E + HLA-DR	19 ± 21	8 ± 14	23 ± 31	13 ± 18	8 ± 11
CD62E + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + IL-23R	6 ± 9	5 ± 12	5 ± 14	2 ± 3	2 ± 3
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 3
CD62E + PI	27 ± 30	10 ± 23	55 ± 87	41 ± 71	16 ± 27
CD62E + Podoplanin	0 ± 0	4 ± 14	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	24 ± 31	15 ± 22	44 ± 64	15 ± 28	16 ± 24
CD62E + STAT3	1 ± 2	6 ± 14	1 ± 1	3 ± 10	0 ± 0
CD62E + TIA1	5 ± 9	4 ± 12	10 ± 32	12 ± 22	0 ± 1
CD62E + Vimentin	17 ± 20	9 ± 18	25 ± 30	10 ± 19	9 ± 17

Tabelle 442: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	31 ± 51	30 ± 51	33 ± 50	29 ± 51	27 ± 52
CD62P + BCL2	2 ± 3	2 ± 4	4 ± 7	1 ± 2	1 ± 2
CD62P + CCR6	10 ± 18	8 ± 15	9 ± 14	6 ± 14	7 ± 14
CD62P + CD11a	11 ± 33	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD62P + CD11b	17 ± 23	17 ± 23	17 ± 22	27 ± 41	12 ± 18
CD62P + CD120a	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD120b	110 ± 328	25 ± 57	19 ± 33	10 ± 14	7 ± 14
CD62P + CD138	23 ± 40	15 ± 25	24 ± 35	12 ± 26	15 ± 26
CD62P + CD15	112 ± 321	28 ± 56	32 ± 68	25 ± 36	15 ± 22
CD62P + CD1a	0 ± 1	0 ± 0	1 ± 4	0 ± 0	0 ± 0
CD62P + CD2	5 ± 10	2 ± 3	1 ± 3	3 ± 5	2 ± 3
CD62P + CD207	1 ± 4	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62P + CD24	124 ± 349	32 ± 61	37 ± 62	27 ± 31	19 ± 29
CD62P + CD28	12 ± 30	2 ± 5	3 ± 5	6 ± 8	3 ± 5
CD62P + CD29	151 ± 310	71 ± 81	78 ± 89	57 ± 62	53 ± 65
CD62P + CD3	24 ± 69	5 ± 7	9 ± 25	5 ± 10	2 ± 4
CD62P + CD31	25 ± 45	24 ± 45	28 ± 44	41 ± 59	26 ± 46
CD62P + CD4	15 ± 27	11 ± 26	11 ± 26	14 ± 27	11 ± 26
CD62P + CD44	124 ± 320	43 ± 69	47 ± 77	29 ± 45	23 ± 47
CD62P + CD45	17 ± 50	1 ± 2	2 ± 2	2 ± 3	1 ± 2
CD62P + CD45RA	18 ± 32	13 ± 20	13 ± 20	9 ± 20	11 ± 21
CD62P + CD45RO	16 ± 31	11 ± 17	18 ± 24	9 ± 17	10 ± 18
CD62P + CD52	29 ± 67	10 ± 23	16 ± 25	9 ± 23	7 ± 23
CD62P + CD54	52 ± 84	32 ± 73	38 ± 73	49 ± 81	34 ± 73
CD62P + CD56	12 ± 21	12 ± 17	12 ± 17	9 ± 18	10 ± 18
CD62P + CD58	15 ± 26	14 ± 25	14 ± 25	12 ± 25	12 ± 25
CD62P + CD62E	18 ± 28	13 ± 25	24 ± 35	11 ± 25	15 ± 27
CD62P + CD68	29 ± 41	26 ± 42	31 ± 40	27 ± 42	30 ± 42
CD62P + CD7	9 ± 25	3 ± 5	2 ± 4	3 ± 4	2 ± 4
CD62P + CD8a	6 ± 16	1 ± 3	2 ± 3	1 ± 2	1 ± 2
CD62P + CK14	6 ± 13	4 ± 10	6 ± 10	3 ± 10	3 ± 10
CD62P + CLA	6 ± 19	2 ± 2	2 ± 2	1 ± 1	1 ± 1
CD62P + c-myc	27 ± 54	27 ± 53	32 ± 53	22 ± 55	23 ± 54
CD62P + Collagen IV	25 ± 57	24 ± 57	27 ± 57	33 ± 60	23 ± 57
CD62P + FXIIIA	15 ± 20	12 ± 16	16 ± 21	10 ± 17	17 ± 21
CD62P + HLA-DR	102 ± 200	51 ± 56	50 ± 48	46 ± 44	38 ± 46
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	9 ± 11	7 ± 11	7 ± 13	4 ± 7	5 ± 7
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 3
CD62P + PI	85 ± 200	26 ± 42	34 ± 41	25 ± 41	26 ± 41
CD62P + Podoplanin	12 ± 22	11 ± 17	10 ± 17	7 ± 17	9 ± 18
CD62P + SNA1	94 ± 171	59 ± 68	76 ± 78	50 ± 48	45 ± 46
CD62P + STAT3	20 ± 44	11 ± 17	22 ± 43	7 ± 17	8 ± 17
CD62P + TIA1	9 ± 15	8 ± 14	8 ± 13	8 ± 13	5 ± 13
CD62P + Vimentin	33 ± 44	31 ± 44	38 ± 44	41 ± 55	31 ± 44

Tabelle 443: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	232 ± 227	91 ± 125	130 ± 133	108 ± 131	100 ± 137
CD68 + BCL2	360 ± 326	148 ± 135	430 ± 625	486 ± 828	381 ± 498
CD68 + CCR6	415 ± 410	175 ± 286	279 ± 316	609 ± 686	346 ± 379
CD68 + CD11a	1037 ± 1239	458 ± 1183	1120 ± 1312	1498 ± 2205	856 ± 1327
CD68 + CD11b	1750 ± 2019	1291 ± 2127	1564 ± 2045	1902 ± 1887	2487 ± 2256
CD68 + CD120a	14 ± 33	2 ± 4	12 ± 18	38 ± 79	27 ± 45
CD68 + CD120b	164 ± 205	45 ± 114	105 ± 131	123 ± 157	282 ± 518
CD68 + CD138	71 ± 113	43 ± 80	81 ± 113	48 ± 66	27 ± 53
CD68 + CD15	108 ± 134	43 ± 52	59 ± 100	191 ± 306	30 ± 31
CD68 + CD1a	19 ± 44	18 ± 48	8 ± 15	9 ± 15	7 ± 12
CD68 + CD2	1071 ± 1282	530 ± 1258	1081 ± 1269	1465 ± 2034	1147 ± 1591
CD68 + CD207	55 ± 92	28 ± 68	44 ± 69	35 ± 67	27 ± 68
CD68 + CD24	46 ± 37	18 ± 23	90 ± 134	157 ± 264	35 ± 24
CD68 + CD28	590 ± 691	229 ± 635	479 ± 670	806 ± 1148	705 ± 1063
CD68 + CD29	923 ± 578	536 ± 476	738 ± 386	735 ± 444	654 ± 479
CD68 + CD3	947 ± 1149	473 ± 1082	1063 ± 1194	1525 ± 2082	1245 ± 1759
CD68 + CD31	168 ± 163	148 ± 145	144 ± 144	194 ± 179	176 ± 181
CD68 + CD4	1440 ± 1467	667 ± 1352	1326 ± 1315	1786 ± 2202	1488 ± 1789
CD68 + CD44	2173 ± 1601	1556 ± 1441	2719 ± 1603	2715 ± 1520	2159 ± 1420
CD68 + CD45	1055 ± 1092	333 ± 800	969 ± 999	1420 ± 1999	722 ± 1003
CD68 + CD45RA	502 ± 424	270 ± 414	500 ± 462	704 ± 767	396 ± 402
CD68 + CD45RO	667 ± 720	272 ± 646	744 ± 881	1057 ± 1374	829 ± 1278
CD68 + CD52	729 ± 988	373 ± 929	686 ± 988	1187 ± 1655	768 ± 1138
CD68 + CD54	2063 ± 1772	725 ± 1299	1315 ± 1255	1715 ± 2005	1348 ± 1529
CD68 + CD56	434 ± 387	273 ± 227	400 ± 265	420 ± 256	353 ± 237
CD68 + CD58	172 ± 252	143 ± 263	138 ± 256	458 ± 918	342 ± 488
CD68 + CD62E	7 ± 16	7 ± 17	10 ± 17	8 ± 18	8 ± 16
CD68 + CD62P	29 ± 41	26 ± 42	31 ± 40	27 ± 42	30 ± 42
CD68 + CD7	445 ± 585	224 ± 583	637 ± 740	817 ± 1138	464 ± 663
CD68 + CD8a	222 ± 350	155 ± 356	259 ± 369	359 ± 495	352 ± 492
CD68 + CK14	73 ± 161	82 ± 153	81 ± 156	65 ± 157	63 ± 156
CD68 + CLA	340 ± 288	156 ± 258	417 ± 371	486 ± 498	243 ± 242
CD68 + c-myc	333 ± 300	321 ± 358	349 ± 318	241 ± 290	236 ± 271
CD68 + Collagen IV	553 ± 526	633 ± 571	717 ± 507	613 ± 492	614 ± 531
CD68 + FXIIIA	1369 ± 962	866 ± 831	1726 ± 1303	1596 ± 692	1629 ± 852
CD68 + HLA-DR	3094 ± 1858	1883 ± 2004	3403 ± 2279	2977 ± 1570	2673 ± 1934
CD68 + IL-22R	1 ± 3	1 ± 4	2 ± 4	5 ± 10	6 ± 8
CD68 + IL-23R	94 ± 131	82 ± 138	69 ± 95	142 ± 115	105 ± 112
CD68 + Ki67	13 ± 20	9 ± 16	10 ± 19	18 ± 21	7 ± 16
CD68 + PI	1816 ± 1365	1223 ± 1397	1919 ± 1363	1865 ± 1554	1785 ± 1464
CD68 + Podoplanin	201 ± 192	199 ± 124	117 ± 82	191 ± 126	175 ± 198
CD68 + SNA1	1550 ± 915	1179 ± 714	1683 ± 808	1271 ± 525	1177 ± 630
CD68 + STAT3	112 ± 155	69 ± 93	131 ± 180	99 ± 119	43 ± 65
CD68 + TIA1	179 ± 208	120 ± 220	151 ± 214	201 ± 224	159 ± 229
CD68 + Vimentin	3161 ± 2163	2185 ± 2217	3419 ± 2221	3321 ± 2078	2665 ± 2057

Tabelle 444: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	32 ± 38	24 ± 30	13 ± 23	24 ± 29	26 ± 41
CD7 + BCL2	757 ± 861	184 ± 284	895 ± 1504	1102 ± 1638	1533 ± 3249
CD7 + CCR6	464 ± 498	169 ± 330	312 ± 353	1097 ± 1466	662 ± 1041
CD7 + CD11a	5201 ± 3562	1717 ± 2659	4440 ± 3873	7415 ± 8966	5416 ± 7292
CD7 + CD11b	1261 ± 1249	786 ± 1291	831 ± 1261	1286 ± 1188	2291 ± 2689
CD7 + CD120a	14 ± 20	2 ± 3	12 ± 24	34 ± 63	57 ± 139
CD7 + CD120b	876 ± 1290	176 ± 360	507 ± 563	642 ± 656	2507 ± 5741
CD7 + CD138	18 ± 34	4 ± 7	8 ± 8	11 ± 17	8 ± 10
CD7 + CD15	167 ± 241	15 ± 26	35 ± 52	96 ± 118	25 ± 36
CD7 + CD1a	40 ± 52	27 ± 57	28 ± 37	37 ± 39	110 ± 176
CD7 + CD2	4792 ± 3386	1621 ± 2661	3919 ± 3414	6041 ± 6175	5715 ± 8331
CD7 + CD207	131 ± 156	71 ± 146	179 ± 209	159 ± 208	245 ± 281
CD7 + CD24	155 ± 192	70 ± 89	127 ± 119	236 ± 189	192 ± 244
CD7 + CD28	3996 ± 3029	1078 ± 2050	2560 ± 2622	5202 ± 6046	5003 ± 8094
CD7 + CD29	675 ± 531	206 ± 199	318 ± 186	631 ± 731	400 ± 350
CD7 + CD3	5355 ± 3680	1929 ± 2914	4766 ± 4093	8249 ± 8686	6459 ± 9053
CD7 + CD31	24 ± 25	37 ± 58	20 ± 21	73 ± 102	49 ± 67
CD7 + CD4	4469 ± 3161	1493 ± 2564	3649 ± 3173	6476 ± 7385	5603 ± 8498
CD7 + CD44	4127 ± 2500	1627 ± 2144	4443 ± 3613	7131 ± 6887	4252 ± 3799
CD7 + CD45	5012 ± 3638	1400 ± 2310	4036 ± 3518	7171 ± 8419	5091 ± 7346
CD7 + CD45RA	1442 ± 919	564 ± 783	1051 ± 827	1776 ± 1818	1520 ± 1984
CD7 + CD45RO	2897 ± 2498	681 ± 1511	2398 ± 2658	4312 ± 5285	4202 ± 8176
CD7 + CD52	3593 ± 2964	1048 ± 2194	2586 ± 2972	5324 ± 6935	4802 ± 8160
CD7 + CD54	4010 ± 3320	1200 ± 1946	2249 ± 2217	5245 ± 6672	3558 ± 4570
CD7 + CD56	199 ± 184	41 ± 52	177 ± 191	154 ± 193	103 ± 84
CD7 + CD58	332 ± 369	187 ± 339	186 ± 336	1497 ± 3844	1878 ± 3911
CD7 + CD62E	2 ± 6	0 ± 0	2 ± 4	1 ± 2	2 ± 3
CD7 + CD62P	9 ± 25	3 ± 5	2 ± 4	3 ± 4	2 ± 4
CD7 + CD68	445 ± 585	224 ± 583	637 ± 740	817 ± 1138	464 ± 663
CD7 + CD8a	1908 ± 1371	964 ± 1446	1796 ± 1601	2993 ± 2599	3390 ± 5421
CD7 + CK14	7 ± 14	2 ± 5	8 ± 14	9 ± 19	5 ± 7
CD7 + CLA	1273 ± 951	444 ± 524	1177 ± 1058	1654 ± 1501	1116 ± 883
CD7 + c-myc	71 ± 80	21 ± 44	46 ± 56	60 ± 72	26 ± 42
CD7 + Collagen IV	370 ± 356	198 ± 227	475 ± 431	671 ± 591	424 ± 437
CD7 + FXIIIA	111 ± 102	43 ± 48	173 ± 172	353 ± 416	245 ± 245
CD7 + HLA-DR	3808 ± 2094	1500 ± 1931	3463 ± 2708	5388 ± 4824	3621 ± 3157
CD7 + IL-22R	2 ± 4	1 ± 3	2 ± 3	24 ± 61	18 ± 41
CD7 + IL-23R	8 ± 12	2 ± 3	6 ± 16	43 ± 82	22 ± 42
CD7 + Ki67	4 ± 4	2 ± 3	18 ± 47	5 ± 7	7 ± 8
CD7 + PI	4116 ± 2740	1551 ± 2498	3784 ± 3218	5896 ± 6014	4655 ± 5337
CD7 + Podoplanin	151 ± 237	103 ± 243	33 ± 63	223 ± 367	74 ± 102
CD7 + SNA1	965 ± 1056	289 ± 275	889 ± 835	701 ± 498	515 ± 325
CD7 + STAT3	18 ± 38	4 ± 7	8 ± 12	20 ± 38	4 ± 7
CD7 + TIA1	730 ± 506	329 ± 541	535 ± 535	752 ± 634	888 ± 1049
CD7 + Vimentin	1974 ± 1378	676 ± 1198	2008 ± 1904	2938 ± 3146	1346 ± 1236

Tabelle 445: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	22 ± 28	12 ± 21	9 ± 20	14 ± 25	13 ± 21
CD8a + BCL2	322 ± 306	151 ± 150	405 ± 612	443 ± 558	1198 ± 2746
CD8a + CCR6	242 ± 265	124 ± 191	166 ± 191	482 ± 531	435 ± 680
CD8a + CD11a	3286 ± 1930	1562 ± 1992	2705 ± 2186	3862 ± 3363	4196 ± 5582
CD8a + CD11b	727 ± 817	643 ± 852	559 ± 885	900 ± 866	1737 ± 2168
CD8a + CD120a	12 ± 31	1 ± 2	2 ± 2	7 ± 8	41 ± 116
CD8a + CD120b	316 ± 391	126 ± 196	155 ± 196	242 ± 226	1666 ± 4025
CD8a + CD138	9 ± 13	6 ± 11	5 ± 9	4 ± 8	5 ± 9
CD8a + CD15	63 ± 84	10 ± 9	28 ± 59	75 ± 155	12 ± 14
CD8a + CD1a	16 ± 22	35 ± 76	14 ± 23	18 ± 26	44 ± 60
CD8a + CD2	3023 ± 1793	1504 ± 1965	2478 ± 1977	3394 ± 2446	4802 ± 6964
CD8a + CD207	37 ± 73	47 ± 89	51 ± 71	59 ± 84	110 ± 131
CD8a + CD24	84 ± 87	71 ± 58	92 ± 75	164 ± 98	149 ± 142
CD8a + CD28	1842 ± 1435	682 ± 1290	1153 ± 1312	2116 ± 1998	3363 ± 6073
CD8a + CD29	277 ± 110	159 ± 127	174 ± 102	299 ± 250	277 ± 203
CD8a + CD3	3220 ± 2081	1818 ± 2040	2810 ± 2204	4216 ± 3212	5203 ± 7557
CD8a + CD31	6 ± 10	8 ± 12	5 ± 9	14 ± 27	30 ± 71
CD8a + CD4	1922 ± 1446	1004 ± 1618	1458 ± 1540	2582 ± 2467	3769 ± 6459
CD8a + CD44	2504 ± 1123	1618 ± 1323	2615 ± 1616	3745 ± 2327	3106 ± 2169
CD8a + CD45	2864 ± 1672	1156 ± 1586	2309 ± 1937	3451 ± 3136	3833 ± 5773
CD8a + CD45RA	857 ± 533	452 ± 610	677 ± 594	1010 ± 752	1222 ± 1650
CD8a + CD45RO	1351 ± 1061	446 ± 947	1127 ± 1278	1845 ± 1945	3131 ± 6574
CD8a + CD52	2201 ± 1749	896 ± 1637	1652 ± 1883	2540 ± 2596	3662 ± 6557
CD8a + CD54	2001 ± 1442	914 ± 1165	1101 ± 1157	2161 ± 2080	2415 ± 3139
CD8a + CD56	84 ± 80	39 ± 46	55 ± 45	54 ± 46	70 ± 52
CD8a + CD58	218 ± 314	168 ± 275	124 ± 263	582 ± 1307	1235 ± 2766
CD8a + CD62E	1 ± 3	0 ± 1	5 ± 10	1 ± 3	1 ± 1
CD8a + CD62P	6 ± 16	1 ± 3	2 ± 3	1 ± 2	1 ± 2
CD8a + CD68	222 ± 350	155 ± 356	259 ± 369	359 ± 495	352 ± 492
CD8a + CD7	1908 ± 1371	964 ± 1446	1796 ± 1601	2993 ± 2599	3390 ± 5421
CD8a + CK14	3 ± 6	3 ± 6	6 ± 8	5 ± 7	6 ± 7
CD8a + CLA	1035 ± 452	677 ± 509	949 ± 595	1284 ± 553	1282 ± 759
CD8a + c-myc	43 ± 50	30 ± 52	37 ± 52	41 ± 61	38 ± 52
CD8a + Collagen IV	282 ± 250	235 ± 241	307 ± 230	423 ± 288	384 ± 322
CD8a + FXIIIA	86 ± 54	86 ± 75	115 ± 121	149 ± 126	209 ± 221
CD8a + HLA-DR	2514 ± 1163	1600 ± 1389	2208 ± 1436	3023 ± 1710	2865 ± 1984
CD8a + IL-22R	4 ± 8	1 ± 3	2 ± 3	15 ± 37	17 ± 37
CD8a + IL-23R	7 ± 19	4 ± 8	2 ± 6	10 ± 19	13 ± 28
CD8a + Ki67	1 ± 2	1 ± 1	5 ± 14	1 ± 1	6 ± 13
CD8a + PI	2937 ± 1997	1557 ± 2206	2501 ± 2247	3393 ± 2566	3958 ± 4555
CD8a + Podoplanin	55 ± 86	75 ± 173	19 ± 45	57 ± 77	42 ± 66
CD8a + SNA1	532 ± 429	323 ± 142	412 ± 262	386 ± 150	357 ± 124
CD8a + STAT3	7 ± 15	4 ± 8	5 ± 11	6 ± 11	2 ± 3
CD8a + TIA1	698 ± 570	351 ± 642	557 ± 616	757 ± 609	998 ± 1143
CD8a + Vimentin	1055 ± 798	662 ± 846	1015 ± 921	1397 ± 1194	930 ± 835

Tabelle 446: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	25 ± 63	10 ± 24	27 ± 47	7 ± 23	7 ± 23
CK14 + BCL2	10 ± 29	14 ± 29	18 ± 36	11 ± 29	11 ± 29
CK14 + CCR6	25 ± 60	9 ± 22	26 ± 45	8 ± 21	8 ± 21
CK14 + CD11a	4 ± 5	3 ± 5	8 ± 16	17 ± 36	6 ± 6
CK14 + CD11b	9 ± 19	9 ± 19	12 ± 21	11 ± 19	13 ± 20
CK14 + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	2 ± 4
CK14 + CD120b	2 ± 4	1 ± 1	1 ± 1	1 ± 2	4 ± 8
CK14 + CD138	41 ± 76	47 ± 90	54 ± 76	24 ± 56	23 ± 56
CK14 + CD15	8 ± 25	2 ± 7	2 ± 4	3 ± 3	1 ± 1
CK14 + CD1a	0 ± 2	2 ± 7	1 ± 3	0 ± 0	0 ± 1
CK14 + CD2	7 ± 14	5 ± 15	8 ± 15	9 ± 15	11 ± 17
CK14 + CD207	3 ± 12	0 ± 1	2 ± 5	1 ± 1	0 ± 0
CK14 + CD24	3 ± 8	1 ± 1	1 ± 2	2 ± 3	2 ± 3
CK14 + CD28	5 ± 8	2 ± 5	4 ± 5	5 ± 6	7 ± 10
CK14 + CD29	48 ± 71	38 ± 48	76 ± 112	37 ± 49	32 ± 49
CK14 + CD3	7 ± 11	4 ± 6	11 ± 20	11 ± 14	17 ± 30
CK14 + CD31	2 ± 4	1 ± 3	3 ± 4	2 ± 3	2 ± 3
CK14 + CD4	11 ± 21	8 ± 21	12 ± 22	11 ± 21	15 ± 23
CK14 + CD44	55 ± 96	71 ± 98	88 ± 140	78 ± 101	79 ± 106
CK14 + CD45	7 ± 12	2 ± 4	6 ± 9	10 ± 15	4 ± 6
CK14 + CD45RA	25 ± 54	12 ± 25	28 ± 43	11 ± 25	12 ± 24
CK14 + CD45RO	26 ± 62	9 ± 23	30 ± 50	12 ± 23	12 ± 25
CK14 + CD52	12 ± 32	3 ± 6	10 ± 17	4 ± 6	5 ± 9
CK14 + CD54	7 ± 14	4 ± 7	5 ± 11	8 ± 14	10 ± 24
CK14 + CD56	28 ± 62	13 ± 23	31 ± 47	10 ± 23	10 ± 23
CK14 + CD58	35 ± 64	26 ± 52	34 ± 54	23 ± 52	23 ± 52
CK14 + CD62E	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	6 ± 13	4 ± 10	6 ± 10	3 ± 10	3 ± 10
CK14 + CD68	73 ± 161	82 ± 153	81 ± 156	65 ± 157	63 ± 156
CK14 + CD7	7 ± 14	2 ± 5	8 ± 14	9 ± 19	5 ± 7
CK14 + CD8a	3 ± 6	3 ± 6	6 ± 8	5 ± 7	6 ± 7
CK14 + CLA	6 ± 11	4 ± 11	10 ± 18	9 ± 12	6 ± 11
CK14 + c-myc	121 ± 156	214 ± 273	165 ± 195	181 ± 226	162 ± 157
CK14 + Collagen IV	114 ± 251	206 ± 271	142 ± 248	200 ± 274	179 ± 257
CK14 + FXIIIA	32 ± 63	16 ± 29	34 ± 48	15 ± 29	15 ± 29
CK14 + HLA-DR	122 ± 191	121 ± 190	144 ± 198	129 ± 191	128 ± 192
CK14 + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CK14 + IL-23R	10 ± 25	12 ± 25	13 ± 26	9 ± 25	9 ± 25
CK14 + Ki67	1 ± 2	2 ± 4	2 ± 6	2 ± 4	1 ± 2
CK14 + PI	76 ± 151	97 ± 153	93 ± 157	84 ± 148	83 ± 148
CK14 + Podoplanin	26 ± 59	13 ± 23	21 ± 32	10 ± 23	9 ± 23
CK14 + SNA1	185 ± 336	314 ± 403	262 ± 370	250 ± 349	233 ± 328
CK14 + STAT3	25 ± 62	20 ± 42	27 ± 47	9 ± 23	7 ± 23
CK14 + TIA1	18 ± 43	8 ± 20	13 ± 21	7 ± 20	7 ± 20
CK14 + Vimentin	51 ± 90	68 ± 95	80 ± 117	64 ± 94	53 ± 86

Tabelle 447: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	20 ± 24	6 ± 8	6 ± 7	9 ± 14	8 ± 12
CLA + BCL2	381 ± 417	135 ± 130	426 ± 647	359 ± 421	386 ± 458
CLA + CCR6	270 ± 360	109 ± 141	170 ± 168	376 ± 374	237 ± 206
CLA + CD11a	2740 ± 2067	857 ± 845	1992 ± 1537	2364 ± 2039	1740 ± 1007
CLA + CD11b	921 ± 481	464 ± 487	590 ± 533	1022 ± 655	971 ± 408
CLA + CD120a	6 ± 8	1 ± 2	11 ± 19	13 ± 23	10 ± 23
CLA + CD120b	327 ± 562	71 ± 102	169 ± 177	186 ± 188	496 ± 892
CLA + CD138	18 ± 46	5 ± 9	8 ± 9	4 ± 8	8 ± 18
CLA + CD15	278 ± 480	19 ± 23	128 ± 312	352 ± 735	29 ± 32
CLA + CD1a	52 ± 123	27 ± 66	17 ± 24	28 ± 29	84 ± 155
CLA + CD2	2470 ± 1932	845 ± 829	1771 ± 1296	2017 ± 1195	2023 ± 1321
CLA + CD207	207 ± 364	47 ± 77	171 ± 214	107 ± 119	169 ± 201
CLA + CD24	151 ± 207	37 ± 32	135 ± 269	289 ± 496	67 ± 42
CLA + CD28	1521 ± 1618	315 ± 478	773 ± 765	1171 ± 1171	1088 ± 1219
CLA + CD29	365 ± 306	124 ± 116	171 ± 100	281 ± 301	257 ± 325
CLA + CD3	2486 ± 2175	926 ± 821	1801 ± 1323	2484 ± 1764	2128 ± 1549
CLA + CD31	4 ± 5	3 ± 5	4 ± 5	37 ± 101	9 ± 16
CLA + CD4	2061 ± 1410	660 ± 851	1466 ± 1085	1906 ± 1449	1682 ± 1336
CLA + CD44	2439 ± 1231	1131 ± 765	2380 ± 1583	2869 ± 1700	2179 ± 823
CLA + CD45	2451 ± 2339	544 ± 565	1545 ± 1326	1986 ± 1777	1334 ± 894
CLA + CD45RA	1149 ± 822	335 ± 313	751 ± 568	899 ± 672	655 ± 355
CLA + CD45RO	1260 ± 1242	236 ± 434	1010 ± 1292	1211 ± 1376	987 ± 1374
CLA + CD52	1741 ± 1877	454 ± 651	1067 ± 1193	1537 ± 1693	1208 ± 1214
CLA + CD54	2274 ± 2471	475 ± 508	910 ± 729	1498 ± 1624	1143 ± 731
CLA + CD56	78 ± 37	33 ± 27	73 ± 61	64 ± 39	50 ± 28
CLA + CD58	108 ± 117	90 ± 138	71 ± 125	307 ± 638	376 ± 594
CLA + CD62E	5 ± 10	1 ± 2	9 ± 18	12 ± 35	1 ± 2
CLA + CD62P	6 ± 19	2 ± 2	2 ± 2	1 ± 1	1 ± 1
CLA + CD68	340 ± 288	156 ± 258	417 ± 371	486 ± 498	243 ± 242
CLA + CD7	1273 ± 951	444 ± 524	1177 ± 1058	1654 ± 1501	1116 ± 883
CLA + CD8a	1035 ± 452	677 ± 509	949 ± 595	1284 ± 553	1282 ± 759
CLA + CK14	6 ± 11	4 ± 11	10 ± 18	9 ± 12	6 ± 11
CLA + c-myc	41 ± 29	19 ± 28	30 ± 30	55 ± 65	23 ± 22
CLA + Collagen IV	221 ± 151	119 ± 102	238 ± 174	309 ± 239	234 ± 271
CLA + FXIIIA	130 ± 81	65 ± 52	190 ± 292	166 ± 121	155 ± 104
CLA + HLA-DR	2800 ± 1589	1113 ± 819	2204 ± 1598	2362 ± 1413	1891 ± 637
CLA + IL-22R	2 ± 2	1 ± 2	2 ± 2	5 ± 11	5 ± 10
CLA + IL-23R	18 ± 33	5 ± 6	11 ± 23	25 ± 41	18 ± 22
CLA + Ki67	8 ± 16	1 ± 3	13 ± 38	4 ± 8	12 ± 31
CLA + PI	2463 ± 1692	813 ± 811	1787 ± 1358	2150 ± 1576	1794 ± 832
CLA + Podoplanin	64 ± 67	45 ± 65	19 ± 19	74 ± 82	38 ± 35
CLA + SNA1	637 ± 580	223 ± 129	498 ± 512	379 ± 266	260 ± 74
CLA + STAT3	19 ± 30	7 ± 12	10 ± 12	18 ± 33	4 ± 8
CLA + TIA1	355 ± 298	122 ± 193	226 ± 249	431 ± 427	320 ± 236
CLA + Vimentin	1507 ± 932	601 ± 580	1373 ± 1167	1422 ± 897	1050 ± 671

Tabelle 448: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	257 ± 380	184 ± 367	211 ± 351	148 ± 349	133 ± 351
c-myc + BCL2	177 ± 183	114 ± 144	122 ± 96	77 ± 83	98 ± 97
c-myc + CCR6	110 ± 180	98 ± 210	84 ± 95	83 ± 164	31 ± 47
c-myc + CD11a	135 ± 131	47 ± 107	66 ± 108	162 ± 214	58 ± 105
c-myc + CD11b	204 ± 232	139 ± 244	133 ± 246	180 ± 240	204 ± 240
c-myc + CD120a	5 ± 6	1 ± 2	3 ± 5	22 ± 44	7 ± 10
c-myc + CD120b	25 ± 32	10 ± 18	9 ± 13	10 ± 15	13 ± 20
c-myc + CD138	88 ± 146	138 ± 351	96 ± 106	38 ± 67	26 ± 57
c-myc + CD15	39 ± 56	31 ± 79	11 ± 14	61 ± 95	7 ± 13
c-myc + CD1a	2 ± 3	4 ± 9	2 ± 4	1 ± 2	3 ± 6
c-myc + CD2	103 ± 112	40 ± 90	54 ± 92	64 ± 97	57 ± 91
c-myc + CD207	7 ± 15	4 ± 9	3 ± 4	3 ± 5	3 ± 8
c-myc + CD24	24 ± 37	11 ± 19	11 ± 15	28 ± 47	8 ± 11
c-myc + CD28	84 ± 93	22 ± 56	34 ± 59	52 ± 70	33 ± 57
c-myc + CD29	676 ± 726	401 ± 620	589 ± 675	357 ± 621	317 ± 623
c-myc + CD3	131 ± 149	58 ± 91	107 ± 143	135 ± 191	84 ± 101
c-myc + CD31	139 ± 242	114 ± 242	128 ± 234	79 ± 231	77 ± 232
c-myc + CD4	209 ± 284	100 ± 267	138 ± 261	163 ± 287	123 ± 264
c-myc + CD44	615 ± 497	493 ± 684	396 ± 347	482 ± 433	414 ± 342
c-myc + CD45	136 ± 141	23 ± 48	37 ± 51	112 ± 166	27 ± 47
c-myc + CD45RA	146 ± 173	136 ± 231	114 ± 108	105 ± 110	68 ± 88
c-myc + CD45RO	118 ± 176	78 ± 151	103 ± 118	92 ± 133	56 ± 69
c-myc + CD52	99 ± 133	63 ± 134	57 ± 102	104 ± 152	35 ± 95
c-myc + CD54	591 ± 782	278 ± 715	391 ± 723	336 ± 711	273 ± 717
c-myc + CD56	205 ± 294	215 ± 450	183 ± 173	150 ± 196	81 ± 100
c-myc + CD58	123 ± 193	105 ± 195	97 ± 188	145 ± 218	92 ± 189
c-myc + CD62E	7 ± 12	10 ± 17	14 ± 27	4 ± 12	4 ± 12
c-myc + CD62P	27 ± 54	27 ± 53	32 ± 53	22 ± 55	23 ± 54
c-myc + CD68	333 ± 300	321 ± 358	349 ± 318	241 ± 290	236 ± 271
c-myc + CD7	71 ± 80	21 ± 44	46 ± 56	60 ± 72	26 ± 42
c-myc + CD8a	43 ± 50	30 ± 52	37 ± 52	41 ± 61	38 ± 52
c-myc + CK14	121 ± 156	214 ± 273	165 ± 195	181 ± 226	162 ± 157
c-myc + CLA	41 ± 29	19 ± 28	30 ± 30	55 ± 65	23 ± 22
c-myc + Collagen IV	1593 ± 1614	1202 ± 1649	1650 ± 1867	1563 ± 1571	1331 ± 1657
c-myc + FXIIIA	279 ± 193	287 ± 458	299 ± 248	177 ± 214	160 ± 140
c-myc + HLA-DR	950 ± 752	617 ± 786	651 ± 696	556 ± 671	539 ± 658
c-myc + IL-22R	3 ± 6	3 ± 7	3 ± 6	4 ± 6	3 ± 6
c-myc + IL-23R	50 ± 61	60 ± 108	33 ± 28	36 ± 19	26 ± 23
c-myc + Ki67	19 ± 34	14 ± 31	14 ± 32	14 ± 31	11 ± 31
c-myc + PI	702 ± 521	469 ± 463	455 ± 373	363 ± 374	372 ± 409
c-myc + Podoplanin	117 ± 167	158 ± 300	80 ± 88	88 ± 121	45 ± 73
c-myc + SNA1	2105 ± 1539	1346 ± 1289	1757 ± 1459	1253 ± 963	1262 ± 1001
c-myc + STAT3	108 ± 181	199 ± 519	130 ± 142	65 ± 121	32 ± 58
c-myc + TIA1	63 ± 75	72 ± 123	50 ± 52	59 ± 58	31 ± 51
c-myc + Vimentin	872 ± 745	695 ± 957	652 ± 741	502 ± 697	534 ± 711

Tabelle 449: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	510 ± 682	298 ± 597	322 ± 593	375 ± 664	375 ± 624
Collagen IV + BCL2	97 ± 81	59 ± 69	149 ± 188	109 ± 131	103 ± 85
Collagen IV + CCR6	28 ± 38	19 ± 34	24 ± 32	89 ± 103	56 ± 119
Collagen IV + CD11a	788 ± 776	324 ± 462	714 ± 684	1024 ± 1201	636 ± 669
Collagen IV + CD11b	657 ± 630	576 ± 628	550 ± 636	1080 ± 798	1184 ± 1082
Collagen IV + CD120a	50 ± 97	7 ± 10	16 ± 22	52 ± 94	18 ± 15
Collagen IV + CD120b	210 ± 194	157 ± 137	171 ± 110	238 ± 188	284 ± 214
Collagen IV + CD138	18 ± 23	30 ± 55	20 ± 17	25 ± 30	19 ± 18
Collagen IV + CD15	121 ± 164	33 ± 37	44 ± 54	246 ± 387	48 ± 57
Collagen IV + CD1a	5 ± 9	14 ± 38	5 ± 13	2 ± 3	11 ± 19
Collagen IV + CD2	589 ± 442	308 ± 388	540 ± 439	726 ± 564	777 ± 805
Collagen IV + CD207	16 ± 28	17 ± 31	29 ± 47	19 ± 32	25 ± 36
Collagen IV + CD24	167 ± 139	152 ± 113	220 ± 129	383 ± 263	279 ± 307
Collagen IV + CD28	509 ± 370	180 ± 326	322 ± 328	622 ± 560	599 ± 609
Collagen IV + CD29	2201 ± 880	1352 ± 1033	1916 ± 824	2126 ± 1176	2193 ± 2047
Collagen IV + CD3	861 ± 630	629 ± 523	951 ± 601	1526 ± 1176	1213 ± 966
Collagen IV + CD31	354 ± 292	310 ± 318	313 ± 319	650 ± 716	424 ± 356
Collagen IV + CD4	1368 ± 1351	714 ± 976	1082 ± 902	1505 ± 1220	1405 ± 1096
Collagen IV + CD44	2846 ± 2040	2618 ± 1401	3528 ± 1429	4230 ± 2555	3628 ± 3147
Collagen IV + CD45	648 ± 743	193 ± 236	508 ± 475	832 ± 964	439 ± 334
Collagen IV + CD45RA	431 ± 471	233 ± 351	311 ± 352	369 ± 331	336 ± 394
Collagen IV + CD45RO	307 ± 364	79 ± 154	287 ± 332	415 ± 503	236 ± 267
Collagen IV + CD52	500 ± 462	259 ± 481	420 ± 525	761 ± 884	638 ± 671
Collagen IV + CD54	3049 ± 2321	1459 ± 1700	1883 ± 1586	2518 ± 2000	2293 ± 1963
Collagen IV + CD56	1035 ± 646	985 ± 520	1216 ± 493	1250 ± 652	1319 ± 1117
Collagen IV + CD58	317 ± 351	326 ± 473	203 ± 357	662 ± 1057	511 ± 594
Collagen IV + CD62E	9 ± 15	4 ± 14	13 ± 25	13 ± 22	6 ± 14
Collagen IV + CD62P	25 ± 57	24 ± 57	27 ± 57	33 ± 60	23 ± 57
Collagen IV + CD68	553 ± 526	633 ± 571	717 ± 507	613 ± 492	614 ± 531
Collagen IV + CD7	370 ± 356	198 ± 227	475 ± 431	671 ± 591	424 ± 437
Collagen IV + CD8a	282 ± 250	235 ± 241	307 ± 230	423 ± 288	384 ± 322
Collagen IV + CK14	114 ± 251	206 ± 271	142 ± 248	200 ± 274	179 ± 257
Collagen IV + CLA	221 ± 151	119 ± 102	238 ± 174	309 ± 239	234 ± 271
Collagen IV + c-myc	1593 ± 1614	1202 ± 1649	1650 ± 1867	1563 ± 1571	1331 ± 1657
Collagen IV + FXIIIA	244 ± 292	310 ± 274	458 ± 508	448 ± 360	642 ± 711
Collagen IV + HLA-DR	4006 ± 1901	2861 ± 1596	3777 ± 1355	4547 ± 3293	3969 ± 3161
Collagen IV + IL-22R	2 ± 2	1 ± 2	1 ± 2	6 ± 12	6 ± 7
Collagen IV + IL-23R	16 ± 29	18 ± 39	8 ± 10	20 ± 35	10 ± 9
Collagen IV + Ki67	11 ± 22	11 ± 21	12 ± 20	19 ± 29	16 ± 23
Collagen IV + PI	2228 ± 1210	1534 ± 1102	2285 ± 1162	2919 ± 1779	2819 ± 2486
Collagen IV + Podoplanin	164 ± 265	154 ± 186	119 ± 102	264 ± 392	102 ± 108
Collagen IV + SNA1	5512 ± 3199	3407 ± 1468	5080 ± 2577	5004 ± 2484	4033 ± 1945
Collagen IV + STAT3	13 ± 15	32 ± 75	19 ± 24	9 ± 12	8 ± 12
Collagen IV + TIA1	100 ± 125	71 ± 118	88 ± 115	176 ± 229	89 ± 118
Collagen IV + Vimentin	1924 ± 1387	1512 ± 1354	2195 ± 1338	2328 ± 1514	2049 ± 2198

Tabelle 450: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	189 ± 288	93 ± 154	94 ± 119	62 ± 90	69 ± 94
FXIIIA + BCL2	223 ± 257	103 ± 116	454 ± 713	240 ± 315	291 ± 308
FXIIIA + CCR6	286 ± 296	176 ± 181	216 ± 180	413 ± 406	238 ± 149
FXIIIA + CD11a	250 ± 180	123 ± 84	352 ± 410	618 ± 894	386 ± 338
FXIIIA + CD11b	1957 ± 1713	1836 ± 1788	1841 ± 1739	2609 ± 2057	3555 ± 1874
FXIIIA + CD120a	8 ± 9	6 ± 10	9 ± 9	14 ± 17	19 ± 26
FXIIIA + CD120b	29 ± 37	23 ± 25	27 ± 25	26 ± 17	127 ± 229
FXIIIA + CD138	95 ± 152	104 ± 217	120 ± 146	51 ± 85	44 ± 79
FXIIIA + CD15	112 ± 158	37 ± 71	130 ± 341	125 ± 202	25 ± 27
FXIIIA + CD1a	1 ± 2	7 ± 23	1 ± 4	1 ± 1	2 ± 5
FXIIIA + CD2	304 ± 221	191 ± 178	391 ± 378	623 ± 795	742 ± 829
FXIIIA + CD207	11 ± 22	5 ± 14	6 ± 12	8 ± 16	9 ± 15
FXIIIA + CD24	40 ± 48	28 ± 33	138 ± 290	77 ± 118	41 ± 36
FXIIIA + CD28	151 ± 105	54 ± 80	145 ± 162	330 ± 500	436 ± 613
FXIIIA + CD29	379 ± 296	303 ± 268	372 ± 325	379 ± 333	459 ± 516
FXIIIA + CD3	285 ± 179	218 ± 158	415 ± 441	714 ± 823	853 ± 1154
FXIIIA + CD31	10 ± 12	15 ± 11	38 ± 79	35 ± 52	39 ± 77
FXIIIA + CD4	650 ± 726	467 ± 653	608 ± 615	1042 ± 1068	1179 ± 1032
FXIIIA + CD44	2003 ± 1564	1881 ± 1063	2976 ± 1819	2709 ± 1730	3028 ± 1618
FXIIIA + CD45	341 ± 301	117 ± 102	346 ± 452	598 ± 849	403 ± 434
FXIIIA + CD45RA	261 ± 210	267 ± 182	303 ± 228	314 ± 149	291 ± 122
FXIIIA + CD45RO	242 ± 229	136 ± 150	425 ± 636	470 ± 555	487 ± 744
FXIIIA + CD52	231 ± 180	156 ± 240	278 ± 405	513 ± 684	459 ± 680
FXIIIA + CD54	952 ± 803	468 ± 555	604 ± 522	919 ± 834	1067 ± 797
FXIIIA + CD56	485 ± 405	548 ± 303	529 ± 315	524 ± 346	495 ± 362
FXIIIA + CD58	53 ± 67	66 ± 82	50 ± 54	200 ± 483	197 ± 296
FXIIIA + CD62E	4 ± 11	5 ± 14	17 ± 35	2 ± 5	10 ± 21
FXIIIA + CD62P	15 ± 20	12 ± 16	16 ± 21	10 ± 17	17 ± 21
FXIIIA + CD68	1369 ± 962	866 ± 831	1726 ± 1303	1596 ± 692	1629 ± 852
FXIIIA + CD7	111 ± 102	43 ± 48	173 ± 172	353 ± 416	245 ± 245
FXIIIA + CD8a	86 ± 54	86 ± 75	115 ± 121	149 ± 126	209 ± 221
FXIIIA + CK14	32 ± 63	16 ± 29	34 ± 48	15 ± 29	15 ± 29
FXIIIA + CLA	130 ± 81	65 ± 52	190 ± 292	166 ± 121	155 ± 104
FXIIIA + c-myc	279 ± 193	287 ± 458	299 ± 248	177 ± 214	160 ± 140
FXIIIA + Collagen IV	244 ± 292	310 ± 274	458 ± 508	448 ± 360	642 ± 711
FXIIIA + HLA-DR	4373 ± 2667	4103 ± 2666	5462 ± 3008	4773 ± 3202	5189 ± 2993
FXIIIA + IL-22R	1 ± 2	1 ± 2	1 ± 2	5 ± 11	8 ± 13
FXIIIA + IL-23R	113 ± 91	169 ± 357	127 ± 163	157 ± 109	146 ± 117
FXIIIA + Ki67	13 ± 31	1 ± 2	5 ± 10	16 ± 19	16 ± 37
FXIIIA + PI	1927 ± 967	1392 ± 980	2370 ± 1455	2198 ± 1244	2664 ± 1235
FXIIIA + Podoplanin	203 ± 225	320 ± 304	142 ± 117	179 ± 155	157 ± 201
FXIIIA + SNA1	1653 ± 1296	2138 ± 1248	2321 ± 1146	1696 ± 1275	1841 ± 1312
FXIIIA + STAT3	151 ± 223	173 ± 304	218 ± 251	118 ± 149	59 ± 107
FXIIIA + TIA1	124 ± 106	84 ± 104	171 ± 234	146 ± 134	90 ± 35
FXIIIA + Vimentin	2663 ± 1142	2357 ± 989	3590 ± 1837	3424 ± 1544	3195 ± 1169

Tabelle 451: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	388 ± 382	190 ± 155	169 ± 145	223 ± 280	183 ± 189
HLA-DR + BCL2	1158 ± 1141	426 ± 512	1293 ± 2264	863 ± 933	1004 ± 1309
HLA-DR + CCR6	1022 ± 998	436 ± 443	623 ± 520	1356 ± 1230	901 ± 801
HLA-DR + CD11a	9603 ± 6085	3203 ± 3372	6691 ± 5535	8461 ± 7513	5920 ± 4134
HLA-DR + CD11b	6955 ± 3523	5609 ± 4414	5464 ± 4496	8011 ± 5438	9584 ± 2524
HLA-DR + CD120a	224 ± 485	36 ± 46	68 ± 77	217 ± 384	138 ± 244
HLA-DR + CD120b	2276 ± 1741	1115 ± 668	1135 ± 636	1656 ± 1219	2728 ± 3211
HLA-DR + CD138	143 ± 209	112 ± 172	120 ± 112	82 ± 107	73 ± 104
HLA-DR + CD15	686 ± 661	213 ± 191	325 ± 442	631 ± 697	220 ± 195
HLA-DR + CD1a	100 ± 148	438 ± 1376	40 ± 50	39 ± 36	176 ± 297
HLA-DR + CD2	6836 ± 4607	2822 ± 3282	4841 ± 3615	6003 ± 3625	6085 ± 4771
HLA-DR + CD207	312 ± 341	400 ± 908	338 ± 440	231 ± 235	373 ± 374
HLA-DR + CD24	1607 ± 1278	1100 ± 625	1426 ± 690	1925 ± 1480	1623 ± 1176
HLA-DR + CD28	5557 ± 4343	1610 ± 2370	2882 ± 2897	5030 ± 4203	4706 ± 5078
HLA-DR + CD29	3809 ± 1692	1894 ± 1333	2409 ± 950	3051 ± 2048	2629 ± 2014
HLA-DR + CD3	8941 ± 6181	4373 ± 3461	6781 ± 4908	9755 ± 6553	8522 ± 7257
HLA-DR + CD31	224 ± 128	205 ± 151	163 ± 139	324 ± 314	257 ± 209
HLA-DR + CD4	8856 ± 4213	4180 ± 4370	6527 ± 3979	8587 ± 4711	8351 ± 5635
HLA-DR + CD44	21840 ± 4588	15377 ± 5975	20979 ± 7879	23794 ± 11753	20075 ± 4551
HLA-DR + CD45	8961 ± 6644	2305 ± 2491	5313 ± 4595	7311 ± 6200	4877 ± 3478
HLA-DR + CD45RA	3720 ± 1819	1527 ± 1363	2275 ± 1390	2738 ± 1252	2479 ± 1291
HLA-DR + CD45RO	3915 ± 2738	1049 ± 1651	3076 ± 3662	4192 ± 4252	3735 ± 5268
HLA-DR + CD52	5897 ± 5623	1929 ± 2950	3699 ± 4332	5661 ± 6291	4675 ± 5072
HLA-DR + CD54	14444 ± 10686	5295 ± 5808	6265 ± 4740	8766 ± 6495	8486 ± 5410
HLA-DR + CD56	1229 ± 506	922 ± 306	1076 ± 425	1128 ± 729	997 ± 344
HLA-DR + CD58	849 ± 911	924 ± 1721	414 ± 599	1781 ± 3233	1904 ± 2791
HLA-DR + CD62E	19 ± 21	8 ± 14	23 ± 31	13 ± 18	8 ± 11
HLA-DR + CD62P	102 ± 200	51 ± 56	50 ± 48	46 ± 44	38 ± 46
HLA-DR + CD68	3094 ± 1858	1883 ± 2004	3403 ± 2279	2977 ± 1570	2673 ± 1934
HLA-DR + CD7	3808 ± 2094	1500 ± 1931	3463 ± 2708	5388 ± 4824	3621 ± 3157
HLA-DR + CD8a	2514 ± 1163	1600 ± 1389	2208 ± 1436	3023 ± 1710	2865 ± 1984
HLA-DR + CK14	122 ± 191	121 ± 190	144 ± 198	129 ± 191	128 ± 192
HLA-DR + CLA	2800 ± 1589	1113 ± 819	2204 ± 1598	2362 ± 1413	1891 ± 637
HLA-DR + c-myc	950 ± 752	617 ± 786	651 ± 696	556 ± 671	539 ± 658
HLA-DR + Collagen IV	4006 ± 1901	2861 ± 1596	3777 ± 1355	4547 ± 3293	3969 ± 3161
HLA-DR + FXIIIA	4373 ± 2667	4103 ± 2666	5462 ± 3008	4773 ± 3202	5189 ± 2993
HLA-DR + IL-22R	7 ± 11	5 ± 9	5 ± 9	19 ± 34	20 ± 30
HLA-DR + IL-23R	242 ± 394	272 ± 686	140 ± 178	268 ± 263	149 ± 104
HLA-DR + Ki67	55 ± 74	22 ± 40	74 ± 184	30 ± 36	54 ± 93
HLA-DR + PI	14570 ± 5410	7198 ± 4751	11032 ± 5640	12855 ± 7674	11407 ± 4226
HLA-DR + Podoplanin	653 ± 642	665 ± 652	253 ± 169	541 ± 455	410 ± 392
HLA-DR + SNA1	8377 ± 5158	5914 ± 3743	6288 ± 1887	4988 ± 2384	4832 ± 1755
HLA-DR + STAT3	191 ± 304	163 ± 241	183 ± 202	102 ± 137	67 ± 123
HLA-DR + TIA1	1014 ± 721	441 ± 609	715 ± 695	876 ± 617	789 ± 574
HLA-DR + Vimentin	12252 ± 4537	7424 ± 3827	10993 ± 5399	10446 ± 4672	8527 ± 3196

Tabelle 452: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + BCL2	1 ± 2	1 ± 2	1 ± 2	7 ± 21	12 ± 28
IL-22R + CCR6	1 ± 1	1 ± 1	1 ± 1	4 ± 9	5 ± 10
IL-22R + CD11a	5 ± 9	3 ± 5	3 ± 4	33 ± 85	20 ± 41
IL-22R + CD11b	3 ± 7	2 ± 7	2 ± 7	4 ± 7	13 ± 25
IL-22R + CD120a	0 ± 0	0 ± 1	1 ± 2	1 ± 2	5 ± 14
IL-22R + CD120b	1 ± 2	1 ± 2	1 ± 2	4 ± 8	16 ± 39
IL-22R + CD138	1 ± 5	1 ± 5	2 ± 5	1 ± 5	2 ± 5
IL-22R + CD15	0 ± 1	0 ± 0	0 ± 0	2 ± 4	0 ± 0
IL-22R + CD1a	0 ± 1	1 ± 3	1 ± 2	0 ± 1	1 ± 3
IL-22R + CD2	4 ± 6	3 ± 4	2 ± 4	25 ± 66	23 ± 49
IL-22R + CD207	0 ± 0	1 ± 3	1 ± 2	0 ± 0	1 ± 4
IL-22R + CD24	0 ± 1	0 ± 0	0 ± 1	1 ± 2	0 ± 1
IL-22R + CD28	2 ± 4	2 ± 4	2 ± 3	22 ± 54	21 ± 48
IL-22R + CD29	1 ± 1	1 ± 1	1 ± 1	5 ± 10	3 ± 6
IL-22R + CD3	5 ± 9	3 ± 5	3 ± 4	36 ± 91	28 ± 60
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	3 ± 9	2 ± 6
IL-22R + CD4	3 ± 5	3 ± 6	3 ± 5	35 ± 92	26 ± 57
IL-22R + CD44	7 ± 9	5 ± 9	5 ± 9	30 ± 59	24 ± 35
IL-22R + CD45	4 ± 7	2 ± 4	3 ± 3	35 ± 86	21 ± 45
IL-22R + CD45RA	2 ± 4	1 ± 4	2 ± 4	10 ± 23	7 ± 14
IL-22R + CD45RO	2 ± 3	1 ± 2	1 ± 2	13 ± 30	20 ± 45
IL-22R + CD52	4 ± 7	3 ± 4	2 ± 4	25 ± 59	22 ± 51
IL-22R + CD54	5 ± 9	4 ± 8	4 ± 7	36 ± 89	22 ± 44
IL-22R + CD56	0 ± 1	0 ± 0	0 ± 0	1 ± 2	1 ± 1
IL-22R + CD58	2 ± 3	2 ± 4	1 ± 3	22 ± 57	17 ± 39
IL-22R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	1 ± 3	1 ± 4	2 ± 4	5 ± 10	6 ± 8
IL-22R + CD7	2 ± 4	1 ± 3	2 ± 3	24 ± 61	18 ± 41
IL-22R + CD8a	4 ± 8	1 ± 3	2 ± 3	15 ± 37	17 ± 37
IL-22R + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + CLA	2 ± 2	1 ± 2	2 ± 2	5 ± 11	5 ± 10
IL-22R + c-myc	3 ± 6	3 ± 7	3 ± 6	4 ± 6	3 ± 6
IL-22R + Collagen IV	2 ± 2	1 ± 2	1 ± 2	6 ± 12	6 ± 7
IL-22R + FXIIIA	1 ± 2	1 ± 2	1 ± 2	5 ± 11	8 ± 13
IL-22R + HLA-DR	7 ± 11	5 ± 9	5 ± 9	19 ± 34	20 ± 30
IL-22R + IL-23R	2 ± 5	2 ± 5	2 ± 5	3 ± 6	2 ± 5
IL-22R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + PI	5 ± 10	4 ± 9	4 ± 8	28 ± 77	27 ± 50
IL-22R + Podoplanin	0 ± 0	0 ± 0	0 ± 0	3 ± 7	2 ± 6
IL-22R + SNA1	3 ± 4	3 ± 5	2 ± 3	3 ± 5	5 ± 7
IL-22R + STAT3	1 ± 4	1 ± 4	2 ± 4	1 ± 4	1 ± 4
IL-22R + TIA1	1 ± 3	1 ± 1	1 ± 1	4 ± 7	4 ± 8
IL-22R + Vimentin	5 ± 8	5 ± 9	5 ± 8	31 ± 75	20 ± 32

Tabelle 453: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	7 ± 11	9 ± 15	9 ± 15	3 ± 6	5 ± 8
IL-23R + BCL2	37 ± 30	48 ± 109	55 ± 127	39 ± 37	42 ± 40
IL-23R + CCR6	11 ± 14	11 ± 14	16 ± 22	29 ± 40	18 ± 20
IL-23R + CD11a	37 ± 92	9 ± 21	11 ± 26	96 ± 206	27 ± 51
IL-23R + CD11b	110 ± 79	83 ± 107	85 ± 93	218 ± 214	169 ± 161
IL-23R + CD120a	45 ± 136	5 ± 17	5 ± 14	68 ± 152	7 ± 16
IL-23R + CD120b	12 ± 35	1 ± 3	1 ± 2	10 ± 27	18 ± 42
IL-23R + CD138	15 ± 24	16 ± 26	22 ± 29	12 ± 16	10 ± 16
IL-23R + CD15	22 ± 59	3 ± 7	2 ± 4	56 ± 144	1 ± 2
IL-23R + CD1a	1 ± 3	17 ± 54	0 ± 1	1 ± 2	2 ± 5
IL-23R + CD2	20 ± 39	6 ± 12	9 ± 22	57 ± 114	48 ± 86
IL-23R + CD207	1 ± 2	4 ± 14	0 ± 1	3 ± 9	3 ± 9
IL-23R + CD24	7 ± 18	0 ± 0	3 ± 6	54 ± 141	1 ± 2
IL-23R + CD28	38 ± 96	5 ± 10	7 ± 12	47 ± 101	36 ± 68
IL-23R + CD29	45 ± 40	33 ± 43	32 ± 42	54 ± 41	45 ± 47
IL-23R + CD3	35 ± 86	16 ± 40	11 ± 28	92 ± 195	54 ± 107
IL-23R + CD31	7 ± 8	9 ± 16	4 ± 7	7 ± 12	6 ± 8
IL-23R + CD4	90 ± 204	22 ± 43	26 ± 28	118 ± 222	74 ± 118
IL-23R + CD44	99 ± 138	153 ± 399	72 ± 131	241 ± 341	104 ± 97
IL-23R + CD45	36 ± 67	8 ± 14	14 ± 25	116 ± 244	35 ± 56
IL-23R + CD45RA	15 ± 22	17 ± 31	15 ± 20	20 ± 22	16 ± 16
IL-23R + CD45RO	44 ± 83	18 ± 27	28 ± 46	124 ± 247	72 ± 103
IL-23R + CD52	24 ± 62	8 ± 14	11 ± 21	44 ± 90	35 ± 76
IL-23R + CD54	111 ± 283	92 ± 270	28 ± 41	147 ± 283	60 ± 88
IL-23R + CD56	17 ± 23	33 ± 71	19 ± 24	27 ± 21	18 ± 19
IL-23R + CD58	16 ± 25	33 ± 76	13 ± 21	60 ± 111	31 ± 51
IL-23R + CD62E	6 ± 9	5 ± 12	5 ± 14	2 ± 3	2 ± 3
IL-23R + CD62P	9 ± 11	7 ± 11	7 ± 13	4 ± 7	5 ± 7
IL-23R + CD68	94 ± 131	82 ± 138	69 ± 95	142 ± 115	105 ± 112
IL-23R + CD7	8 ± 12	2 ± 3	6 ± 16	43 ± 82	22 ± 42
IL-23R + CD8a	7 ± 19	4 ± 8	2 ± 6	10 ± 19	13 ± 28
IL-23R + CK14	10 ± 25	12 ± 25	13 ± 26	9 ± 25	9 ± 25
IL-23R + CLA	18 ± 33	5 ± 6	11 ± 23	25 ± 41	18 ± 22
IL-23R + c-myc	50 ± 61	60 ± 108	33 ± 28	36 ± 19	26 ± 23
IL-23R + Collagen IV	16 ± 29	18 ± 39	8 ± 10	20 ± 35	10 ± 9
IL-23R + FXIIIA	113 ± 91	169 ± 357	127 ± 163	157 ± 109	146 ± 117
IL-23R + HLA-DR	242 ± 394	272 ± 686	140 ± 178	268 ± 263	149 ± 104
IL-23R + IL-22R	2 ± 5	2 ± 5	2 ± 5	3 ± 6	2 ± 5
IL-23R + Ki67	1 ± 4	0 ± 1	1 ± 3	2 ± 3	0 ± 1
IL-23R + PI	141 ± 174	102 ± 192	95 ± 156	130 ± 98	104 ± 95
IL-23R + Podoplanin	6 ± 9	16 ± 28	10 ± 12	15 ± 16	9 ± 15
IL-23R + SNA1	134 ± 193	214 ± 565	81 ± 78	113 ± 78	70 ± 54
IL-23R + STAT3	18 ± 24	20 ± 35	17 ± 22	21 ± 44	8 ± 10
IL-23R + TIA1	18 ± 49	4 ± 7	7 ± 10	29 ± 56	5 ± 6
IL-23R + Vimentin	203 ± 278	229 ± 548	129 ± 206	281 ± 250	149 ± 109

Tabelle 454: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	1 ± 3	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Ki67 + BCL2	13 ± 23	4 ± 8	67 ± 209	8 ± 12	10 ± 17
Ki67 + CCR6	2 ± 4	0 ± 0	0 ± 1	11 ± 16	1 ± 1
Ki67 + CD11a	23 ± 47	6 ± 11	46 ± 137	9 ± 12	16 ± 22
Ki67 + CD11b	7 ± 9	5 ± 8	9 ± 17	11 ± 13	31 ± 64
Ki67 + CD120a	0 ± 0	0 ± 0	2 ± 7	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	1 ± 5	1 ± 4	0 ± 0	2 ± 6
Ki67 + CD138	0 ± 1	1 ± 2	0 ± 1	2 ± 3	1 ± 3
Ki67 + CD15	0 ± 0	1 ± 2	0 ± 0	1 ± 3	1 ± 3
Ki67 + CD1a	3 ± 9	2 ± 5	3 ± 10	0 ± 0	0 ± 0
Ki67 + CD2	12 ± 17	5 ± 8	24 ± 69	8 ± 6	18 ± 32
Ki67 + CD207	3 ± 10	2 ± 5	7 ± 16	2 ± 5	0 ± 1
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 3
Ki67 + CD28	6 ± 13	2 ± 6	16 ± 51	2 ± 4	5 ± 9
Ki67 + CD29	10 ± 19	4 ± 8	7 ± 12	6 ± 11	11 ± 23
Ki67 + CD3	12 ± 24	4 ± 10	35 ± 111	7 ± 8	15 ± 21
Ki67 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 4
Ki67 + CD4	17 ± 28	4 ± 8	21 ± 60	8 ± 9	22 ± 34
Ki67 + CD44	33 ± 57	10 ± 16	44 ± 125	12 ± 13	42 ± 91
Ki67 + CD45	19 ± 38	2 ± 5	22 ± 65	5 ± 8	12 ± 23
Ki67 + CD45RA	5 ± 10	5 ± 11	12 ± 23	6 ± 11	7 ± 14
Ki67 + CD45RO	12 ± 25	1 ± 2	23 ± 70	9 ± 13	5 ± 10
Ki67 + CD52	7 ± 15	2 ± 4	26 ± 83	7 ± 13	6 ± 11
Ki67 + CD54	18 ± 22	8 ± 18	14 ± 28	12 ± 18	31 ± 56
Ki67 + CD56	8 ± 15	1 ± 3	5 ± 12	9 ± 12	2 ± 2
Ki67 + CD58	6 ± 10	5 ± 11	3 ± 9	4 ± 9	5 ± 10
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 3
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 3
Ki67 + CD68	13 ± 20	9 ± 16	10 ± 19	18 ± 21	7 ± 16
Ki67 + CD7	4 ± 4	2 ± 3	18 ± 47	5 ± 7	7 ± 8
Ki67 + CD8a	1 ± 2	1 ± 1	5 ± 14	1 ± 1	6 ± 13
Ki67 + CK14	1 ± 2	2 ± 4	2 ± 6	2 ± 4	1 ± 2
Ki67 + CLA	8 ± 16	1 ± 3	13 ± 38	4 ± 8	12 ± 31
Ki67 + c-myc	19 ± 34	14 ± 31	14 ± 32	14 ± 31	11 ± 31
Ki67 + Collagen IV	11 ± 22	11 ± 21	12 ± 20	19 ± 29	16 ± 23
Ki67 + FXIIIA	13 ± 31	1 ± 2	5 ± 10	16 ± 19	16 ± 37
Ki67 + HLA-DR	55 ± 74	22 ± 40	74 ± 184	30 ± 36	54 ± 93
Ki67 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + IL-23R	1 ± 4	0 ± 1	1 ± 3	2 ± 3	0 ± 1
Ki67 + PI	83 ± 94	33 ± 57	127 ± 295	54 ± 57	86 ± 116
Ki67 + Podoplanin	2 ± 4	0 ± 0	0 ± 0	2 ± 4	0 ± 1
Ki67 + SNA1	23 ± 32	10 ± 17	12 ± 19	19 ± 34	10 ± 16
Ki67 + STAT3	1 ± 1	0 ± 0	1 ± 2	3 ± 7	0 ± 1
Ki67 + TIA1	1 ± 1	1 ± 1	2 ± 4	2 ± 3	1 ± 2
Ki67 + Vimentin	50 ± 60	26 ± 39	58 ± 116	36 ± 37	44 ± 60

Tabelle 455: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	334 ± 385	145 ± 245	145 ± 245	208 ± 320	184 ± 271
PI + BCL2	1753 ± 1937	524 ± 577	2226 ± 4004	1238 ± 1555	1864 ± 2925
PI + CCR6	728 ± 809	260 ± 396	408 ± 424	1088 ± 1319	826 ± 1001
PI + CD11a	9785 ± 7490	2957 ± 4349	6852 ± 6296	9125 ± 9975	7063 ± 6972
PI + CD11b	3877 ± 2298	2695 ± 2800	2816 ± 2812	3967 ± 3088	5821 ± 2777
PI + CD120a	34 ± 59	7 ± 11	17 ± 21	36 ± 60	49 ± 96
PI + CD120b	1847 ± 1921	579 ± 421	774 ± 656	924 ± 676	2877 ± 4797
PI + CD138	79 ± 128	41 ± 71	55 ± 67	46 ± 51	42 ± 45
PI + CD15	445 ± 484	81 ± 69	171 ± 266	296 ± 492	142 ± 159
PI + CD1a	52 ± 62	180 ± 530	24 ± 33	35 ± 34	128 ± 229
PI + CD2	8733 ± 7393	2982 ± 4542	5946 ± 5199	7293 ± 6540	8470 ± 9431
PI + CD207	254 ± 310	220 ± 425	240 ± 282	214 ± 242	334 ± 393
PI + CD24	1095 ± 1340	562 ± 341	780 ± 418	1030 ± 724	1014 ± 851
PI + CD28	6504 ± 6130	1727 ± 3132	3246 ± 3672	5356 ± 5628	6302 ± 8518
PI + CD29	2822 ± 1720	1216 ± 882	1617 ± 616	2249 ± 1662	2024 ± 1730
PI + CD3	10283 ± 8681	3996 ± 4899	7595 ± 6628	10446 ± 9348	10235 ± 11179
PI + CD31	261 ± 166	200 ± 178	190 ± 180	368 ± 355	298 ± 248
PI + CD4	8627 ± 5397	3565 ± 5308	6137 ± 5187	8854 ± 8680	9307 ± 9919
PI + CD44	11606 ± 5346	6319 ± 3485	11011 ± 5968	13237 ± 7635	10900 ± 3859
PI + CD45	9217 ± 8551	2137 ± 3105	5485 ± 5046	7835 ± 9082	6000 ± 6393
PI + CD45RA	3020 ± 1733	1109 ± 1389	1981 ± 1562	2456 ± 1945	2256 ± 1961
PI + CD45RO	4742 ± 3894	1163 ± 2386	3775 ± 4720	4671 ± 5445	5589 ± 9318
PI + CD52	6490 ± 6644	1900 ± 3612	3991 ± 4961	6037 ± 7777	5991 ± 8133
PI + CD54	10509 ± 9348	3076 ± 3761	4060 ± 3620	6965 ± 6954	6434 ± 4848
PI + CD56	662 ± 451	354 ± 148	569 ± 304	610 ± 340	597 ± 279
PI + CD58	634 ± 763	525 ± 837	317 ± 604	1849 ± 4689	1994 ± 3483
PI + CD62E	27 ± 30	10 ± 23	55 ± 87	41 ± 71	16 ± 27
PI + CD62P	85 ± 200	26 ± 42	34 ± 41	25 ± 41	26 ± 41
PI + CD68	1816 ± 1365	1223 ± 1397	1919 ± 1363	1865 ± 1554	1785 ± 1464
PI + CD7	4116 ± 2740	1551 ± 2498	3784 ± 3218	5896 ± 6014	4655 ± 5337
PI + CD8a	2937 ± 1997	1557 ± 2206	2501 ± 2247	3393 ± 2566	3958 ± 4555
PI + CK14	76 ± 151	97 ± 153	93 ± 157	84 ± 148	83 ± 148
PI + CLA	2463 ± 1692	813 ± 811	1787 ± 1358	2150 ± 1576	1794 ± 832
PI + c-myc	702 ± 521	469 ± 463	455 ± 373	363 ± 374	372 ± 409
PI + Collagen IV	2228 ± 1210	1534 ± 1102	2285 ± 1162	2919 ± 1779	2819 ± 2486
PI + FXIIIA	1927 ± 967	1392 ± 980	2370 ± 1455	2198 ± 1244	2664 ± 1235
PI + HLA-DR	14570 ± 5410	7198 ± 4751	11032 ± 5640	12855 ± 7674	11407 ± 4226
PI + IL-22R	5 ± 10	4 ± 9	4 ± 8	28 ± 77	27 ± 50
PI + IL-23R	141 ± 174	102 ± 192	95 ± 156	130 ± 98	104 ± 95
PI + Ki67	83 ± 94	33 ± 57	127 ± 295	54 ± 57	86 ± 116
PI + Podoplanin	334 ± 445	291 ± 409	105 ± 107	307 ± 460	199 ± 191
PI + SNA1	3140 ± 2250	1651 ± 801	2286 ± 1151	2046 ± 901	1983 ± 936
PI + STAT3	95 ± 170	45 ± 75	53 ± 60	55 ± 87	17 ± 21
PI + TIA1	973 ± 805	426 ± 806	719 ± 846	831 ± 803	964 ± 952
PI + Vimentin	8444 ± 3790	4279 ± 2901	7828 ± 4240	7665 ± 3924	5980 ± 2782

Tabelle 456: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	118 ± 177	81 ± 152	60 ± 90	52 ± 97	35 ± 91
Podoplanin + BCL2	47 ± 79	20 ± 24	9 ± 8	54 ± 87	26 ± 40
Podoplanin + CCR6	213 ± 274	174 ± 231	121 ± 102	195 ± 170	91 ± 79
Podoplanin + CD11a	299 ± 503	145 ± 293	54 ± 132	379 ± 631	119 ± 173
Podoplanin + CD11b	174 ± 156	232 ± 370	81 ± 127	129 ± 116	174 ± 167
Podoplanin + CD120a	1 ± 1	1 ± 2	0 ± 1	10 ± 21	1 ± 2
Podoplanin + CD120b	57 ± 70	81 ± 194	11 ± 21	38 ± 52	62 ± 100
Podoplanin + CD138	80 ± 129	91 ± 186	65 ± 90	44 ± 89	34 ± 85
Podoplanin + CD15	26 ± 41	38 ± 70	8 ± 10	32 ± 45	7 ± 8
Podoplanin + CD1a	6 ± 10	8 ± 23	3 ± 6	2 ± 5	3 ± 6
Podoplanin + CD2	204 ± 321	84 ± 143	46 ± 112	247 ± 404	103 ± 149
Podoplanin + CD207	22 ± 37	11 ± 35	13 ± 35	11 ± 35	13 ± 35
Podoplanin + CD24	38 ± 60	88 ± 231	10 ± 11	32 ± 39	19 ± 29
Podoplanin + CD28	200 ± 292	54 ± 130	49 ± 131	259 ± 424	113 ± 182
Podoplanin + CD29	227 ± 188	267 ± 366	110 ± 84	152 ± 121	123 ± 141
Podoplanin + CD3	286 ± 427	226 ± 481	71 ± 168	480 ± 821	184 ± 256
Podoplanin + CD31	10 ± 11	6 ± 10	8 ± 8	41 ± 86	30 ± 69
Podoplanin + CD4	296 ± 513	116 ± 182	76 ± 179	440 ± 755	180 ± 237
Podoplanin + CD44	975 ± 944	1510 ± 1548	375 ± 282	800 ± 599	747 ± 840
Podoplanin + CD45	292 ± 471	103 ± 196	43 ± 91	350 ± 608	100 ± 143
Podoplanin + CD45RA	249 ± 320	241 ± 263	132 ± 131	227 ± 198	120 ± 140
Podoplanin + CD45RO	189 ± 245	105 ± 154	91 ± 108	201 ± 241	109 ± 137
Podoplanin + CD52	191 ± 224	82 ± 149	59 ± 139	306 ± 517	107 ± 172
Podoplanin + CD54	609 ± 645	321 ± 405	147 ± 170	580 ± 852	280 ± 262
Podoplanin + CD56	210 ± 235	331 ± 332	141 ± 134	169 ± 166	132 ± 156
Podoplanin + CD58	75 ± 92	63 ± 83	52 ± 60	258 ± 633	90 ± 150
Podoplanin + CD62E	0 ± 0	4 ± 14	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	12 ± 22	11 ± 17	10 ± 17	7 ± 17	9 ± 18
Podoplanin + CD68	201 ± 192	199 ± 124	117 ± 82	191 ± 126	175 ± 198
Podoplanin + CD7	151 ± 237	103 ± 243	33 ± 63	223 ± 367	74 ± 102
Podoplanin + CD8a	55 ± 86	75 ± 173	19 ± 45	57 ± 77	42 ± 66
Podoplanin + CK14	26 ± 59	13 ± 23	21 ± 32	10 ± 23	9 ± 23
Podoplanin + CLA	64 ± 67	45 ± 65	19 ± 19	74 ± 82	38 ± 35
Podoplanin + c-myc	117 ± 167	158 ± 300	80 ± 88	88 ± 121	45 ± 73
Podoplanin + Collagen IV	164 ± 265	154 ± 186	119 ± 102	264 ± 392	102 ± 108
Podoplanin + FXIIIA	203 ± 225	320 ± 304	142 ± 117	179 ± 155	157 ± 201
Podoplanin + HLA-DR	653 ± 642	665 ± 652	253 ± 169	541 ± 455	410 ± 392
Podoplanin + IL-22R	0 ± 0	0 ± 0	0 ± 0	3 ± 7	2 ± 6
Podoplanin + IL-23R	6 ± 9	16 ± 28	10 ± 12	15 ± 16	9 ± 15
Podoplanin + Ki67	2 ± 4	0 ± 0	0 ± 0	2 ± 4	0 ± 1
Podoplanin + PI	334 ± 445	291 ± 409	105 ± 107	307 ± 460	199 ± 191
Podoplanin + SNA1	335 ± 555	393 ± 296	194 ± 163	260 ± 300	171 ± 233
Podoplanin + STAT3	119 ± 199	155 ± 275	101 ± 122	78 ± 122	51 ± 106
Podoplanin + TIA1	88 ± 106	92 ± 127	57 ± 62	75 ± 71	42 ± 60
Podoplanin + Vimentin	600 ± 529	874 ± 708	333 ± 174	569 ± 480	487 ± 548

Tabelle 457: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	468 ± 465	222 ± 218	235 ± 218	240 ± 320	208 ± 243
SNA1 + BCL2	248 ± 168	167 ± 238	381 ± 597	165 ± 140	148 ± 113
SNA1 + CCR6	313 ± 284	169 ± 153	235 ± 187	284 ± 221	187 ± 97
SNA1 + CD11a	2216 ± 2556	610 ± 501	1375 ± 1353	1038 ± 792	750 ± 453
SNA1 + CD11b	2303 ± 1172	1795 ± 1038	1807 ± 1033	2341 ± 1008	2474 ± 1052
SNA1 + CD120a	89 ± 181	20 ± 31	29 ± 36	46 ± 65	45 ± 57
SNA1 + CD120b	685 ± 524	457 ± 287	500 ± 230	467 ± 322	665 ± 360
SNA1 + CD138	95 ± 140	105 ± 199	106 ± 105	45 ± 70	49 ± 69
SNA1 + CD15	461 ± 655	139 ± 144	248 ± 302	476 ± 650	143 ± 135
SNA1 + CD1a	27 ± 34	219 ± 702	18 ± 24	12 ± 13	34 ± 73
SNA1 + CD2	1362 ± 1287	572 ± 468	1121 ± 999	898 ± 597	811 ± 495
SNA1 + CD207	42 ± 41	169 ± 486	76 ± 107	36 ± 43	42 ± 74
SNA1 + CD24	637 ± 530	420 ± 242	645 ± 388	727 ± 468	616 ± 440
SNA1 + CD28	1089 ± 990	326 ± 430	669 ± 722	666 ± 448	646 ± 498
SNA1 + CD29	2561 ± 1100	1407 ± 728	1919 ± 571	1740 ± 721	1708 ± 985
SNA1 + CD3	1786 ± 1678	1040 ± 792	1523 ± 1227	1381 ± 820	1263 ± 764
SNA1 + CD31	357 ± 191	320 ± 219	294 ± 207	574 ± 585	367 ± 268
SNA1 + CD4	2477 ± 2715	978 ± 852	1599 ± 939	1502 ± 848	1411 ± 683
SNA1 + CD44	5998 ± 4521	5134 ± 3615	5318 ± 1966	4081 ± 1704	4063 ± 1162
SNA1 + CD45	2040 ± 2431	517 ± 431	1276 ± 1320	985 ± 751	674 ± 440
SNA1 + CD45RA	1004 ± 976	440 ± 210	518 ± 291	475 ± 175	497 ± 196
SNA1 + CD45RO	1270 ± 1529	292 ± 295	992 ± 1359	688 ± 603	503 ± 552
SNA1 + CD52	974 ± 728	512 ± 616	826 ± 999	700 ± 549	599 ± 546
SNA1 + CD54	4543 ± 4264	1847 ± 2067	2129 ± 1248	2030 ± 1394	1979 ± 1155
SNA1 + CD56	661 ± 485	626 ± 311	644 ± 216	571 ± 232	591 ± 279
SNA1 + CD58	367 ± 289	508 ± 1073	188 ± 218	440 ± 680	440 ± 434
SNA1 + CD62E	24 ± 31	15 ± 22	44 ± 64	15 ± 28	16 ± 24
SNA1 + CD62P	94 ± 171	59 ± 68	76 ± 78	50 ± 48	45 ± 46
SNA1 + CD68	1550 ± 915	1179 ± 714	1683 ± 808	1271 ± 525	1177 ± 630
SNA1 + CD7	965 ± 1056	289 ± 275	889 ± 835	701 ± 498	515 ± 325
SNA1 + CD8a	532 ± 429	323 ± 142	412 ± 262	386 ± 150	357 ± 124
SNA1 + CK14	185 ± 336	314 ± 403	262 ± 370	250 ± 349	233 ± 328
SNA1 + CLA	637 ± 580	223 ± 129	498 ± 512	379 ± 266	260 ± 74
SNA1 + c-myc	2105 ± 1539	1346 ± 1289	1757 ± 1459	1253 ± 963	1262 ± 1001
SNA1 + Collagen IV	5512 ± 3199	3407 ± 1468	5080 ± 2577	5004 ± 2484	4033 ± 1945
SNA1 + FXIIIA	1653 ± 1296	2138 ± 1248	2321 ± 1146	1696 ± 1275	1841 ± 1312
SNA1 + HLA-DR	8377 ± 5158	5914 ± 3743	6288 ± 1887	4988 ± 2384	4832 ± 1755
SNA1 + IL-22R	3 ± 4	3 ± 5	2 ± 3	3 ± 5	5 ± 7
SNA1 + IL-23R	134 ± 193	214 ± 565	81 ± 78	113 ± 78	70 ± 54
SNA1 + Ki67	23 ± 32	10 ± 17	12 ± 19	19 ± 34	10 ± 16
SNA1 + PI	3140 ± 2250	1651 ± 801	2286 ± 1151	2046 ± 901	1983 ± 936
SNA1 + Podoplanin	335 ± 555	393 ± 296	194 ± 163	260 ± 300	171 ± 233
SNA1 + STAT3	120 ± 192	148 ± 259	151 ± 196	52 ± 55	41 ± 59
SNA1 + TIA1	330 ± 486	124 ± 109	229 ± 284	300 ± 393	121 ± 84
SNA1 + Vimentin	4307 ± 3010	3403 ± 2439	3723 ± 1809	2838 ± 1171	2445 ± 769

Tabelle 458: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	125 ± 216	90 ± 177	92 ± 122	54 ± 108	38 ± 103
STAT3 + BCL2	5 ± 6	2 ± 4	4 ± 7	18 ± 49	2 ± 3
STAT3 + CCR6	125 ± 236	105 ± 197	109 ± 124	87 ± 113	34 ± 63
STAT3 + CD11a	23 ± 35	3 ± 5	6 ± 8	34 ± 73	4 ± 6
STAT3 + CD11b	45 ± 48	26 ± 39	27 ± 40	67 ± 141	25 ± 41
STAT3 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD120b	22 ± 49	6 ± 11	13 ± 33	3 ± 4	2 ± 3
STAT3 + CD138	101 ± 173	128 ± 280	120 ± 142	52 ± 106	39 ± 103
STAT3 + CD15	37 ± 75	23 ± 74	22 ± 58	32 ± 77	1 ± 2
STAT3 + CD1a	1 ± 2	1 ± 1	2 ± 6	0 ± 0	0 ± 0
STAT3 + CD2	19 ± 33	4 ± 6	6 ± 10	27 ± 68	5 ± 7
STAT3 + CD207	5 ± 16	0 ± 1	1 ± 2	0 ± 0	0 ± 0
STAT3 + CD24	26 ± 60	8 ± 12	25 ± 65	20 ± 59	2 ± 5
STAT3 + CD28	19 ± 37	4 ± 6	5 ± 7	19 ± 40	5 ± 7
STAT3 + CD29	138 ± 223	96 ± 142	113 ± 123	73 ± 107	42 ± 64
STAT3 + CD3	25 ± 50	10 ± 21	16 ± 36	34 ± 77	5 ± 7
STAT3 + CD31	10 ± 16	7 ± 13	9 ± 13	8 ± 12	8 ± 12
STAT3 + CD4	30 ± 51	4 ± 7	7 ± 8	27 ± 73	6 ± 8
STAT3 + CD44	98 ± 169	89 ± 183	72 ± 104	51 ± 69	24 ± 44
STAT3 + CD45	38 ± 82	3 ± 4	6 ± 7	31 ± 70	4 ± 5
STAT3 + CD45RA	127 ± 210	134 ± 220	122 ± 145	83 ± 131	59 ± 126
STAT3 + CD45RO	123 ± 238	89 ± 178	139 ± 188	87 ± 147	46 ± 120
STAT3 + CD52	34 ± 79	27 ± 79	18 ± 26	38 ± 76	4 ± 7
STAT3 + CD54	59 ± 105	12 ± 18	14 ± 18	35 ± 72	9 ± 14
STAT3 + CD56	172 ± 278	198 ± 343	233 ± 262	119 ± 173	73 ± 151
STAT3 + CD58	49 ± 91	42 ± 83	44 ± 57	37 ± 62	21 ± 45
STAT3 + CD62E	1 ± 2	6 ± 14	1 ± 1	3 ± 10	0 ± 0
STAT3 + CD62P	20 ± 44	11 ± 17	22 ± 43	7 ± 17	8 ± 17
STAT3 + CD68	112 ± 155	69 ± 93	131 ± 180	99 ± 119	43 ± 65
STAT3 + CD7	18 ± 38	4 ± 7	8 ± 12	20 ± 38	4 ± 7
STAT3 + CD8a	7 ± 15	4 ± 8	5 ± 11	6 ± 11	2 ± 3
STAT3 + CK14	25 ± 62	20 ± 42	27 ± 47	9 ± 23	7 ± 23
STAT3 + CLA	19 ± 30	7 ± 12	10 ± 12	18 ± 33	4 ± 8
STAT3 + c-myc	108 ± 181	199 ± 519	130 ± 142	65 ± 121	32 ± 58
STAT3 + Collagen IV	13 ± 15	32 ± 75	19 ± 24	9 ± 12	8 ± 12
STAT3 + FXIIIA	151 ± 223	173 ± 304	218 ± 251	118 ± 149	59 ± 107
STAT3 + HLA-DR	191 ± 304	163 ± 241	183 ± 202	102 ± 137	67 ± 123
STAT3 + IL-22R	1 ± 4	1 ± 4	2 ± 4	1 ± 4	1 ± 4
STAT3 + IL-23R	18 ± 24	20 ± 35	17 ± 22	21 ± 44	8 ± 10
STAT3 + Ki67	1 ± 1	0 ± 0	1 ± 2	3 ± 7	0 ± 1
STAT3 + PI	95 ± 170	45 ± 75	53 ± 60	55 ± 87	17 ± 21
STAT3 + Podoplanin	119 ± 199	155 ± 275	101 ± 122	78 ± 122	51 ± 106
STAT3 + SNA1	120 ± 192	148 ± 259	151 ± 196	52 ± 55	41 ± 59
STAT3 + TIA1	63 ± 95	66 ± 123	47 ± 59	49 ± 63	23 ± 56
STAT3 + Vimentin	125 ± 179	156 ± 288	142 ± 161	91 ± 104	42 ± 60

Tabelle 459: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	62 ± 86	63 ± 86	41 ± 56	39 ± 59	32 ± 58
TIA1 + BCL2	145 ± 230	35 ± 55	98 ± 127	93 ± 112	271 ± 571
TIA1 + CCR6	159 ± 129	109 ± 133	103 ± 77	166 ± 148	130 ± 111
TIA1 + CD11a	1081 ± 809	416 ± 715	718 ± 737	960 ± 807	1037 ± 1106
TIA1 + CD11b	673 ± 737	301 ± 625	474 ± 740	990 ± 1393	629 ± 714
TIA1 + CD120a	5 ± 12	1 ± 1	1 ± 2	7 ± 14	7 ± 15
TIA1 + CD120b	145 ± 274	30 ± 57	40 ± 57	66 ± 76	311 ± 701
TIA1 + CD138	41 ± 70	48 ± 95	35 ± 51	24 ± 51	18 ± 49
TIA1 + CD15	334 ± 574	51 ± 97	198 ± 460	577 ± 1171	29 ± 79
TIA1 + CD1a	7 ± 12	1 ± 3	3 ± 6	3 ± 5	7 ± 15
TIA1 + CD2	965 ± 770	385 ± 708	638 ± 693	809 ± 681	1139 ± 1260
TIA1 + CD207	23 ± 34	10 ± 29	13 ± 29	28 ± 45	24 ± 38
TIA1 + CD24	183 ± 321	30 ± 34	198 ± 473	543 ± 1146	24 ± 27
TIA1 + CD28	582 ± 586	168 ± 330	277 ± 336	461 ± 463	648 ± 1001
TIA1 + CD29	149 ± 99	100 ± 90	84 ± 64	125 ± 103	78 ± 64
TIA1 + CD3	994 ± 825	414 ± 733	714 ± 768	1010 ± 805	1167 ± 1351
TIA1 + CD31	11 ± 20	26 ± 49	10 ± 21	33 ± 56	9 ± 20
TIA1 + CD4	649 ± 584	254 ± 531	397 ± 516	577 ± 565	794 ± 1163
TIA1 + CD44	875 ± 515	387 ± 538	719 ± 644	1033 ± 730	816 ± 560
TIA1 + CD45	906 ± 718	301 ± 527	585 ± 609	845 ± 692	911 ± 1043
TIA1 + CD45RA	484 ± 321	301 ± 361	352 ± 331	388 ± 319	505 ± 470
TIA1 + CD45RO	558 ± 474	197 ± 319	407 ± 483	634 ± 633	716 ± 1121
TIA1 + CD52	729 ± 715	246 ± 540	418 ± 593	650 ± 699	747 ± 1099
TIA1 + CD54	792 ± 753	252 ± 425	351 ± 432	615 ± 602	556 ± 624
TIA1 + CD56	132 ± 102	84 ± 113	94 ± 69	84 ± 69	65 ± 54
TIA1 + CD58	105 ± 107	75 ± 112	62 ± 97	137 ± 200	255 ± 492
TIA1 + CD62E	5 ± 9	4 ± 12	10 ± 32	12 ± 22	0 ± 1
TIA1 + CD62P	9 ± 15	8 ± 14	8 ± 13	8 ± 13	5 ± 13
TIA1 + CD68	179 ± 208	120 ± 220	151 ± 214	201 ± 224	159 ± 229
TIA1 + CD7	730 ± 506	329 ± 541	535 ± 535	752 ± 634	888 ± 1049
TIA1 + CD8a	698 ± 570	351 ± 642	557 ± 616	757 ± 609	998 ± 1143
TIA1 + CK14	18 ± 43	8 ± 20	13 ± 21	7 ± 20	7 ± 20
TIA1 + CLA	355 ± 298	122 ± 193	226 ± 249	431 ± 427	320 ± 236
TIA1 + c-myc	63 ± 75	72 ± 123	50 ± 52	59 ± 58	31 ± 51
TIA1 + Collagen IV	100 ± 125	71 ± 118	88 ± 115	176 ± 229	89 ± 118
TIA1 + FXIIIA	124 ± 106	84 ± 104	171 ± 234	146 ± 134	90 ± 35
TIA1 + HLA-DR	1014 ± 721	441 ± 609	715 ± 695	876 ± 617	789 ± 574
TIA1 + IL-22R	1 ± 3	1 ± 1	1 ± 1	4 ± 7	4 ± 8
TIA1 + IL-23R	18 ± 49	4 ± 7	7 ± 10	29 ± 56	5 ± 6
TIA1 + Ki67	1 ± 1	1 ± 1	2 ± 4	2 ± 3	1 ± 2
TIA1 + PI	973 ± 805	426 ± 806	719 ± 846	831 ± 803	964 ± 952
TIA1 + Podoplanin	88 ± 106	92 ± 127	57 ± 62	75 ± 71	42 ± 60
TIA1 + SNA1	330 ± 486	124 ± 109	229 ± 284	300 ± 393	121 ± 84
TIA1 + STAT3	63 ± 95	66 ± 123	47 ± 59	49 ± 63	23 ± 56
TIA1 + Vimentin	437 ± 367	220 ± 363	337 ± 356	410 ± 374	330 ± 347

Tabelle 460: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für alle n=6 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	363 ± 346	189 ± 272	190 ± 249	172 ± 252	149 ± 248
Vimentin + BCL2	1275 ± 1109	479 ± 562	1519 ± 2383	1180 ± 1668	712 ± 547
Vimentin + CCR6	764 ± 830	313 ± 454	470 ± 523	1160 ± 1329	579 ± 584
Vimentin + CD11a	4145 ± 2940	1348 ± 2173	3407 ± 3466	4387 ± 5281	2008 ± 2147
Vimentin + CD11b	3390 ± 2409	2581 ± 2607	2700 ± 2636	3905 ± 2693	4374 ± 2236
Vimentin + CD120a	42 ± 80	9 ± 10	30 ± 35	55 ± 91	40 ± 55
Vimentin + CD120b	465 ± 702	128 ± 217	224 ± 268	242 ± 289	476 ± 842
Vimentin + CD138	88 ± 146	94 ± 206	89 ± 84	49 ± 51	39 ± 44
Vimentin + CD15	268 ± 402	127 ± 187	110 ± 171	375 ± 558	122 ± 174
Vimentin + CD1a	50 ± 99	214 ± 659	27 ± 48	25 ± 27	55 ± 93
Vimentin + CD2	3874 ± 2665	1501 ± 2199	3235 ± 2887	4286 ± 4467	2806 ± 2320
Vimentin + CD207	162 ± 235	230 ± 494	191 ± 236	126 ± 161	133 ± 162
Vimentin + CD24	48 ± 67	27 ± 35	69 ± 73	209 ± 362	31 ± 37
Vimentin + CD28	2482 ± 1958	744 ± 1355	1475 ± 1749	2563 ± 2954	1544 ± 1772
Vimentin + CD29	2078 ± 998	956 ± 636	1393 ± 635	1598 ± 961	1309 ± 918
Vimentin + CD3	3962 ± 3007	1783 ± 2216	3493 ± 3234	4983 ± 5127	3128 ± 2919
Vimentin + CD31	279 ± 188	186 ± 205	210 ± 205	446 ± 533	254 ± 223
Vimentin + CD4	4280 ± 2945	1861 ± 2494	3195 ± 2558	5032 ± 5314	3195 ± 2708
Vimentin + CD44	10952 ± 3218	9124 ± 3810	12780 ± 5491	13146 ± 5543	11009 ± 4737
Vimentin + CD45	3910 ± 2961	1031 ± 1482	2748 ± 2708	3980 ± 4782	1744 ± 1580
Vimentin + CD45RA	1194 ± 803	561 ± 624	905 ± 748	1091 ± 958	640 ± 583
Vimentin + CD45RO	2264 ± 1691	663 ± 1241	2086 ± 2643	2686 ± 2959	1580 ± 1928
Vimentin + CD52	2402 ± 2293	913 ± 1618	1754 ± 2367	2706 ± 3310	1402 ± 1698
Vimentin + CD54	6966 ± 5194	2394 ± 2895	3293 ± 2344	4869 ± 4759	3339 ± 2309
Vimentin + CD56	780 ± 481	689 ± 370	816 ± 467	765 ± 404	570 ± 307
Vimentin + CD58	410 ± 489	505 ± 959	236 ± 438	1082 ± 2412	598 ± 863
Vimentin + CD62E	17 ± 20	9 ± 18	25 ± 30	10 ± 19	9 ± 17
Vimentin + CD62P	33 ± 44	31 ± 44	38 ± 44	41 ± 55	31 ± 44
Vimentin + CD68	3161 ± 2163	2185 ± 2217	3419 ± 2221	3321 ± 2078	2665 ± 2057
Vimentin + CD7	1974 ± 1378	676 ± 1198	2008 ± 1904	2938 ± 3146	1346 ± 1236
Vimentin + CD8a	1055 ± 798	662 ± 846	1015 ± 921	1397 ± 1194	930 ± 835
Vimentin + CK14	51 ± 90	68 ± 95	80 ± 117	64 ± 94	53 ± 86
Vimentin + CLA	1507 ± 932	601 ± 580	1373 ± 1167	1422 ± 897	1050 ± 671
Vimentin + c-myc	872 ± 745	695 ± 957	652 ± 741	502 ± 697	534 ± 711
Vimentin + Collagen IV	1924 ± 1387	1512 ± 1354	2195 ± 1338	2328 ± 1514	2049 ± 2198
Vimentin + FXIIIA	2663 ± 1142	2357 ± 989	3590 ± 1837	3424 ± 1544	3195 ± 1169
Vimentin + HLA-DR	12252 ± 4537	7424 ± 3827	10993 ± 5399	10446 ± 4672	8527 ± 3196
Vimentin + IL-22R	5 ± 8	5 ± 9	5 ± 8	31 ± 75	20 ± 32
Vimentin + IL-23R	203 ± 278	229 ± 548	129 ± 206	281 ± 250	149 ± 109
Vimentin + Ki67	50 ± 60	26 ± 39	58 ± 116	36 ± 37	44 ± 60
Vimentin + PI	8444 ± 3790	4279 ± 2901	7828 ± 4240	7665 ± 3924	5980 ± 2782
Vimentin + Podoplanin	600 ± 529	874 ± 708	333 ± 174	569 ± 480	487 ± 548
Vimentin + SNA1	4307 ± 3010	3403 ± 2439	3723 ± 1809	2838 ± 1171	2445 ± 769
Vimentin + STAT3	125 ± 179	156 ± 288	142 ± 161	91 ± 104	42 ± 60
Vimentin + TIA1	437 ± 367	220 ± 363	337 ± 356	410 ± 374	330 ± 347

1.1.11 Duale Koexpression der extrakapillären Dermis für die Responder

Tabelle 461: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	20 ± 45	3 ± 5	13 ± 21	6 ± 10	3 ± 5
Aktin + CCR6	108 ± 176	77 ± 124	76 ± 87	53 ± 78	33 ± 63
Aktin + CD11a	40 ± 48	18 ± 36	15 ± 36	26 ± 48	28 ± 49
Aktin + CD11b	50 ± 49	37 ± 48	31 ± 50	34 ± 48	66 ± 75
Aktin + CD120a	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	6 ± 8	3 ± 4	2 ± 4	2 ± 4	3 ± 4
Aktin + CD138	84 ± 162	96 ± 181	93 ± 119	50 ± 104	37 ± 102
Aktin + CD15	19 ± 38	22 ± 59	5 ± 6	14 ± 21	3 ± 3
Aktin + CD1a	1 ± 2	1 ± 2	1 ± 4	0 ± 0	0 ± 1
Aktin + CD2	73 ± 104	20 ± 48	20 ± 48	23 ± 48	30 ± 49
Aktin + CD207	6 ± 17	1 ± 1	1 ± 2	0 ± 1	0 ± 0
Aktin + CD24	7 ± 15	3 ± 4	3 ± 4	2 ± 3	3 ± 4
Aktin + CD28	65 ± 93	19 ± 45	22 ± 44	27 ± 46	37 ± 59
Aktin + CD29	723 ± 745	317 ± 406	361 ± 382	301 ± 404	309 ± 414
Aktin + CD3	62 ± 65	32 ± 46	32 ± 46	43 ± 62	43 ± 64
Aktin + CD31	150 ± 192	110 ± 192	113 ± 190	93 ± 196	115 ± 209
Aktin + CD4	129 ± 179	56 ± 132	61 ± 131	61 ± 132	80 ± 140
Aktin + CD44	104 ± 102	76 ± 81	52 ± 37	68 ± 61	71 ± 70
Aktin + CD45	57 ± 82	7 ± 12	9 ± 12	15 ± 24	15 ± 18
Aktin + CD45RA	118 ± 152	111 ± 142	101 ± 113	76 ± 112	63 ± 111
Aktin + CD45RO	100 ± 190	81 ± 152	92 ± 121	57 ± 114	41 ± 105
Aktin + CD52	108 ± 154	47 ± 91	38 ± 71	43 ± 81	40 ± 74
Aktin + CD54	552 ± 817	197 ± 398	206 ± 394	198 ± 398	211 ± 403
Aktin + CD56	144 ± 213	111 ± 181	112 ± 128	73 ± 118	56 ± 112
Aktin + CD58	124 ± 145	93 ± 128	86 ± 119	67 ± 123	74 ± 124
Aktin + CD62E	5 ± 12	9 ± 17	12 ± 24	4 ± 12	5 ± 12
Aktin + CD62P	37 ± 55	34 ± 56	38 ± 54	33 ± 56	33 ± 56
Aktin + CD68	216 ± 203	109 ± 132	148 ± 140	102 ± 128	118 ± 146
Aktin + CD7	36 ± 41	23 ± 31	15 ± 24	23 ± 28	29 ± 44
Aktin + CD8a	19 ± 26	10 ± 21	10 ± 22	10 ± 21	11 ± 21
Aktin + CK14	31 ± 68	12 ± 26	33 ± 50	9 ± 25	8 ± 25
Aktin + CLA	17 ± 19	6 ± 8	7 ± 8	9 ± 14	6 ± 8
Aktin + c-myc	257 ± 406	225 ± 398	252 ± 379	181 ± 382	162 ± 386
Aktin + Collagen IV	529 ± 743	329 ± 661	361 ± 651	323 ± 665	364 ± 664
Aktin + FXIIIA	134 ± 192	104 ± 170	112 ± 125	66 ± 98	73 ± 101
Aktin + HLA-DR	361 ± 354	198 ± 167	182 ± 150	168 ± 160	169 ± 167
Aktin + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + IL-23R	7 ± 12	11 ± 16	11 ± 16	3 ± 7	6 ± 9
Aktin + Ki67	0 ± 0	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Aktin + PI	331 ± 404	151 ± 272	168 ± 267	165 ± 274	172 ± 278
Aktin + Podoplanin	100 ± 165	99 ± 164	70 ± 97	63 ± 105	43 ± 99
Aktin + SNA1	460 ± 478	239 ± 238	255 ± 228	187 ± 232	210 ± 253
Aktin + STAT3	121 ± 230	110 ± 191	108 ± 130	66 ± 117	47 ± 113
Aktin + TIA1	64 ± 93	77 ± 90	48 ± 60	46 ± 63	37 ± 64
Aktin + Vimentin	327 ± 295	215 ± 297	221 ± 267	172 ± 269	167 ± 271

Tabelle 462: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	20 ± 45	3 ± 5	13 ± 21	6 ± 10	3 ± 5
BCL2 + CCR6	257 ± 401	85 ± 112	172 ± 197	509 ± 853	487 ± 872
BCL2 + CD11a	1364 ± 2075	372 ± 387	1720 ± 2968	1540 ± 2389	2139 ± 3843
BCL2 + CD11b	364 ± 361	194 ± 144	336 ± 390	242 ± 126	1140 ± 2078
BCL2 + CD120a	2 ± 3	1 ± 1	4 ± 7	1 ± 2	18 ± 49
BCL2 + CD120b	401 ± 995	48 ± 101	94 ± 119	121 ± 192	1407 ± 3093
BCL2 + CD138	24 ± 42	13 ± 26	19 ± 30	21 ± 34	29 ± 35
BCL2 + CD15	56 ± 121	16 ± 36	19 ± 36	20 ± 35	20 ± 38
BCL2 + CD1a	16 ± 33	93 ± 274	5 ± 7	6 ± 11	57 ± 128
BCL2 + CD2	1558 ± 2224	464 ± 506	1814 ± 2887	1669 ± 2485	2600 ± 4641
BCL2 + CD207	52 ± 102	95 ± 264	65 ± 116	32 ± 52	97 ± 205
BCL2 + CD24	4 ± 5	1 ± 3	6 ± 9	5 ± 8	1 ± 3
BCL2 + CD28	1231 ± 2030	263 ± 343	1034 ± 1979	1130 ± 1690	2200 ± 4201
BCL2 + CD29	324 ± 379	81 ± 55	177 ± 166	222 ± 264	130 ± 64
BCL2 + CD3	1400 ± 2173	479 ± 502	1799 ± 3074	1608 ± 2362	2548 ± 4671
BCL2 + CD31	15 ± 27	6 ± 9	28 ± 47	24 ± 61	32 ± 74
BCL2 + CD4	1237 ± 1687	393 ± 429	1262 ± 1908	1568 ± 2450	2494 ± 4579
BCL2 + CD44	967 ± 968	536 ± 583	1809 ± 2799	1283 ± 1515	1268 ± 1606
BCL2 + CD45	1445 ± 2267	334 ± 370	1473 ± 2356	1530 ± 2370	2098 ± 3889
BCL2 + CD45RA	405 ± 487	117 ± 109	342 ± 418	391 ± 655	624 ± 1198
BCL2 + CD45RO	903 ± 1556	177 ± 234	1362 ± 2674	1206 ± 1950	2231 ± 4439
BCL2 + CD52	1164 ± 1966	273 ± 335	1251 ± 2464	1239 ± 1891	2082 ± 4145
BCL2 + CD54	1524 ± 2313	366 ± 506	742 ± 959	1249 ± 1945	1414 ± 2551
BCL2 + CD56	50 ± 44	21 ± 27	85 ± 111	54 ± 70	60 ± 67
BCL2 + CD58	74 ± 67	140 ± 322	36 ± 45	436 ± 1187	981 ± 2117
BCL2 + CD62E	2 ± 3	2 ± 5	13 ± 27	1 ± 2	1 ± 2
BCL2 + CD62P	3 ± 4	3 ± 4	4 ± 7	1 ± 2	1 ± 2
BCL2 + CD68	360 ± 331	165 ± 140	504 ± 673	566 ± 903	432 ± 538
BCL2 + CD7	771 ± 957	225 ± 301	1036 ± 1640	1241 ± 1784	1836 ± 3554
BCL2 + CD8a	322 ± 340	183 ± 147	457 ± 668	503 ± 600	1437 ± 3012
BCL2 + CK14	12 ± 32	16 ± 32	22 ± 39	13 ± 32	13 ± 32
BCL2 + CLA	409 ± 459	163 ± 127	491 ± 703	424 ± 441	422 ± 504
BCL2 + c-myc	178 ± 203	131 ± 154	145 ± 92	92 ± 85	85 ± 88
BCL2 + Collagen IV	96 ± 85	66 ± 73	176 ± 200	128 ± 138	109 ± 90
BCL2 + FXIIIA	214 ± 278	120 ± 122	550 ± 760	278 ± 339	321 ± 335
BCL2 + HLA-DR	1174 ± 1275	508 ± 534	1538 ± 2455	988 ± 989	1120 ± 1434
BCL2 + IL-22R	1 ± 2	1 ± 2	1 ± 2	9 ± 23	15 ± 30
BCL2 + IL-23R	35 ± 28	59 ± 119	67 ± 138	37 ± 37	44 ± 44
BCL2 + Ki67	10 ± 24	4 ± 8	82 ± 231	9 ± 13	4 ± 9
BCL2 + PI	1831 ± 2151	615 ± 601	2665 ± 4341	1454 ± 1651	2133 ± 3200
BCL2 + Podoplanin	27 ± 33	21 ± 25	11 ± 8	46 ± 84	26 ± 43
BCL2 + SNA1	209 ± 150	196 ± 256	452 ± 644	183 ± 145	164 ± 118
BCL2 + STAT3	5 ± 6	3 ± 4	5 ± 7	22 ± 54	2 ± 3
BCL2 + TIA1	162 ± 253	43 ± 58	118 ± 133	107 ± 119	327 ± 623
BCL2 + Vimentin	1270 ± 1230	564 ± 591	1805 ± 2567	1327 ± 1816	760 ± 592

Tabelle 463: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	108 ± 176	77 ± 124	76 ± 87	53 ± 78	33 ± 63
CCR6 + BCL2	257 ± 401	85 ± 112	172 ± 197	509 ± 853	487 ± 872
CCR6 + CD11a	810 ± 1023	320 ± 482	509 ± 521	1519 ± 2172	978 ± 1330
CCR6 + CD11b	409 ± 547	251 ± 355	241 ± 358	415 ± 512	612 ± 736
CCR6 + CD120a	1 ± 1	0 ± 0	1 ± 1	3 ± 7	9 ± 23
CCR6 + CD120b	196 ± 384	46 ± 94	69 ± 104	156 ± 200	551 ± 1119
CCR6 + CD138	73 ± 149	82 ± 149	79 ± 100	44 ± 69	27 ± 59
CCR6 + CD15	21 ± 42	26 ± 69	9 ± 13	33 ± 51	4 ± 2
CCR6 + CD1a	9 ± 11	5 ± 10	6 ± 10	12 ± 14	34 ± 52
CCR6 + CD2	771 ± 964	322 ± 490	485 ± 503	1444 ± 1985	1128 ± 1661
CCR6 + CD207	46 ± 77	13 ± 27	26 ± 35	44 ± 62	53 ± 70
CCR6 + CD24	25 ± 41	12 ± 14	15 ± 23	27 ± 54	9 ± 7
CCR6 + CD28	630 ± 823	214 ± 396	363 ± 406	1113 ± 1630	953 ± 1518
CCR6 + CD29	268 ± 358	135 ± 108	116 ± 72	231 ± 282	94 ± 48
CCR6 + CD3	860 ± 1104	351 ± 496	532 ± 530	1617 ± 2192	1185 ± 1756
CCR6 + CD31	4 ± 6	2 ± 3	4 ± 5	8 ± 16	4 ± 5
CCR6 + CD4	671 ± 746	295 ± 471	444 ± 460	1411 ± 2089	1106 ± 1663
CCR6 + CD44	1026 ± 1190	469 ± 497	659 ± 582	1642 ± 1804	1039 ± 1160
CCR6 + CD45	835 ± 1102	287 ± 432	487 ± 487	1510 ± 2119	939 ± 1300
CCR6 + CD45RA	361 ± 310	287 ± 222	277 ± 215	475 ± 427	325 ± 299
CCR6 + CD45RO	539 ± 613	229 ± 323	391 ± 410	1114 ± 1558	942 ± 1577
CCR6 + CD52	704 ± 951	293 ± 452	432 ± 479	1316 ± 1787	986 ± 1521
CCR6 + CD54	843 ± 1240	231 ± 377	346 ± 373	1157 ± 1740	786 ± 1161
CCR6 + CD56	175 ± 188	176 ± 195	158 ± 155	246 ± 262	111 ± 82
CCR6 + CD58	108 ± 125	92 ± 124	97 ± 107	426 ± 983	463 ± 881
CCR6 + CD62E	1 ± 3	5 ± 15	1 ± 1	1 ± 1	1 ± 2
CCR6 + CD62P	12 ± 20	10 ± 16	11 ± 14	7 ± 15	7 ± 15
CCR6 + CD68	400 ± 390	213 ± 305	310 ± 345	669 ± 752	387 ± 408
CCR6 + CD7	485 ± 530	207 ± 357	350 ± 378	1180 ± 1609	760 ± 1133
CCR6 + CD8a	268 ± 284	151 ± 202	191 ± 204	528 ± 582	490 ± 742
CCR6 + CK14	30 ± 65	11 ± 24	32 ± 48	10 ± 24	10 ± 24
CCR6 + CLA	299 ± 392	133 ± 146	191 ± 178	419 ± 404	233 ± 192
CCR6 + c-myc	83 ± 153	120 ± 229	82 ± 95	97 ± 180	34 ± 51
CCR6 + Collagen IV	24 ± 34	23 ± 37	25 ± 35	95 ± 114	24 ± 34
CCR6 + FXIIIA	250 ± 235	215 ± 177	225 ± 190	433 ± 446	252 ± 155
CCR6 + HLA-DR	1061 ± 1041	533 ± 433	683 ± 562	1406 ± 1368	926 ± 816
CCR6 + IL-22R	1 ± 1	1 ± 1	1 ± 1	4 ± 10	6 ± 11
CCR6 + IL-23R	12 ± 15	14 ± 14	19 ± 23	30 ± 44	19 ± 23
CCR6 + Ki67	0 ± 1	0 ± 0	1 ± 1	9 ± 16	0 ± 1
CCR6 + PI	763 ± 858	318 ± 419	470 ± 446	1231 ± 1431	884 ± 1073
CCR6 + Podoplanin	177 ± 228	213 ± 239	119 ± 93	206 ± 186	95 ± 88
CCR6 + SNA1	273 ± 208	206 ± 144	246 ± 205	290 ± 247	191 ± 94
CCR6 + STAT3	124 ± 256	128 ± 212	115 ± 131	104 ± 118	37 ± 69
CCR6 + TIA1	172 ± 132	133 ± 136	116 ± 78	186 ± 157	149 ± 113
CCR6 + Vimentin	781 ± 870	382 ± 478	525 ± 568	1195 ± 1469	569 ± 586

Tabelle 464: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	40 ± 48	18 ± 36	15 ± 36	26 ± 48	28 ± 49
CD11a + BCL2	1364 ± 2075	372 ± 387	1720 ± 2968	1540 ± 2389	2139 ± 3843
CD11a + CCR6	810 ± 1023	320 ± 482	509 ± 521	1519 ± 2172	978 ± 1330
CD11a + CD11b	2819 ± 2502	1925 ± 2585	2166 ± 2522	2208 ± 2455	4091 ± 3584
CD11a + CD120a	68 ± 168	5 ± 6	22 ± 31	49 ± 116	100 ± 202
CD11a + CD120b	1777 ± 2884	337 ± 459	608 ± 632	662 ± 791	3525 ± 6850
CD11a + CD138	18 ± 45	2 ± 5	5 ± 7	24 ± 49	6 ± 9
CD11a + CD15	234 ± 311	24 ± 31	84 ± 149	182 ± 371	27 ± 29
CD11a + CD1a	71 ± 85	210 ± 565	33 ± 42	43 ± 40	177 ± 281
CD11a + CD2	10711 ± 9782	3743 ± 4960	7176 ± 5827	9234 ± 10675	9640 ± 10934
CD11a + CD207	344 ± 482	294 ± 533	280 ± 300	250 ± 285	382 ± 465
CD11a + CD24	240 ± 256	129 ± 116	214 ± 206	303 ± 331	282 ± 361
CD11a + CD28	8856 ± 9013	2377 ± 3759	4474 ± 4681	7500 ± 9326	8345 ± 10605
CD11a + CD29	1058 ± 797	348 ± 262	457 ± 240	894 ± 1232	550 ± 521
CD11a + CD3	12195 ± 11229	4514 ± 5183	8778 ± 7402	12520 ± 15475	10693 ± 11285
CD11a + CD31	26 ± 47	35 ± 58	25 ± 47	102 ± 215	92 ± 158
CD11a + CD4	9675 ± 6973	3887 ± 5490	7101 ± 5848	10962 ± 14886	10008 ± 11204
CD11a + CD44	8011 ± 4974	3872 ± 3423	8670 ± 6976	10435 ± 11633	7013 ± 4433
CD11a + CD45	11401 ± 11518	3143 ± 3989	7536 ± 6505	11546 ± 15820	8358 ± 9427
CD11a + CD45RA	2684 ± 1797	994 ± 1253	1784 ± 1379	2521 ± 3182	2225 ± 2405
CD11a + CD45RO	5790 ± 5729	1602 ± 3039	4665 ± 5330	6395 ± 8330	7205 ± 11006
CD11a + CD52	8719 ± 9491	2317 ± 3977	5031 ± 5974	8518 ± 11390	7630 ± 10281
CD11a + CD54	9798 ± 11083	2665 ± 3450	4402 ± 3694	8471 ± 11626	5793 ± 5671
CD11a + CD56	226 ± 204	68 ± 61	216 ± 193	183 ± 243	123 ± 78
CD11a + CD58	680 ± 980	526 ± 802	323 ± 551	2746 ± 7103	2736 ± 4737
CD11a + CD62E	3 ± 7	0 ± 0	4 ± 9	2 ± 6	3 ± 4
CD11a + CD62P	14 ± 36	2 ± 4	1 ± 3	2 ± 4	2 ± 3
CD11a + CD68	1004 ± 1288	556 ± 1300	1147 ± 1384	1523 ± 2377	1004 ± 1437
CD11a + CD7	5118 ± 3644	2080 ± 2832	4607 ± 3954	7844 ± 9868	6400 ± 7775
CD11a + CD8a	3381 ± 2123	1859 ± 2101	2925 ± 2268	3915 ± 3754	4899 ± 5991
CD11a + CK14	5 ± 6	3 ± 5	10 ± 17	21 ± 39	6 ± 7
CD11a + CLA	2830 ± 2268	1029 ± 842	2017 ± 1472	2492 ± 2239	1847 ± 1094
CD11a + c-myc	110 ± 123	57 ± 116	81 ± 115	152 ± 215	63 ± 116
CD11a + Collagen IV	575 ± 565	380 ± 497	783 ± 726	1060 ± 1339	654 ± 734
CD11a + FXIIIA	198 ± 73	129 ± 92	421 ± 425	590 ± 960	434 ± 359
CD11a + HLA-DR	9212 ± 6724	3831 ± 3431	7287 ± 5774	8447 ± 8387	6659 ± 4240
CD11a + IL-22R	6 ± 10	3 ± 5	3 ± 4	34 ± 94	24 ± 44
CD11a + IL-23R	38 ± 103	11 ± 22	14 ± 29	65 ± 179	32 ± 55
CD11a + Ki67	5 ± 7	7 ± 11	56 ± 151	9 ± 13	8 ± 10
CD11a + PI	9881 ± 8254	3546 ± 4637	7730 ± 6565	9703 ± 11057	8138 ± 7322
CD11a + Podoplanin	162 ± 171	173 ± 320	65 ± 145	270 ± 496	125 ± 188
CD11a + SNA1	1419 ± 1823	712 ± 499	1547 ± 1436	943 ± 732	813 ± 473
CD11a + STAT3	20 ± 37	4 ± 6	7 ± 8	42 ± 80	5 ± 7
CD11a + TIA1	1149 ± 881	508 ± 766	831 ± 773	931 ± 876	1204 ± 1164
CD11a + Vimentin	3862 ± 3118	1585 ± 2357	3854 ± 3669	4409 ± 5735	2213 ± 2344

Tabelle 465: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	50 ± 49	37 ± 48	31 ± 50	34 ± 48	66 ± 75
CD11b + BCL2	364 ± 361	194 ± 144	336 ± 390	242 ± 126	1140 ± 2078
CD11b + CCR6	409 ± 547	251 ± 355	241 ± 358	415 ± 512	612 ± 736
CD11b + CD11a	2819 ± 2502	1925 ± 2585	2166 ± 2522	2208 ± 2455	4091 ± 3584
CD11b + CD120a	32 ± 38	9 ± 14	12 ± 14	51 ± 108	177 ± 385
CD11b + CD120b	395 ± 477	259 ± 291	213 ± 285	272 ± 298	1582 ± 2785
CD11b + CD138	26 ± 39	21 ± 34	29 ± 40	19 ± 35	23 ± 33
CD11b + CD15	716 ± 1119	95 ± 109	445 ± 937	1001 ± 2638	98 ± 99
CD11b + CD1a	15 ± 22	37 ± 88	8 ± 21	12 ± 21	53 ± 82
CD11b + CD2	2572 ± 2324	1773 ± 2400	1916 ± 2335	2232 ± 2239	4621 ± 4749
CD11b + CD207	110 ± 200	68 ± 172	65 ± 173	88 ± 166	130 ± 175
CD11b + CD24	348 ± 336	239 ± 174	483 ± 777	850 ± 1711	370 ± 330
CD11b + CD28	1572 ± 1589	860 ± 1520	961 ± 1477	1142 ± 1379	3184 ± 4094
CD11b + CD29	892 ± 645	765 ± 684	643 ± 701	815 ± 593	996 ± 883
CD11b + CD3	2730 ± 2552	1984 ± 2420	2019 ± 2409	2502 ± 2258	5215 ± 5898
CD11b + CD31	37 ± 45	52 ± 65	30 ± 48	157 ± 369	86 ± 121
CD11b + CD4	3185 ± 2591	2486 ± 2998	2655 ± 2879	2982 ± 2681	5567 ± 5110
CD11b + CD44	5077 ± 2892	4584 ± 3042	4655 ± 3045	5800 ± 2678	7423 ± 2231
CD11b + CD45	2533 ± 2117	1358 ± 1791	1670 ± 1688	1927 ± 1555	3741 ± 3511
CD11b + CD45RA	986 ± 893	866 ± 956	849 ± 965	940 ± 923	1530 ± 1182
CD11b + CD45RO	1363 ± 1398	718 ± 1466	1154 ± 1491	1214 ± 1385	3450 ± 5097
CD11b + CD52	1868 ± 2242	982 ± 2014	1204 ± 1982	1315 ± 1890	3222 ± 4491
CD11b + CD54	3654 ± 3002	2250 ± 2665	2335 ± 2597	2644 ± 2483	4882 ± 4261
CD11b + CD56	238 ± 158	230 ± 179	209 ± 172	250 ± 172	384 ± 168
CD11b + CD58	228 ± 353	248 ± 367	199 ± 369	324 ± 421	1466 ± 2529
CD11b + CD62E	19 ± 28	7 ± 14	37 ± 65	33 ± 83	11 ± 14
CD11b + CD62P	21 ± 24	20 ± 25	18 ± 24	28 ± 46	14 ± 20
CD11b + CD68	1888 ± 2194	1554 ± 2285	1830 ± 2185	1949 ± 2106	2749 ± 2422
CD11b + CD7	1227 ± 1304	944 ± 1388	984 ± 1357	1330 ± 1277	2611 ± 2891
CD11b + CD8a	751 ± 906	722 ± 932	677 ± 945	859 ± 878	1987 ± 2342
CD11b + CK14	11 ± 21	11 ± 21	15 ± 22	13 ± 21	14 ± 21
CD11b + CLA	974 ± 510	550 ± 501	703 ± 524	927 ± 693	965 ± 437
CD11b + c-myc	194 ± 255	167 ± 264	158 ± 268	191 ± 261	187 ± 260
CD11b + Collagen IV	651 ± 668	641 ± 680	647 ± 669	909 ± 685	1013 ± 850
CD11b + FXIIIA	2164 ± 1843	2046 ± 1921	2090 ± 1842	2544 ± 2025	3275 ± 1969
CD11b + HLA-DR	7428 ± 3749	6539 ± 4349	6395 ± 4461	7335 ± 4067	9392 ± 2720
CD11b + IL-22R	3 ± 7	3 ± 8	3 ± 8	4 ± 8	16 ± 28
CD11b + IL-23R	113 ± 82	101 ± 111	95 ± 99	213 ± 239	173 ± 178
CD11b + Ki67	5 ± 8	6 ± 9	11 ± 19	12 ± 14	5 ± 8
CD11b + PI	4079 ± 2484	3092 ± 2964	3367 ± 2830	3777 ± 2569	6010 ± 2990
CD11b + Podoplanin	156 ± 132	257 ± 407	98 ± 135	142 ± 125	145 ± 129
CD11b + SNA1	2031 ± 1093	2019 ± 998	2035 ± 1006	2352 ± 1092	2283 ± 1021
CD11b + STAT3	49 ± 53	31 ± 42	33 ± 42	81 ± 154	26 ± 44
CD11b + TIA1	713 ± 818	367 ± 679	574 ± 788	698 ± 982	732 ± 755
CD11b + Vimentin	3540 ± 2667	2922 ± 2783	3129 ± 2745	3839 ± 2603	4123 ± 2310

Tabelle 466: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	2 ± 3	1 ± 1	4 ± 7	1 ± 2	18 ± 49
CD120a + CCR6	1 ± 1	0 ± 0	1 ± 1	3 ± 7	9 ± 23
CD120a + CD11a	68 ± 168	5 ± 6	22 ± 31	49 ± 116	100 ± 202
CD120a + CD11b	32 ± 38	9 ± 14	12 ± 14	51 ± 108	177 ± 385
CD120a + CD120b	18 ± 26	9 ± 14	12 ± 14	11 ± 13	89 ± 192
CD120a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD120a + CD15	9 ± 16	1 ± 2	2 ± 2	28 ± 80	1 ± 2
CD120a + CD1a	3 ± 7	2 ± 5	7 ± 21	2 ± 4	9 ± 26
CD120a + CD2	20 ± 28	5 ± 10	11 ± 14	16 ± 20	88 ± 206
CD120a + CD207	3 ± 7	2 ± 4	11 ± 25	2 ± 6	10 ± 27
CD120a + CD24	12 ± 13	8 ± 14	10 ± 13	37 ± 78	22 ± 35
CD120a + CD28	45 ± 97	4 ± 7	15 ± 23	14 ± 20	105 ± 231
CD120a + CD29	15 ± 17	6 ± 10	11 ± 13	11 ± 12	14 ± 23
CD120a + CD3	40 ± 71	8 ± 10	20 ± 27	42 ± 80	168 ± 384
CD120a + CD31	3 ± 7	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD120a + CD4	107 ± 257	9 ± 12	36 ± 50	43 ± 82	147 ± 318
CD120a + CD44	122 ± 201	34 ± 36	64 ± 58	140 ± 269	183 ± 291
CD120a + CD45	63 ± 133	5 ± 6	32 ± 52	49 ± 110	108 ± 231
CD120a + CD45RA	21 ± 44	4 ± 8	6 ± 9	6 ± 8	30 ± 57
CD120a + CD45RO	26 ± 64	2 ± 2	14 ± 22	26 ± 57	146 ± 345
CD120a + CD52	40 ± 74	5 ± 9	10 ± 14	19 ± 30	119 ± 308
CD120a + CD54	152 ± 330	15 ± 22	42 ± 57	96 ± 232	158 ± 346
CD120a + CD56	2 ± 4	1 ± 1	1 ± 2	7 ± 18	3 ± 7
CD120a + CD58	13 ± 30	3 ± 5	4 ± 6	31 ± 84	95 ± 223
CD120a + CD62E	1 ± 4	0 ± 0	0 ± 0	0 ± 0	3 ± 8
CD120a + CD62P	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD68	17 ± 36	3 ± 4	13 ± 20	20 ± 48	32 ± 48
CD120a + CD7	14 ± 21	2 ± 4	14 ± 26	19 ± 29	70 ± 152
CD120a + CD8a	14 ± 34	2 ± 2	2 ± 2	6 ± 7	50 ± 128
CD120a + CK14	0 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 4
CD120a + CLA	6 ± 8	1 ± 2	10 ± 20	8 ± 15	13 ± 25
CD120a + c-myc	4 ± 4	2 ± 2	3 ± 6	16 ± 40	8 ± 10
CD120a + Collagen IV	52 ± 107	8 ± 11	18 ± 24	47 ± 99	22 ± 15
CD120a + FXIIIA	10 ± 9	8 ± 10	8 ± 10	11 ± 13	20 ± 28
CD120a + HLA-DR	259 ± 534	43 ± 48	74 ± 84	135 ± 256	167 ± 263
CD120a + IL-22R	0 ± 0	1 ± 2	1 ± 2	1 ± 2	6 ± 15
CD120a + IL-23R	55 ± 150	6 ± 19	6 ± 16	48 ± 142	9 ± 17
CD120a + Ki67	0 ± 0	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD120a + PI	39 ± 65	8 ± 12	20 ± 22	36 ± 65	59 ± 104
CD120a + Podoplanin	1 ± 1	1 ± 2	0 ± 0	7 ± 18	1 ± 3
CD120a + SNA1	93 ± 201	24 ± 33	31 ± 40	32 ± 44	54 ± 59
CD120a + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + TIA1	6 ± 13	1 ± 1	2 ± 2	3 ± 5	9 ± 17
CD120a + Vimentin	47 ± 89	10 ± 10	32 ± 38	37 ± 60	48 ± 58

Tabelle 467: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	6 ± 8	3 ± 4	2 ± 4	2 ± 4	3 ± 4
CD120b + BCL2	401 ± 995	48 ± 101	94 ± 119	121 ± 192	1407 ± 3093
CD120b + CCR6	196 ± 384	46 ± 94	69 ± 104	156 ± 200	551 ± 1119
CD120b + CD11a	1777 ± 2884	337 ± 459	608 ± 632	662 ± 791	3525 ± 6850
CD120b + CD11b	395 ± 477	259 ± 291	213 ± 285	272 ± 298	1582 ± 2785
CD120b + CD120a	18 ± 26	9 ± 14	12 ± 14	11 ± 13	89 ± 192
CD120b + CD138	8 ± 20	3 ± 6	3 ± 5	2 ± 5	4 ± 6
CD120b + CD15	303 ± 496	157 ± 216	118 ± 142	151 ± 188	146 ± 214
CD120b + CD1a	30 ± 37	102 ± 285	17 ± 23	21 ± 26	174 ± 325
CD120b + CD2	1450 ± 2775	246 ± 415	464 ± 520	500 ± 555	3801 ± 7848
CD120b + CD207	114 ± 222	98 ± 224	61 ± 82	43 ± 63	258 ± 461
CD120b + CD24	1618 ± 1903	1304 ± 668	1221 ± 678	1266 ± 796	1703 ± 1126
CD120b + CD28	1663 ± 2808	260 ± 440	458 ± 487	592 ± 666	4019 ± 8093
CD120b + CD29	1271 ± 1006	748 ± 473	779 ± 399	858 ± 532	745 ± 414
CD120b + CD3	1986 ± 2960	577 ± 507	814 ± 757	862 ± 807	4611 ± 9080
CD120b + CD31	4 ± 7	4 ± 7	3 ± 7	5 ± 8	42 ± 98
CD120b + CD4	1566 ± 2635	286 ± 469	546 ± 574	573 ± 666	4121 ± 8389
CD120b + CD44	2784 ± 2100	1721 ± 713	1920 ± 1186	1894 ± 937	3931 ± 4394
CD120b + CD45	1732 ± 2905	296 ± 392	561 ± 595	627 ± 679	3545 ± 7016
CD120b + CD45RA	577 ± 470	231 ± 311	302 ± 305	360 ± 279	1207 ± 2066
CD120b + CD45RO	1100 ± 2102	148 ± 322	369 ± 431	413 ± 519	3656 ± 7731
CD120b + CD52	1550 ± 2706	322 ± 467	452 ± 512	609 ± 702	3755 ± 7827
CD120b + CD54	2038 ± 2982	481 ± 468	532 ± 472	652 ± 613	2810 ± 5283
CD120b + CD56	37 ± 30	29 ± 20	26 ± 15	27 ± 14	53 ± 53
CD120b + CD58	236 ± 438	154 ± 292	70 ± 140	206 ± 411	2056 ± 4480
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 1	2 ± 7	2 ± 4
CD120b + CD62P	134 ± 362	30 ± 63	23 ± 35	12 ± 15	9 ± 15
CD120b + CD68	176 ± 222	55 ± 125	111 ± 140	99 ± 132	338 ± 562
CD120b + CD7	976 ± 1415	213 ± 392	549 ± 604	634 ± 697	3034 ± 6283
CD120b + CD8a	364 ± 421	149 ± 212	167 ± 213	244 ± 251	2008 ± 4419
CD120b + CK14	2 ± 4	1 ± 1	1 ± 1	1 ± 2	3 ± 8
CD120b + CLA	371 ± 618	85 ± 108	175 ± 185	190 ± 202	577 ± 976
CD120b + c-myc	21 ± 27	11 ± 19	10 ± 14	8 ± 13	15 ± 22
CD120b + Collagen IV	169 ± 139	172 ± 146	175 ± 117	215 ± 152	260 ± 184
CD120b + FXIIIA	32 ± 39	27 ± 27	29 ± 27	23 ± 18	148 ± 251
CD120b + HLA-DR	2317 ± 1920	1299 ± 586	1193 ± 668	1332 ± 728	3014 ± 3517
CD120b + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 3	19 ± 42
CD120b + IL-23R	14 ± 39	2 ± 4	1 ± 2	2 ± 3	22 ± 46
CD120b + Ki67	0 ± 0	2 ± 5	1 ± 4	0 ± 0	3 ± 7
CD120b + PI	1974 ± 2086	663 ± 420	878 ± 681	929 ± 644	3293 ± 5259
CD120b + Podoplanin	44 ± 46	97 ± 213	13 ± 23	36 ± 57	66 ± 110
CD120b + SNA1	571 ± 496	522 ± 273	503 ± 251	431 ± 268	651 ± 384
CD120b + STAT3	25 ± 54	8 ± 12	15 ± 37	3 ± 5	2 ± 4
CD120b + TIA1	173 ± 298	37 ± 61	48 ± 61	69 ± 82	375 ± 767
CD120b + Vimentin	539 ± 763	151 ± 236	249 ± 289	246 ± 311	561 ± 916

Tabelle 468: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	84 ± 162	96 ± 181	93 ± 119	50 ± 104	37 ± 102
CD138 + BCL2	24 ± 42	13 ± 26	19 ± 30	21 ± 34	29 ± 35
CD138 + CCR6	73 ± 149	82 ± 149	79 ± 100	44 ± 69	27 ± 59
CD138 + CD11a	18 ± 45	2 ± 5	5 ± 7	24 ± 49	6 ± 9
CD138 + CD11b	26 ± 39	21 ± 34	29 ± 40	19 ± 35	23 ± 33
CD138 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD138 + CD120b	8 ± 20	3 ± 6	3 ± 5	2 ± 5	4 ± 6
CD138 + CD15	20 ± 52	29 ± 77	6 ± 9	10 ± 19	7 ± 12
CD138 + CD1a	1 ± 2	1 ± 2	2 ± 4	1 ± 2	1 ± 2
CD138 + CD2	15 ± 29	5 ± 12	7 ± 12	20 ± 37	16 ± 22
CD138 + CD207	5 ± 14	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD138 + CD24	15 ± 34	6 ± 13	10 ± 15	4 ± 12	7 ± 14
CD138 + CD28	32 ± 82	2 ± 5	5 ± 5	19 ± 40	10 ± 10
CD138 + CD29	98 ± 184	97 ± 148	97 ± 99	63 ± 74	46 ± 71
CD138 + CD3	21 ± 46	10 ± 22	9 ± 11	27 ± 56	13 ± 18
CD138 + CD31	4 ± 8	2 ± 3	3 ± 6	15 ± 40	3 ± 4
CD138 + CD4	11 ± 23	2 ± 3	3 ± 3	22 ± 60	11 ± 18
CD138 + CD44	83 ± 141	76 ± 120	58 ± 59	60 ± 75	58 ± 58
CD138 + CD45	26 ± 56	6 ± 11	9 ± 10	27 ± 55	16 ± 23
CD138 + CD45RA	77 ± 140	100 ± 169	95 ± 118	57 ± 105	53 ± 102
CD138 + CD45RO	91 ± 175	91 ± 169	125 ± 148	59 ± 109	48 ± 106
CD138 + CD52	34 ± 72	31 ± 77	24 ± 31	32 ± 57	16 ± 22
CD138 + CD54	63 ± 128	17 ± 40	21 ± 39	42 ± 76	33 ± 41
CD138 + CD56	104 ± 185	151 ± 259	138 ± 152	71 ± 113	61 ± 110
CD138 + CD58	46 ± 72	55 ± 78	50 ± 51	47 ± 64	29 ± 45
CD138 + CD62E	9 ± 13	9 ± 14	16 ± 38	3 ± 8	7 ± 12
CD138 + CD62P	28 ± 43	18 ± 27	27 ± 38	13 ± 28	16 ± 29
CD138 + CD68	59 ± 107	53 ± 86	90 ± 123	57 ± 71	30 ± 59
CD138 + CD7	16 ± 35	5 ± 8	8 ± 9	13 ± 18	10 ± 11
CD138 + CD8a	8 ± 13	7 ± 11	7 ± 10	5 ± 9	6 ± 9
CD138 + CK14	50 ± 82	57 ± 98	66 ± 79	29 ± 61	28 ± 61
CD138 + CLA	20 ± 51	5 ± 10	6 ± 8	5 ± 9	9 ± 20
CD138 + c-myc	79 ± 150	169 ± 385	103 ± 112	45 ± 73	31 ± 63
CD138 + Collagen IV	18 ± 25	36 ± 60	18 ± 18	23 ± 29	21 ± 19
CD138 + FXIIIA	87 ± 156	127 ± 236	136 ± 157	59 ± 93	47 ± 88
CD138 + HLA-DR	146 ± 225	137 ± 182	132 ± 121	87 ± 115	80 ± 114
CD138 + IL-22R	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD138 + IL-23R	19 ± 25	20 ± 28	25 ± 32	14 ± 17	10 ± 17
CD138 + Ki67	0 ± 0	1 ± 2	1 ± 1	2 ± 3	1 ± 3
CD138 + PI	77 ± 137	51 ± 76	59 ± 73	47 ± 54	46 ± 48
CD138 + Podoplanin	71 ± 131	111 ± 202	71 ± 97	53 ± 97	38 ± 94
CD138 + SNA1	87 ± 141	128 ± 215	114 ± 115	48 ± 76	54 ± 75
CD138 + STAT3	100 ± 186	156 ± 305	133 ± 153	62 ± 115	46 ± 113
CD138 + TIA1	41 ± 76	59 ± 103	38 ± 55	30 ± 55	22 ± 54
CD138 + Vimentin	78 ± 149	115 ± 225	92 ± 92	57 ± 53	41 ± 49

Tabelle 469: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	19 ± 38	22 ± 59	5 ± 6	14 ± 21	3 ± 3
CD15 + BCL2	56 ± 121	16 ± 36	19 ± 36	20 ± 35	20 ± 38
CD15 + CCR6	21 ± 42	26 ± 69	9 ± 13	33 ± 51	4 ± 2
CD15 + CD11a	234 ± 311	24 ± 31	84 ± 149	182 ± 371	27 ± 29
CD15 + CD11b	716 ± 1119	95 ± 109	445 ± 937	1001 ± 2638	98 ± 99
CD15 + CD120a	9 ± 16	1 ± 2	2 ± 2	28 ± 80	1 ± 2
CD15 + CD120b	303 ± 496	157 ± 216	118 ± 142	151 ± 188	146 ± 214
CD15 + CD138	20 ± 52	29 ± 77	6 ± 9	10 ± 19	7 ± 12
CD15 + CD1a	6 ± 16	0 ± 0	3 ± 10	0 ± 1	0 ± 0
CD15 + CD2	190 ± 281	27 ± 54	53 ± 75	93 ± 151	38 ± 56
CD15 + CD207	8 ± 14	0 ± 0	1 ± 2	4 ± 10	2 ± 6
CD15 + CD24	487 ± 636	201 ± 244	483 ± 795	740 ± 1590	180 ± 217
CD15 + CD28	149 ± 242	10 ± 21	18 ± 22	60 ± 100	22 ± 32
CD15 + CD29	391 ± 494	213 ± 240	181 ± 219	231 ± 209	183 ± 219
CD15 + CD3	279 ± 373	63 ± 59	122 ± 162	252 ± 475	75 ± 90
CD15 + CD31	6 ± 14	1 ± 1	2 ± 3	92 ± 275	1 ± 1
CD15 + CD4	187 ± 237	32 ± 57	81 ± 121	110 ± 190	42 ± 56
CD15 + CD44	617 ± 563	275 ± 243	391 ± 333	690 ± 1062	295 ± 291
CD15 + CD45	218 ± 349	15 ± 21	87 ± 184	142 ± 295	52 ± 109
CD15 + CD45RA	109 ± 104	54 ± 72	60 ± 49	56 ± 40	38 ± 39
CD15 + CD45RO	227 ± 372	28 ± 59	152 ± 397	159 ± 383	19 ± 22
CD15 + CD52	221 ± 325	35 ± 52	54 ± 77	107 ± 170	24 ± 33
CD15 + CD54	383 ± 514	63 ± 81	97 ± 100	308 ± 666	69 ± 79
CD15 + CD56	28 ± 51	33 ± 84	10 ± 11	30 ± 47	9 ± 11
CD15 + CD58	17 ± 30	17 ± 44	4 ± 5	60 ± 161	2 ± 3
CD15 + CD62E	6 ± 15	4 ± 6	14 ± 39	31 ± 74	9 ± 26
CD15 + CD62P	137 ± 353	34 ± 60	37 ± 75	28 ± 40	17 ± 24
CD15 + CD68	105 ± 137	40 ± 50	71 ± 108	131 ± 268	32 ± 32
CD15 + CD7	131 ± 194	18 ± 28	39 ± 57	81 ± 113	28 ± 39
CD15 + CD8a	50 ± 72	9 ± 7	33 ± 65	66 ± 167	9 ± 10
CD15 + CK14	10 ± 28	3 ± 7	2 ± 4	3 ± 3	1 ± 1
CD15 + CLA	288 ± 533	22 ± 25	153 ± 343	290 ± 755	26 ± 29
CD15 + c-myc	31 ± 45	37 ± 87	12 ± 15	47 ± 80	9 ± 14
CD15 + Collagen IV	105 ± 151	34 ± 39	52 ± 58	182 ± 399	39 ± 41
CD15 + FXIIIA	107 ± 168	40 ± 79	158 ± 375	72 ± 125	26 ± 30
CD15 + HLA-DR	720 ± 719	236 ± 198	385 ± 470	426 ± 535	210 ± 175
CD15 + IL-22R	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD15 + IL-23R	27 ± 65	3 ± 7	2 ± 4	53 ± 157	1 ± 2
CD15 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 4
CD15 + PI	449 ± 519	86 ± 70	206 ± 284	308 ± 548	130 ± 146
CD15 + Podoplanin	28 ± 45	38 ± 76	8 ± 11	33 ± 50	6 ± 8
CD15 + SNA1	436 ± 695	159 ± 151	278 ± 326	343 ± 627	141 ± 135
CD15 + STAT3	39 ± 83	29 ± 82	25 ± 64	39 ± 84	1 ± 2
CD15 + TIA1	340 ± 642	62 ± 105	240 ± 504	341 ± 838	35 ± 87
CD15 + Vimentin	298 ± 441	122 ± 195	131 ± 184	304 ± 598	123 ± 187

Tabelle 470: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	1 ± 2	1 ± 2	1 ± 4	0 ± 0	0 ± 1
CD1a + BCL2	16 ± 33	93 ± 274	5 ± 7	6 ± 11	57 ± 128
CD1a + CCR6	9 ± 11	5 ± 10	6 ± 10	12 ± 14	34 ± 52
CD1a + CD11a	71 ± 85	210 ± 565	33 ± 42	43 ± 40	177 ± 281
CD1a + CD11b	15 ± 22	37 ± 88	8 ± 21	12 ± 21	53 ± 82
CD1a + CD120a	3 ± 7	2 ± 5	7 ± 21	2 ± 4	9 ± 26
CD1a + CD120b	30 ± 37	102 ± 285	17 ± 23	21 ± 26	174 ± 325
CD1a + CD138	1 ± 2	1 ± 2	2 ± 4	1 ± 2	1 ± 2
CD1a + CD15	6 ± 16	0 ± 0	3 ± 10	0 ± 1	0 ± 0
CD1a + CD2	80 ± 120	170 ± 437	33 ± 45	47 ± 44	202 ± 323
CD1a + CD207	64 ± 92	295 ± 829	36 ± 45	33 ± 33	193 ± 307
CD1a + CD24	1 ± 2	13 ± 38	5 ± 12	1 ± 2	14 ± 32
CD1a + CD28	68 ± 81	206 ± 558	29 ± 36	44 ± 38	209 ± 331
CD1a + CD29	15 ± 24	17 ± 47	10 ± 17	8 ± 12	19 ± 39
CD1a + CD3	73 ± 81	358 ± 1000	40 ± 47	57 ± 46	232 ± 350
CD1a + CD31	1 ± 1	2 ± 7	1 ± 3	0 ± 1	6 ± 16
CD1a + CD4	91 ± 121	310 ± 857	43 ± 57	55 ± 45	240 ± 366
CD1a + CD44	76 ± 93	502 ± 1442	52 ± 62	55 ± 42	212 ± 328
CD1a + CD45	99 ± 152	211 ± 565	46 ± 55	54 ± 43	185 ± 290
CD1a + CD45RA	12 ± 19	14 ± 37	5 ± 8	4 ± 4	15 ± 30
CD1a + CD45RO	42 ± 48	84 ± 210	24 ± 31	35 ± 37	182 ± 319
CD1a + CD52	62 ± 66	178 ± 466	28 ± 41	43 ± 43	185 ± 269
CD1a + CD54	115 ± 171	471 ± 1339	48 ± 63	53 ± 47	195 ± 275
CD1a + CD56	2 ± 2	3 ± 8	2 ± 4	0 ± 1	2 ± 5
CD1a + CD58	23 ± 30	404 ± 1189	12 ± 14	13 ± 14	162 ± 252
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	0 ± 0	2 ± 5	0 ± 0	0 ± 0
CD1a + CD68	22 ± 48	21 ± 53	9 ± 17	10 ± 17	8 ± 13
CD1a + CD7	44 ± 57	33 ± 63	31 ± 40	45 ± 39	135 ± 187
CD1a + CD8a	20 ± 23	39 ± 84	16 ± 24	22 ± 28	53 ± 62
CD1a + CK14	1 ± 2	3 ± 8	1 ± 3	0 ± 0	0 ± 1
CD1a + CLA	62 ± 136	33 ± 72	19 ± 26	33 ± 29	102 ± 168
CD1a + c-myc	2 ± 2	4 ± 10	2 ± 4	1 ± 2	4 ± 6
CD1a + Collagen IV	6 ± 10	15 ± 43	7 ± 14	2 ± 3	13 ± 20
CD1a + FXIIIA	2 ± 3	9 ± 26	2 ± 4	1 ± 1	3 ± 5
CD1a + HLA-DR	106 ± 163	528 ± 1522	46 ± 54	45 ± 38	214 ± 318
CD1a + IL-22R	1 ± 1	2 ± 3	1 ± 2	0 ± 1	2 ± 4
CD1a + IL-23R	2 ± 3	20 ± 59	1 ± 1	1 ± 2	2 ± 5
CD1a + Ki67	3 ± 10	2 ± 6	4 ± 11	0 ± 0	0 ± 0
CD1a + PI	51 ± 66	214 ± 587	29 ± 35	42 ± 34	157 ± 246
CD1a + Podoplanin	3 ± 5	10 ± 25	3 ± 6	3 ± 6	3 ± 7
CD1a + SNA1	21 ± 28	265 ± 776	21 ± 25	14 ± 13	41 ± 80
CD1a + STAT3	1 ± 2	1 ± 1	2 ± 7	0 ± 1	0 ± 1
CD1a + TIA1	9 ± 13	1 ± 3	4 ± 6	4 ± 5	8 ± 16
CD1a + Vimentin	59 ± 109	255 ± 730	32 ± 52	30 ± 27	67 ± 99

Tabelle 471: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	73 ± 104	20 ± 48	20 ± 48	23 ± 48	30 ± 49
CD2 + BCL2	1558 ± 2224	464 ± 506	1814 ± 2887	1669 ± 2485	2600 ± 4641
CD2 + CCR6	771 ± 964	322 ± 490	485 ± 503	1444 ± 1985	1128 ± 1661
CD2 + CD11a	10711 ± 9782	3743 ± 4960	7176 ± 5827	9234 ± 10675	9640 ± 10934
CD2 + CD11b	2572 ± 2324	1773 ± 2400	1916 ± 2335	2232 ± 2239	4621 ± 4749
CD2 + CD120a	20 ± 28	5 ± 10	11 ± 14	16 ± 20	88 ± 206
CD2 + CD120b	1450 ± 2775	246 ± 415	464 ± 520	500 ± 555	3801 ± 7848
CD2 + CD138	15 ± 29	5 ± 12	7 ± 12	20 ± 37	16 ± 22
CD2 + CD15	190 ± 281	27 ± 54	53 ± 75	93 ± 151	38 ± 56
CD2 + CD1a	80 ± 120	170 ± 437	33 ± 45	47 ± 44	202 ± 323
CD2 + CD207	401 ± 523	290 ± 477	294 ± 334	261 ± 307	491 ± 599
CD2 + CD24	81 ± 80	49 ± 70	76 ± 87	133 ± 162	171 ± 189
CD2 + CD28	8594 ± 8888	2409 ± 3940	4169 ± 4383	6300 ± 6991	9731 ± 14206
CD2 + CD29	997 ± 772	345 ± 284	440 ± 237	702 ± 525	529 ± 246
CD2 + CD3	11335 ± 10633	4297 ± 5437	7640 ± 6128	10111 ± 10155	13229 ± 17524
CD2 + CD31	38 ± 47	37 ± 49	37 ± 51	94 ± 138	127 ± 216
CD2 + CD4	9222 ± 6753	4007 ± 5735	6489 ± 5460	9594 ± 10709	12421 ± 16348
CD2 + CD44	6131 ± 4156	3203 ± 3424	6316 ± 4461	7597 ± 6056	7138 ± 5703
CD2 + CD45	10240 ± 10895	2842 ± 3932	6106 ± 5002	8700 ± 10197	8908 ± 10810
CD2 + CD45RA	2044 ± 1357	801 ± 1024	1265 ± 980	1826 ± 2158	2126 ± 2670
CD2 + CD45RO	5964 ± 5735	1807 ± 3406	4810 ± 5351	6017 ± 6970	9773 ± 15857
CD2 + CD52	8320 ± 9042	2289 ± 4058	4510 ± 5198	6491 ± 7627	8991 ± 13998
CD2 + CD54	8885 ± 10672	2549 ± 3649	3861 ± 3458	6370 ± 7517	6091 ± 7101
CD2 + CD56	285 ± 329	71 ± 58	227 ± 213	177 ± 191	193 ± 156
CD2 + CD58	542 ± 676	451 ± 656	297 ± 514	1915 ± 4659	2843 ± 5459
CD2 + CD62E	4 ± 6	1 ± 3	7 ± 16	1 ± 3	3 ± 5
CD2 + CD62P	6 ± 11	1 ± 3	1 ± 3	2 ± 3	2 ± 3
CD2 + CD68	1076 ± 1348	640 ± 1380	1130 ± 1349	1555 ± 2215	1363 ± 1696
CD2 + CD7	4893 ± 3534	1962 ± 2851	4101 ± 3502	6397 ± 6733	6692 ± 8981
CD2 + CD8a	3186 ± 1910	1773 ± 2093	2677 ± 2049	3489 ± 2720	5556 ± 7542
CD2 + CK14	8 ± 16	7 ± 16	9 ± 16	11 ± 16	11 ± 18
CD2 + CLA	2651 ± 2058	1012 ± 829	1823 ± 1248	2164 ± 1280	2085 ± 1370
CD2 + c-myc	106 ± 120	49 ± 98	66 ± 98	71 ± 106	56 ± 98
CD2 + Collagen IV	543 ± 376	355 ± 417	611 ± 450	769 ± 619	621 ± 388
CD2 + FXIIIA	276 ± 173	195 ± 198	468 ± 377	619 ± 866	801 ± 891
CD2 + HLA-DR	7111 ± 5060	3350 ± 3427	5310 ± 3695	6278 ± 3995	6640 ± 4973
CD2 + IL-22R	5 ± 6	3 ± 5	3 ± 4	27 ± 73	28 ± 53
CD2 + IL-23R	21 ± 43	8 ± 14	11 ± 24	42 ± 108	57 ± 94
CD2 + Ki67	5 ± 6	6 ± 9	29 ± 77	7 ± 7	7 ± 10
CD2 + PI	9303 ± 8009	3570 ± 4863	6748 ± 5363	7954 ± 7124	9551 ± 10102
CD2 + Podoplanin	126 ± 152	95 ± 156	56 ± 122	171 ± 294	119 ± 162
CD2 + SNA1	983 ± 704	649 ± 487	1263 ± 1048	873 ± 580	838 ± 495
CD2 + STAT3	18 ± 36	4 ± 7	8 ± 11	33 ± 75	6 ± 8
CD2 + TIA1	1049 ± 822	470 ± 763	740 ± 730	837 ± 757	1298 ± 1345
CD2 + Vimentin	3914 ± 2832	1752 ± 2378	3660 ± 3005	4359 ± 4862	2878 ± 2371

Tabelle 472: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	6 ± 17	1 ± 1	1 ± 2	0 ± 1	0 ± 0
CD207 + BCL2	52 ± 102	95 ± 264	65 ± 116	32 ± 52	97 ± 205
CD207 + CCR6	46 ± 77	13 ± 27	26 ± 35	44 ± 62	53 ± 70
CD207 + CD11a	344 ± 482	294 ± 533	280 ± 300	250 ± 285	382 ± 465
CD207 + CD11b	110 ± 200	68 ± 172	65 ± 173	88 ± 166	130 ± 175
CD207 + CD120a	3 ± 7	2 ± 4	11 ± 25	2 ± 6	10 ± 27
CD207 + CD120b	114 ± 222	98 ± 224	61 ± 82	43 ± 63	258 ± 461
CD207 + CD138	5 ± 14	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD207 + CD15	8 ± 14	0 ± 0	1 ± 2	4 ± 10	2 ± 6
CD207 + CD1a	64 ± 92	295 ± 829	36 ± 45	33 ± 33	193 ± 307
CD207 + CD2	401 ± 523	290 ± 477	294 ± 334	261 ± 307	491 ± 599
CD207 + CD24	5 ± 8	4 ± 8	7 ± 11	8 ± 13	17 ± 23
CD207 + CD28	311 ± 456	281 ± 541	228 ± 256	200 ± 243	451 ± 600
CD207 + CD29	33 ± 46	11 ± 16	20 ± 19	22 ± 25	30 ± 51
CD207 + CD3	380 ± 541	460 ± 929	332 ± 369	301 ± 339	535 ± 622
CD207 + CD31	1 ± 2	0 ± 0	1 ± 2	1 ± 3	13 ± 39
CD207 + CD4	402 ± 486	432 ± 792	350 ± 389	317 ± 368	555 ± 639
CD207 + CD44	258 ± 293	446 ± 935	366 ± 463	263 ± 248	379 ± 374
CD207 + CD45	388 ± 547	289 ± 539	317 ± 354	258 ± 264	388 ± 444
CD207 + CD45RA	44 ± 43	15 ± 23	29 ± 61	18 ± 23	29 ± 37
CD207 + CD45RO	196 ± 280	141 ± 252	234 ± 292	189 ± 257	378 ± 557
CD207 + CD52	329 ± 482	263 ± 489	254 ± 323	241 ± 306	393 ± 463
CD207 + CD54	484 ± 642	464 ± 966	348 ± 388	270 ± 333	372 ± 363
CD207 + CD56	8 ± 16	2 ± 5	3 ± 8	1 ± 4	3 ± 5
CD207 + CD58	29 ± 34	304 ± 861	21 ± 34	30 ± 39	197 ± 282
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	1 ± 4	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD68	67 ± 98	34 ± 74	51 ± 75	40 ± 73	34 ± 74
CD207 + CD7	145 ± 170	86 ± 159	201 ± 224	192 ± 218	275 ± 301
CD207 + CD8a	45 ± 79	55 ± 97	52 ± 76	68 ± 90	127 ± 140
CD207 + CK14	4 ± 13	0 ± 1	2 ± 5	1 ± 2	0 ± 0
CD207 + CLA	245 ± 396	57 ± 83	181 ± 230	118 ± 127	174 ± 212
CD207 + c-myc	7 ± 17	5 ± 10	3 ± 4	4 ± 6	4 ± 9
CD207 + Collagen IV	17 ± 31	20 ± 34	30 ± 52	23 ± 34	24 ± 37
CD207 + FXIIIA	13 ± 24	6 ± 15	7 ± 14	10 ± 17	6 ± 8
CD207 + HLA-DR	352 ± 368	484 ± 994	380 ± 475	264 ± 247	410 ± 394
CD207 + IL-22R	0 ± 0	1 ± 3	1 ± 2	0 ± 0	2 ± 4
CD207 + IL-23R	1 ± 2	5 ± 15	0 ± 1	3 ± 10	4 ± 10
CD207 + Ki67	4 ± 11	2 ± 6	9 ± 18	2 ± 6	1 ± 2
CD207 + PI	289 ± 334	265 ± 463	273 ± 302	250 ± 254	376 ± 421
CD207 + Podoplanin	25 ± 40	14 ± 39	16 ± 38	14 ± 39	16 ± 39
CD207 + SNA1	33 ± 33	205 ± 536	86 ± 117	43 ± 45	50 ± 80
CD207 + STAT3	6 ± 18	0 ± 1	1 ± 2	0 ± 0	0 ± 0
CD207 + TIA1	28 ± 36	12 ± 32	16 ± 32	33 ± 49	26 ± 41
CD207 + Vimentin	194 ± 250	277 ± 540	222 ± 251	152 ± 168	148 ± 174

Tabelle 473: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	7 ± 15	3 ± 4	3 ± 4	2 ± 3	3 ± 4
CD24 + BCL2	4 ± 5	1 ± 3	6 ± 9	5 ± 8	1 ± 3
CD24 + CCR6	25 ± 41	12 ± 14	15 ± 23	27 ± 54	9 ± 7
CD24 + CD11a	240 ± 256	129 ± 116	214 ± 206	303 ± 331	282 ± 361
CD24 + CD11b	348 ± 336	239 ± 174	483 ± 777	850 ± 1711	370 ± 330
CD24 + CD120a	12 ± 13	8 ± 14	10 ± 13	37 ± 78	22 ± 35
CD24 + CD120b	1618 ± 1903	1304 ± 668	1221 ± 678	1266 ± 796	1703 ± 1126
CD24 + CD138	15 ± 34	6 ± 13	10 ± 15	4 ± 12	7 ± 14
CD24 + CD15	487 ± 636	201 ± 244	483 ± 795	740 ± 1590	180 ± 217
CD24 + CD1a	1 ± 2	13 ± 38	5 ± 12	1 ± 2	14 ± 32
CD24 + CD2	81 ± 80	49 ± 70	76 ± 87	133 ± 162	171 ± 189
CD24 + CD207	5 ± 8	4 ± 8	7 ± 11	8 ± 13	17 ± 23
CD24 + CD28	178 ± 197	59 ± 86	104 ± 81	191 ± 159	326 ± 389
CD24 + CD29	1183 ± 1084	887 ± 620	952 ± 445	1092 ± 612	859 ± 691
CD24 + CD3	425 ± 465	359 ± 324	396 ± 242	543 ± 406	626 ± 654
CD24 + CD31	1 ± 3	1 ± 3	2 ± 4	65 ± 190	3 ± 5
CD24 + CD4	114 ± 103	64 ± 86	133 ± 144	152 ± 144	264 ± 298
CD24 + CD44	2199 ± 2156	1802 ± 922	2008 ± 922	2216 ± 977	2343 ± 1671
CD24 + CD45	273 ± 371	102 ± 116	189 ± 266	270 ± 237	259 ± 238
CD24 + CD45RA	412 ± 253	244 ± 245	316 ± 234	351 ± 200	492 ± 292
CD24 + CD45RO	105 ± 180	12 ± 13	160 ± 371	143 ± 240	108 ± 194
CD24 + CD52	267 ± 253	140 ± 182	240 ± 210	298 ± 287	399 ± 479
CD24 + CD54	570 ± 596	313 ± 310	287 ± 251	471 ± 515	558 ± 626
CD24 + CD56	35 ± 42	37 ± 28	40 ± 41	35 ± 19	40 ± 27
CD24 + CD58	35 ± 37	37 ± 42	31 ± 38	83 ± 160	202 ± 325
CD24 + CD62E	9 ± 18	0 ± 1	23 ± 46	31 ± 75	7 ± 22
CD24 + CD62P	151 ± 384	39 ± 66	45 ± 67	31 ± 34	23 ± 31
CD24 + CD68	40 ± 19	22 ± 23	84 ± 137	96 ± 164	38 ± 26
CD24 + CD7	136 ± 183	83 ± 93	107 ± 84	233 ± 210	221 ± 262
CD24 + CD8a	86 ± 98	82 ± 58	93 ± 78	147 ± 97	159 ± 154
CD24 + CK14	3 ± 8	1 ± 1	1 ± 3	2 ± 3	2 ± 3
CD24 + CLA	156 ± 231	45 ± 30	146 ± 297	245 ± 502	63 ± 40
CD24 + c-myc	21 ± 37	13 ± 20	13 ± 16	19 ± 34	9 ± 12
CD24 + Collagen IV	140 ± 90	165 ± 118	193 ± 102	317 ± 238	242 ± 299
CD24 + FXIIIA	42 ± 53	34 ± 34	157 ± 321	37 ± 37	38 ± 40
CD24 + HLA-DR	1580 ± 1410	1280 ± 534	1362 ± 635	1482 ± 585	1612 ± 1308
CD24 + IL-22R	1 ± 1	0 ± 0	1 ± 1	1 ± 2	1 ± 1
CD24 + IL-23R	9 ± 20	0 ± 0	3 ± 7	52 ± 154	1 ± 2
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD24 + PI	1109 ± 1466	638 ± 328	833 ± 429	948 ± 489	963 ± 925
CD24 + Podoplanin	24 ± 33	106 ± 254	11 ± 12	32 ± 44	12 ± 7
CD24 + SNA1	555 ± 551	479 ± 224	620 ± 418	620 ± 451	572 ± 462
CD24 + STAT3	29 ± 67	9 ± 13	30 ± 72	24 ± 66	2 ± 4
CD24 + TIA1	179 ± 356	36 ± 35	241 ± 518	287 ± 737	28 ± 29
CD24 + Vimentin	48 ± 75	28 ± 39	64 ± 76	174 ± 373	24 ± 25

Tabelle 474: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	65 ± 93	19 ± 45	22 ± 44	27 ± 46	37 ± 59
CD28 + BCL2	1231 ± 2030	263 ± 343	1034 ± 1979	1130 ± 1690	2200 ± 4201
CD28 + CCR6	630 ± 823	214 ± 396	363 ± 406	1113 ± 1630	953 ± 1518
CD28 + CD11a	8856 ± 9013	2377 ± 3759	4474 ± 4681	7500 ± 9326	8345 ± 10605
CD28 + CD11b	1572 ± 1589	860 ± 1520	961 ± 1477	1142 ± 1379	3184 ± 4094
CD28 + CD120a	45 ± 97	4 ± 7	15 ± 23	14 ± 20	105 ± 231
CD28 + CD120b	1663 ± 2808	260 ± 440	458 ± 487	592 ± 666	4019 ± 8093
CD28 + CD138	32 ± 82	2 ± 5	5 ± 5	19 ± 40	10 ± 10
CD28 + CD15	149 ± 242	10 ± 21	18 ± 22	60 ± 100	22 ± 32
CD28 + CD1a	68 ± 81	206 ± 558	29 ± 36	44 ± 38	209 ± 331
CD28 + CD2	8594 ± 8888	2409 ± 3940	4169 ± 4383	6300 ± 6991	9731 ± 14206
CD28 + CD207	311 ± 456	281 ± 541	228 ± 256	200 ± 243	451 ± 600
CD28 + CD24	178 ± 197	59 ± 86	104 ± 81	191 ± 159	326 ± 389
CD28 + CD29	978 ± 817	217 ± 227	317 ± 198	688 ± 744	534 ± 494
CD28 + CD3	9596 ± 9381	2764 ± 4209	5075 ± 5158	8103 ± 9354	11291 ± 15866
CD28 + CD31	41 ± 42	25 ± 43	34 ± 43	83 ± 113	134 ± 228
CD28 + CD4	7952 ± 6553	2706 ± 4350	4462 ± 4617	7352 ± 8912	10943 ± 15590
CD28 + CD44	5297 ± 4021	2031 ± 2647	3986 ± 3783	6304 ± 6814	6057 ± 6303
CD28 + CD45	8776 ± 9549	2053 ± 3097	4067 ± 4000	7277 ± 9120	7677 ± 10805
CD28 + CD45RA	1544 ± 1249	386 ± 664	626 ± 652	1293 ± 1754	1676 ± 2642
CD28 + CD45RO	4862 ± 5106	1249 ± 2457	2963 ± 3662	4619 ± 5688	8049 ± 13800
CD28 + CD52	7403 ± 8249	1722 ± 3174	3397 ± 4291	5839 ± 7497	8358 ± 13544
CD28 + CD54	7695 ± 9340	1882 ± 2850	2739 ± 2772	5856 ± 7648	5689 ± 7141
CD28 + CD56	155 ± 156	29 ± 31	55 ± 41	83 ± 101	118 ± 117
CD28 + CD58	567 ± 778	450 ± 709	255 ± 442	1889 ± 4775	2989 ± 5593
CD28 + CD62E	4 ± 5	1 ± 3	1 ± 3	1 ± 3	3 ± 4
CD28 + CD62P	15 ± 32	3 ± 5	3 ± 5	6 ± 8	4 ± 6
CD28 + CD68	622 ± 744	279 ± 699	518 ± 727	820 ± 1249	841 ± 1139
CD28 + CD7	4192 ± 3268	1309 ± 2218	2814 ± 2778	5532 ± 6671	5943 ± 8739
CD28 + CD8a	2032 ± 1534	823 ± 1398	1296 ± 1401	2188 ± 2221	4035 ± 6580
CD28 + CK14	6 ± 8	3 ± 6	4 ± 5	6 ± 6	7 ± 10
CD28 + CLA	1660 ± 1764	381 ± 509	817 ± 798	1266 ± 1287	1227 ± 1313
CD28 + c-myc	86 ± 103	27 ± 62	42 ± 63	53 ± 75	37 ± 63
CD28 + Collagen IV	454 ± 334	215 ± 354	363 ± 347	624 ± 617	646 ± 649
CD28 + FXIIIA	152 ± 114	65 ± 85	177 ± 164	328 ± 557	506 ± 662
CD28 + HLA-DR	5806 ± 4795	1950 ± 2511	3265 ± 3047	4950 ± 4694	5472 ± 5339
CD28 + IL-22R	3 ± 4	2 ± 4	2 ± 3	21 ± 59	26 ± 53
CD28 + IL-23R	43 ± 107	6 ± 11	8 ± 13	23 ± 55	43 ± 74
CD28 + Ki67	1 ± 2	3 ± 7	19 ± 57	2 ± 4	4 ± 9
CD28 + PI	7074 ± 6675	2097 ± 3379	3790 ± 3857	5825 ± 6154	7448 ± 9081
CD28 + Podoplanin	133 ± 161	65 ± 143	60 ± 144	213 ± 411	133 ± 198
CD28 + SNA1	767 ± 590	391 ± 452	751 ± 769	628 ± 479	725 ± 520
CD28 + STAT3	21 ± 40	4 ± 7	6 ± 7	24 ± 44	6 ± 7
CD28 + TIA1	655 ± 629	205 ± 357	329 ± 352	471 ± 517	774 ± 1074
CD28 + Vimentin	2547 ± 2154	895 ± 1467	1699 ± 1861	2626 ± 3264	1749 ± 1903

Tabelle 475: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	723 ± 745	317 ± 406	361 ± 382	301 ± 404	309 ± 414
CD29 + BCL2	324 ± 379	81 ± 55	177 ± 166	222 ± 264	130 ± 64
CD29 + CCR6	268 ± 358	135 ± 108	116 ± 72	231 ± 282	94 ± 48
CD29 + CD11a	1058 ± 797	348 ± 262	457 ± 240	894 ± 1232	550 ± 521
CD29 + CD11b	892 ± 645	765 ± 684	643 ± 701	815 ± 593	996 ± 883
CD29 + CD120a	15 ± 17	6 ± 10	11 ± 13	11 ± 12	14 ± 23
CD29 + CD120b	1271 ± 1006	748 ± 473	779 ± 399	858 ± 532	745 ± 414
CD29 + CD138	98 ± 184	97 ± 148	97 ± 99	63 ± 74	46 ± 71
CD29 + CD15	391 ± 494	213 ± 240	181 ± 219	231 ± 209	183 ± 219
CD29 + CD1a	15 ± 24	17 ± 47	10 ± 17	8 ± 12	19 ± 39
CD29 + CD2	997 ± 772	345 ± 284	440 ± 237	702 ± 525	529 ± 246
CD29 + CD207	33 ± 46	11 ± 16	20 ± 19	22 ± 25	30 ± 51
CD29 + CD24	1183 ± 1084	887 ± 620	952 ± 445	1092 ± 612	859 ± 691
CD29 + CD28	978 ± 817	217 ± 227	317 ± 198	688 ± 744	534 ± 494
CD29 + CD3	1398 ± 953	661 ± 405	809 ± 336	1250 ± 1071	849 ± 580
CD29 + CD31	492 ± 279	387 ± 309	395 ± 313	442 ± 284	451 ± 336
CD29 + CD4	1368 ± 731	565 ± 631	720 ± 525	968 ± 550	894 ± 636
CD29 + CD44	3580 ± 1988	2247 ± 1333	2603 ± 1078	3416 ± 2051	2369 ± 1696
CD29 + CD45	1183 ± 1127	272 ± 216	384 ± 189	833 ± 914	448 ± 185
CD29 + CD45RA	739 ± 378	394 ± 235	403 ± 237	485 ± 213	407 ± 234
CD29 + CD45RO	511 ± 491	128 ± 119	231 ± 158	492 ± 824	222 ± 153
CD29 + CD52	930 ± 916	210 ± 215	309 ± 226	754 ± 1094	472 ± 487
CD29 + CD54	3430 ± 2411	1320 ± 1061	1537 ± 900	1972 ± 1060	1718 ± 1289
CD29 + CD56	855 ± 714	658 ± 313	717 ± 402	693 ± 459	622 ± 438
CD29 + CD58	442 ± 345	328 ± 338	253 ± 304	423 ± 528	536 ± 496
CD29 + CD62E	11 ± 18	11 ± 22	22 ± 31	9 ± 18	9 ± 19
CD29 + CD62P	184 ± 337	85 ± 84	93 ± 91	65 ± 65	63 ± 68
CD29 + CD68	962 ± 574	635 ± 473	806 ± 396	782 ± 453	680 ± 531
CD29 + CD7	652 ± 528	244 ± 201	318 ± 168	707 ± 795	409 ± 363
CD29 + CD8a	294 ± 115	180 ± 132	190 ± 103	322 ± 264	253 ± 148
CD29 + CK14	58 ± 75	46 ± 50	93 ± 118	45 ± 51	37 ± 53
CD29 + CLA	395 ± 326	144 ± 120	180 ± 98	307 ± 325	168 ± 130
CD29 + c-myc	698 ± 784	489 ± 658	696 ± 705	420 ± 676	363 ± 686
CD29 + Collagen IV	2217 ± 888	1576 ± 1011	2038 ± 869	2256 ± 1133	1873 ± 1328
CD29 + FXIIIA	358 ± 301	339 ± 286	408 ± 349	411 ± 350	443 ± 562
CD29 + HLA-DR	3822 ± 1848	2227 ± 1238	2455 ± 1036	3099 ± 1953	2341 ± 1720
CD29 + IL-22R	1 ± 1	1 ± 2	1 ± 2	5 ± 12	4 ± 6
CD29 + IL-23R	48 ± 43	40 ± 45	38 ± 45	59 ± 44	36 ± 43
CD29 + Ki67	11 ± 21	4 ± 9	9 ± 13	7 ± 11	5 ± 9
CD29 + PI	2908 ± 1821	1414 ± 854	1774 ± 562	2388 ± 1669	1759 ± 1324
CD29 + Podoplanin	191 ± 147	303 ± 399	119 ± 90	167 ± 130	94 ± 97
CD29 + SNA1	2358 ± 986	1645 ± 557	1987 ± 554	1784 ± 511	1651 ± 1030
CD29 + STAT3	132 ± 242	114 ± 152	122 ± 131	88 ± 114	44 ± 69
CD29 + TIA1	164 ± 101	122 ± 84	97 ± 63	115 ± 97	82 ± 65
CD29 + Vimentin	2132 ± 1056	1099 ± 617	1517 ± 638	1756 ± 937	1148 ± 692

Tabelle 476: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	62 ± 65	32 ± 46	32 ± 46	43 ± 62	43 ± 64
CD3 + BCL2	1400 ± 2173	479 ± 502	1799 ± 3074	1608 ± 2362	2548 ± 4671
CD3 + CCR6	860 ± 1104	351 ± 496	532 ± 530	1617 ± 2192	1185 ± 1756
CD3 + CD11a	12195 ± 11229	4514 ± 5183	8778 ± 7402	12520 ± 15475	10693 ± 11285
CD3 + CD11b	2730 ± 2552	1984 ± 2420	2019 ± 2409	2502 ± 2258	5215 ± 5898
CD3 + CD120a	40 ± 71	8 ± 10	20 ± 27	42 ± 80	168 ± 384
CD3 + CD120b	1986 ± 2960	577 ± 507	814 ± 757	862 ± 807	4611 ± 9080
CD3 + CD138	21 ± 46	10 ± 22	9 ± 11	27 ± 56	13 ± 18
CD3 + CD15	279 ± 373	63 ± 59	122 ± 162	252 ± 475	75 ± 90
CD3 + CD1a	73 ± 81	358 ± 1000	40 ± 47	57 ± 46	232 ± 350
CD3 + CD2	11335 ± 10633	4297 ± 5437	7640 ± 6128	10111 ± 10155	13229 ± 17524
CD3 + CD207	380 ± 541	460 ± 929	332 ± 369	301 ± 339	535 ± 622
CD3 + CD24	425 ± 465	359 ± 324	396 ± 242	543 ± 406	626 ± 654
CD3 + CD28	9596 ± 9381	2764 ± 4209	5075 ± 5158	8103 ± 9354	11291 ± 15866
CD3 + CD29	1398 ± 953	661 ± 405	809 ± 336	1250 ± 1071	849 ± 580
CD3 + CD31	60 ± 44	46 ± 31	47 ± 33	138 ± 240	144 ± 194
CD3 + CD4	10252 ± 7247	4647 ± 6184	7879 ± 6362	11985 ± 14397	14692 ± 19622
CD3 + CD44	8306 ± 5480	5239 ± 3400	8973 ± 6592	11884 ± 11299	10468 ± 9884
CD3 + CD45	11541 ± 12643	3397 ± 4032	7526 ± 6409	11751 ± 14771	9626 ± 11317
CD3 + CD45RA	2347 ± 1596	983 ± 1163	1484 ± 1205	2376 ± 2784	2535 ± 3263
CD3 + CD45RO	5825 ± 5888	1712 ± 3153	4904 ± 5662	6624 ± 8073	10108 ± 17187
CD3 + CD52	9284 ± 10387	2800 ± 4436	5573 ± 6538	8778 ± 11029	10570 ± 16630
CD3 + CD54	10071 ± 12313	3486 ± 3833	4688 ± 3817	8949 ± 11429	7813 ± 9286
CD3 + CD56	250 ± 171	113 ± 66	195 ± 115	212 ± 243	259 ± 246
CD3 + CD58	690 ± 921	769 ± 1320	355 ± 579	2780 ± 7082	3505 ± 6599
CD3 + CD62E	6 ± 8	1 ± 2	10 ± 15	5 ± 14	5 ± 9
CD3 + CD62P	29 ± 76	4 ± 7	11 ± 27	2 ± 3	3 ± 5
CD3 + CD68	963 ± 1221	572 ± 1184	1101 ± 1263	1536 ± 2260	1457 ± 1894
CD3 + CD7	5399 ± 3855	2330 ± 3102	4935 ± 4188	8619 ± 9575	7553 ± 9740
CD3 + CD8a	3435 ± 2239	2137 ± 2138	3014 ± 2332	4187 ± 3576	6008 ± 8203
CD3 + CK14	8 ± 12	5 ± 6	13 ± 22	14 ± 15	18 ± 33
CD3 + CLA	2655 ± 2355	1111 ± 795	1848 ± 1300	2579 ± 1954	2184 ± 1692
CD3 + c-myc	134 ± 165	70 ± 97	129 ± 150	132 ± 200	83 ± 112
CD3 + Collagen IV	755 ± 526	707 ± 549	1025 ± 633	1401 ± 1189	1094 ± 810
CD3 + FXIIIA	257 ± 123	222 ± 172	479 ± 464	646 ± 897	929 ± 1271
CD3 + HLA-DR	9183 ± 6834	5148 ± 3351	7316 ± 5182	9197 ± 7010	9298 ± 7846
CD3 + IL-22R	6 ± 9	4 ± 5	3 ± 4	36 ± 100	34 ± 65
CD3 + IL-23R	38 ± 96	19 ± 44	13 ± 31	62 ± 171	65 ± 117
CD3 + Ki67	3 ± 3	5 ± 10	43 ± 123	6 ± 9	6 ± 9
CD3 + PI	10886 ± 9467	4724 ± 5167	8566 ± 6914	10896 ± 10231	11449 ± 12094
CD3 + Podoplanin	184 ± 214	269 ± 527	86 ± 184	338 ± 669	196 ± 280
CD3 + SNA1	1276 ± 1058	1190 ± 798	1677 ± 1313	1190 ± 784	1287 ± 849
CD3 + STAT3	27 ± 55	12 ± 23	19 ± 40	42 ± 84	6 ± 8
CD3 + TIA1	1089 ± 885	506 ± 787	831 ± 807	963 ± 870	1347 ± 1439
CD3 + Vimentin	3937 ± 3246	2060 ± 2379	3902 ± 3441	4877 ± 5655	3298 ± 3169

Tabelle 477: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	150 ± 192	110 ± 192	113 ± 190	93 ± 196	115 ± 209
CD31 + BCL2	15 ± 27	6 ± 9	28 ± 47	24 ± 61	32 ± 74
CD31 + CCR6	4 ± 6	2 ± 3	4 ± 5	8 ± 16	4 ± 5
CD31 + CD11a	26 ± 47	35 ± 58	25 ± 47	102 ± 215	92 ± 158
CD31 + CD11b	37 ± 45	52 ± 65	30 ± 48	157 ± 369	86 ± 121
CD31 + CD120a	3 ± 7	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD31 + CD120b	4 ± 7	4 ± 7	3 ± 7	5 ± 8	42 ± 98
CD31 + CD138	4 ± 8	2 ± 3	3 ± 6	15 ± 40	3 ± 4
CD31 + CD15	6 ± 14	1 ± 1	2 ± 3	92 ± 275	1 ± 1
CD31 + CD1a	1 ± 1	2 ± 7	1 ± 3	0 ± 1	6 ± 16
CD31 + CD2	38 ± 47	37 ± 49	37 ± 51	94 ± 138	127 ± 216
CD31 + CD207	1 ± 2	0 ± 0	1 ± 2	1 ± 3	13 ± 39
CD31 + CD24	1 ± 3	1 ± 3	2 ± 4	65 ± 190	3 ± 5
CD31 + CD28	41 ± 42	25 ± 43	34 ± 43	83 ± 113	134 ± 228
CD31 + CD29	492 ± 279	387 ± 309	395 ± 313	442 ± 284	451 ± 336
CD31 + CD3	60 ± 44	46 ± 31	47 ± 33	138 ± 240	144 ± 194
CD31 + CD4	135 ± 111	90 ± 117	98 ± 112	192 ± 261	220 ± 255
CD31 + CD44	55 ± 60	73 ± 77	39 ± 39	122 ± 181	96 ± 93
CD31 + CD45	24 ± 30	15 ± 22	16 ± 23	93 ± 205	62 ± 125
CD31 + CD45RA	25 ± 31	35 ± 40	20 ± 31	36 ± 58	22 ± 30
CD31 + CD45RO	6 ± 10	3 ± 4	7 ± 8	35 ± 79	69 ± 183
CD31 + CD52	56 ± 75	34 ± 78	39 ± 77	125 ± 225	115 ± 152
CD31 + CD54	430 ± 307	347 ± 315	312 ± 332	617 ± 866	409 ± 329
CD31 + CD56	5 ± 6	2 ± 4	4 ± 6	4 ± 5	13 ± 29
CD31 + CD58	97 ± 128	94 ± 139	74 ± 136	183 ± 314	177 ± 206
CD31 + CD62E	8 ± 18	6 ± 18	15 ± 26	8 ± 18	8 ± 18
CD31 + CD62P	30 ± 48	28 ± 49	32 ± 48	45 ± 65	32 ± 49
CD31 + CD68	202 ± 162	178 ± 144	165 ± 150	175 ± 157	194 ± 192
CD31 + CD7	27 ± 27	43 ± 63	25 ± 21	78 ± 113	58 ± 71
CD31 + CD8a	6 ± 11	9 ± 13	6 ± 10	15 ± 29	36 ± 78
CD31 + CK14	3 ± 5	1 ± 3	4 ± 5	2 ± 3	1 ± 3
CD31 + CLA	5 ± 6	4 ± 6	4 ± 5	41 ± 112	10 ± 17
CD31 + c-myc	163 ± 264	139 ± 263	153 ± 254	96 ± 254	94 ± 255
CD31 + Collagen IV	382 ± 319	365 ± 326	352 ± 342	627 ± 756	458 ± 366
CD31 + FXIIIA	12 ± 13	16 ± 11	47 ± 86	24 ± 38	47 ± 83
CD31 + HLA-DR	236 ± 140	239 ± 145	175 ± 151	273 ± 227	277 ± 213
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	3 ± 9	3 ± 6
CD31 + IL-23R	8 ± 9	11 ± 17	5 ± 7	9 ± 13	8 ± 8
CD31 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 4
CD31 + PI	286 ± 175	236 ± 177	214 ± 192	346 ± 316	334 ± 254
CD31 + Podoplanin	7 ± 5	8 ± 11	8 ± 9	35 ± 90	35 ± 75
CD31 + SNA1	383 ± 204	377 ± 199	325 ± 216	535 ± 583	397 ± 267
CD31 + STAT3	13 ± 17	9 ± 13	11 ± 14	9 ± 13	10 ± 13
CD31 + TIA1	13 ± 22	32 ± 53	12 ± 22	33 ± 61	11 ± 22
CD31 + Vimentin	306 ± 199	221 ± 211	237 ± 219	458 ± 584	290 ± 229

Tabelle 478: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	129 ± 179	56 ± 132	61 ± 131	61 ± 132	80 ± 140
CD4 + BCL2	1237 ± 1687	393 ± 429	1262 ± 1908	1568 ± 2450	2494 ± 4579
CD4 + CCR6	671 ± 746	295 ± 471	444 ± 460	1411 ± 2089	1106 ± 1663
CD4 + CD11a	9675 ± 6973	3887 ± 5490	7101 ± 5848	10962 ± 14886	10008 ± 11204
CD4 + CD11b	3185 ± 2591	2486 ± 2998	2655 ± 2879	2982 ± 2681	5567 ± 5110
CD4 + CD120a	107 ± 257	9 ± 12	36 ± 50	43 ± 82	147 ± 318
CD4 + CD120b	1566 ± 2635	286 ± 469	546 ± 574	573 ± 666	4121 ± 8389
CD4 + CD138	11 ± 23	2 ± 3	3 ± 3	22 ± 60	11 ± 18
CD4 + CD15	187 ± 237	32 ± 57	81 ± 121	110 ± 190	42 ± 56
CD4 + CD1a	91 ± 121	310 ± 857	43 ± 57	55 ± 45	240 ± 366
CD4 + CD2	9222 ± 6753	4007 ± 5735	6489 ± 5460	9594 ± 10709	12421 ± 16348
CD4 + CD207	402 ± 486	432 ± 792	350 ± 389	317 ± 368	555 ± 639
CD4 + CD24	114 ± 103	64 ± 86	133 ± 144	152 ± 144	264 ± 298
CD4 + CD28	7952 ± 6553	2706 ± 4350	4462 ± 4617	7352 ± 8912	10943 ± 15590
CD4 + CD29	1368 ± 731	565 ± 631	720 ± 525	968 ± 550	894 ± 636
CD4 + CD3	10252 ± 7247	4647 ± 6184	7879 ± 6362	11985 ± 14397	14692 ± 19622
CD4 + CD31	135 ± 111	90 ± 117	98 ± 112	192 ± 261	220 ± 255
CD4 + CD44	7370 ± 3217	4302 ± 4128	7513 ± 4378	9593 ± 8160	9035 ± 7315
CD4 + CD45	8711 ± 6681	2962 ± 3977	6010 ± 4723	10407 ± 14456	8912 ± 11241
CD4 + CD45RA	2034 ± 1354	749 ± 1081	1197 ± 1004	2108 ± 3030	2143 ± 2917
CD4 + CD45RO	5167 ± 4890	1730 ± 3403	3994 ± 4349	5932 ± 7249	9579 ± 15957
CD4 + CD52	7332 ± 6514	2459 ± 4416	4365 ± 5027	7523 ± 9728	9743 ± 15502
CD4 + CD54	9097 ± 6699	3670 ± 4654	5345 ± 4296	9014 ± 10907	8036 ± 8480
CD4 + CD56	353 ± 211	172 ± 219	268 ± 208	305 ± 331	340 ± 214
CD4 + CD58	752 ± 1000	688 ± 1073	385 ± 642	2835 ± 7159	3458 ± 6299
CD4 + CD62E	7 ± 9	2 ± 6	4 ± 7	2 ± 6	6 ± 8
CD4 + CD62P	19 ± 29	12 ± 29	14 ± 29	14 ± 29	14 ± 29
CD4 + CD68	1328 ± 1338	800 ± 1475	1352 ± 1368	1794 ± 2403	1711 ± 1921
CD4 + CD7	4355 ± 3129	1800 ± 2763	3745 ± 3209	6773 ± 8103	6576 ± 9181
CD4 + CD8a	1987 ± 1556	1150 ± 1772	1551 ± 1633	2702 ± 2737	4460 ± 7014
CD4 + CK14	13 ± 23	10 ± 23	14 ± 24	13 ± 22	17 ± 25
CD4 + CLA	2112 ± 1462	787 ± 897	1467 ± 978	1994 ± 1595	1766 ± 1469
CD4 + c-myc	191 ± 302	121 ± 294	164 ± 285	168 ± 313	130 ± 292
CD4 + Collagen IV	1106 ± 940	762 ± 1077	1182 ± 973	1430 ± 1322	1309 ± 1035
CD4 + FXIIIA	569 ± 670	450 ± 723	689 ± 652	975 ± 1179	1215 ± 1139
CD4 + HLA-DR	8625 ± 4058	4797 ± 4631	6985 ± 4045	8390 ± 5237	8867 ± 6148
CD4 + IL-22R	4 ± 6	4 ± 6	4 ± 5	37 ± 102	31 ± 63
CD4 + IL-23R	102 ± 226	27 ± 46	28 ± 30	79 ± 182	85 ± 128
CD4 + Ki67	5 ± 7	5 ± 9	25 ± 66	8 ± 10	7 ± 11
CD4 + PI	8595 ± 5459	4155 ± 5748	6883 ± 5392	9424 ± 9594	10382 ± 10748
CD4 + Podoplanin	161 ± 193	121 ± 199	91 ± 197	306 ± 610	192 ± 260
CD4 + SNA1	1662 ± 1234	1063 ± 916	1739 ± 983	1388 ± 896	1415 ± 760
CD4 + STAT3	25 ± 51	5 ± 8	8 ± 9	33 ± 81	7 ± 8
CD4 + TIA1	693 ± 633	310 ± 577	464 ± 551	599 ± 623	937 ± 1249
CD4 + Vimentin	3928 ± 2618	2070 ± 2735	3505 ± 2700	4857 ± 5807	3300 ± 2972

Tabelle 479: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	104 ± 102	76 ± 81	52 ± 37	68 ± 61	71 ± 70
CD44 + BCL2	967 ± 968	536 ± 583	1809 ± 2799	1283 ± 1515	1268 ± 1606
CD44 + CCR6	1026 ± 1190	469 ± 497	659 ± 582	1642 ± 1804	1039 ± 1160
CD44 + CD11a	8011 ± 4974	3872 ± 3423	8670 ± 6976	10435 ± 11633	7013 ± 4433
CD44 + CD11b	5077 ± 2892	4584 ± 3042	4655 ± 3045	5800 ± 2678	7423 ± 2231
CD44 + CD120a	122 ± 201	34 ± 36	64 ± 58	140 ± 269	183 ± 291
CD44 + CD120b	2784 ± 2100	1721 ± 713	1920 ± 1186	1894 ± 937	3931 ± 4394
CD44 + CD138	83 ± 141	76 ± 120	58 ± 59	60 ± 75	58 ± 58
CD44 + CD15	617 ± 563	275 ± 243	391 ± 333	690 ± 1062	295 ± 291
CD44 + CD1a	76 ± 93	502 ± 1442	52 ± 62	55 ± 42	212 ± 328
CD44 + CD2	6131 ± 4156	3203 ± 3424	6316 ± 4461	7597 ± 6056	7138 ± 5703
CD44 + CD207	258 ± 293	446 ± 935	366 ± 463	263 ± 248	379 ± 374
CD44 + CD24	2199 ± 2156	1802 ± 922	2008 ± 922	2216 ± 977	2343 ± 1671
CD44 + CD28	5297 ± 4021	2031 ± 2647	3986 ± 3783	6304 ± 6814	6057 ± 6303
CD44 + CD29	3580 ± 1988	2247 ± 1333	2603 ± 1078	3416 ± 2051	2369 ± 1696
CD44 + CD3	8306 ± 5480	5239 ± 3400	8973 ± 6592	11884 ± 11299	10468 ± 9884
CD44 + CD31	55 ± 60	73 ± 77	39 ± 39	122 ± 181	96 ± 93
CD44 + CD4	7370 ± 3217	4302 ± 4128	7513 ± 4378	9593 ± 8160	9035 ± 7315
CD44 + CD45	7704 ± 5637	2943 ± 2857	7072 ± 6121	9583 ± 10182	6276 ± 4268
CD44 + CD45RA	3108 ± 1272	1732 ± 1470	2748 ± 1484	3071 ± 1839	2831 ± 1471
CD44 + CD45RO	3132 ± 2490	1222 ± 1810	4043 ± 4587	5241 ± 6295	4922 ± 6408
CD44 + CD52	5565 ± 5274	2489 ± 3238	4960 ± 5568	7370 ± 8927	6079 ± 6625
CD44 + CD54	12782 ± 8143	6117 ± 6045	7529 ± 4997	10292 ± 9440	9029 ± 6670
CD44 + CD56	714 ± 417	756 ± 406	863 ± 373	807 ± 359	826 ± 437
CD44 + CD58	681 ± 737	1013 ± 1816	419 ± 595	2275 ± 5328	2519 ± 3797
CD44 + CD62E	7 ± 10	3 ± 5	8 ± 10	13 ± 24	4 ± 6
CD44 + CD62P	151 ± 351	51 ± 74	56 ± 83	33 ± 49	28 ± 51
CD44 + CD68	2062 ± 1351	1770 ± 1517	2691 ± 1547	2696 ± 1655	2233 ± 1535
CD44 + CD7	3864 ± 2240	1960 ± 2249	4507 ± 3621	7482 ± 7624	4858 ± 3945
CD44 + CD8a	2440 ± 1158	1876 ± 1333	2770 ± 1645	3727 ± 2562	3425 ± 2255
CD44 + CK14	67 ± 104	81 ± 106	106 ± 150	93 ± 107	90 ± 115
CD44 + CLA	2486 ± 1311	1349 ± 661	2456 ± 1526	2919 ± 1893	2085 ± 605
CD44 + c-myc	503 ± 458	581 ± 732	423 ± 363	474 ± 451	376 ± 368
CD44 + Collagen IV	2313 ± 1172	2744 ± 1506	3341 ± 1445	3882 ± 1887	2965 ± 1669
CD44 + FXIIIA	1580 ± 1128	1871 ± 1173	2892 ± 2013	2611 ± 1685	2631 ± 1514
CD44 + HLA-DR	21069 ± 4664	17223 ± 4848	21208 ± 7381	21878 ± 7876	19912 ± 4102
CD44 + IL-22R	8 ± 10	6 ± 10	7 ± 9	27 ± 63	29 ± 37
CD44 + IL-23R	93 ± 146	187 ± 438	85 ± 142	210 ± 355	92 ± 98
CD44 + Ki67	7 ± 8	11 ± 18	53 ± 138	14 ± 14	7 ± 6
CD44 + PI	11150 ± 4933	7162 ± 3284	11888 ± 6082	13313 ± 7688	11045 ± 3511
CD44 + Podoplanin	730 ± 399	1340 ± 1603	392 ± 311	717 ± 548	509 ± 288
CD44 + SNA1	4437 ± 2922	5256 ± 3866	5171 ± 2149	3956 ± 1690	3770 ± 956
CD44 + STAT3	96 ± 185	105 ± 200	84 ± 112	61 ± 72	25 ± 49
CD44 + TIA1	891 ± 561	473 ± 563	832 ± 661	934 ± 717	912 ± 565
CD44 + Vimentin	10096 ± 2639	9359 ± 4129	12622 ± 5618	13003 ± 5363	9567 ± 2540

Tabelle 480: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	57 ± 82	7 ± 12	9 ± 12	15 ± 24	15 ± 18
CD45 + BCL2	1445 ± 2267	334 ± 370	1473 ± 2356	1530 ± 2370	2098 ± 3889
CD45 + CCR6	835 ± 1102	287 ± 432	487 ± 487	1510 ± 2119	939 ± 1300
CD45 + CD11a	11401 ± 11518	3143 ± 3989	7536 ± 6505	11546 ± 15820	8358 ± 9427
CD45 + CD11b	2533 ± 2117	1358 ± 1791	1670 ± 1688	1927 ± 1555	3741 ± 3511
CD45 + CD120a	63 ± 133	5 ± 6	32 ± 52	49 ± 110	108 ± 231
CD45 + CD120b	1732 ± 2905	296 ± 392	561 ± 595	627 ± 679	3545 ± 7016
CD45 + CD138	26 ± 56	6 ± 11	9 ± 10	27 ± 55	16 ± 23
CD45 + CD15	218 ± 349	15 ± 21	87 ± 184	142 ± 295	52 ± 109
CD45 + CD1a	99 ± 152	211 ± 565	46 ± 55	54 ± 43	185 ± 290
CD45 + CD2	10240 ± 10895	2842 ± 3932	6106 ± 5002	8700 ± 10197	8908 ± 10810
CD45 + CD207	388 ± 547	289 ± 539	317 ± 354	258 ± 264	388 ± 444
CD45 + CD24	273 ± 371	102 ± 116	189 ± 266	270 ± 237	259 ± 238
CD45 + CD28	8776 ± 9549	2053 ± 3097	4067 ± 4000	7277 ± 9120	7677 ± 10805
CD45 + CD29	1183 ± 1127	272 ± 216	384 ± 189	833 ± 914	448 ± 185
CD45 + CD3	11541 ± 12643	3397 ± 4032	7526 ± 6409	11751 ± 14771	9626 ± 11317
CD45 + CD31	24 ± 30	15 ± 22	16 ± 23	93 ± 205	62 ± 125
CD45 + CD4	8711 ± 6681	2962 ± 3977	6010 ± 4723	10407 ± 14456	8912 ± 11241
CD45 + CD44	7704 ± 5637	2943 ± 2857	7072 ± 6121	9583 ± 10182	6276 ± 4268
CD45 + CD45RA	2420 ± 1825	693 ± 855	1355 ± 1073	2259 ± 3003	1913 ± 2304
CD45 + CD45RO	5539 ± 5691	1395 ± 2520	4415 ± 4921	6273 ± 7970	7025 ± 10925
CD45 + CD52	8670 ± 10370	2014 ± 3220	4521 ± 5201	7977 ± 10651	7353 ± 10849
CD45 + CD54	10368 ± 13082	2206 ± 2863	3957 ± 3227	7999 ± 11106	5273 ± 5796
CD45 + CD56	185 ± 178	39 ± 30	119 ± 106	148 ± 209	108 ± 93
CD45 + CD58	619 ± 817	472 ± 703	295 ± 461	2760 ± 7215	2780 ± 5216
CD45 + CD62E	7 ± 14	0 ± 1	6 ± 13	2 ± 4	2 ± 4
CD45 + CD62P	21 ± 56	1 ± 2	2 ± 2	2 ± 3	1 ± 2
CD45 + CD68	959 ± 996	404 ± 877	963 ± 1008	1354 ± 2067	855 ± 1072
CD45 + CD7	4915 ± 3733	1694 ± 2477	4095 ± 3504	7657 ± 9190	6014 ± 7882
CD45 + CD8a	2884 ± 1820	1374 ± 1687	2439 ± 2009	3598 ± 3455	4530 ± 6216
CD45 + CK14	9 ± 13	3 ± 5	8 ± 10	12 ± 15	4 ± 6
CD45 + CLA	2533 ± 2563	652 ± 572	1528 ± 1260	2110 ± 1926	1441 ± 946
CD45 + c-myc	113 ± 129	28 ± 52	44 ± 54	101 ± 164	31 ± 52
CD45 + Collagen IV	418 ± 271	220 ± 255	530 ± 499	891 ± 1055	425 ± 309
CD45 + FXIIIA	282 ± 205	123 ± 113	411 ± 479	589 ± 911	457 ± 465
CD45 + HLA-DR	8615 ± 7259	2739 ± 2567	5644 ± 4810	7417 ± 6727	5508 ± 3529
CD45 + IL-22R	5 ± 7	3 ± 4	3 ± 3	34 ± 94	25 ± 49
CD45 + IL-23R	37 ± 75	10 ± 15	17 ± 26	66 ± 174	42 ± 60
CD45 + Ki67	3 ± 4	3 ± 5	26 ± 72	6 ± 9	4 ± 8
CD45 + PI	9290 ± 9376	2552 ± 3315	6084 ± 5296	8695 ± 9912	6962 ± 6721
CD45 + Podoplanin	169 ± 177	121 ± 215	51 ± 99	257 ± 519	103 ± 156
CD45 + SNA1	1196 ± 1028	600 ± 436	1407 ± 1421	949 ± 711	755 ± 449
CD45 + STAT3	36 ± 90	4 ± 4	7 ± 8	38 ± 77	4 ± 5
CD45 + TIA1	956 ± 785	368 ± 565	674 ± 641	794 ± 698	1067 ± 1099
CD45 + Vimentin	3587 ± 2991	1202 ± 1602	3060 ± 2878	4047 ± 5167	1921 ± 1692

Tabelle 481: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	118 ± 152	111 ± 142	101 ± 113	76 ± 112	63 ± 111
CD45RA + BCL2	405 ± 487	117 ± 109	342 ± 418	391 ± 655	624 ± 1198
CD45RA + CCR6	361 ± 310	287 ± 222	277 ± 215	475 ± 427	325 ± 299
CD45RA + CD11a	2684 ± 1797	994 ± 1253	1784 ± 1379	2521 ± 3182	2225 ± 2405
CD45RA + CD11b	986 ± 893	866 ± 956	849 ± 965	940 ± 923	1530 ± 1182
CD45RA + CD120a	21 ± 44	4 ± 8	6 ± 9	6 ± 8	30 ± 57
CD45RA + CD120b	577 ± 470	231 ± 311	302 ± 305	360 ± 279	1207 ± 2066
CD45RA + CD138	77 ± 140	100 ± 169	95 ± 118	57 ± 105	53 ± 102
CD45RA + CD15	109 ± 104	54 ± 72	60 ± 49	56 ± 40	38 ± 39
CD45RA + CD1a	12 ± 19	14 ± 37	5 ± 8	4 ± 4	15 ± 30
CD45RA + CD2	2044 ± 1357	801 ± 1024	1265 ± 980	1826 ± 2158	2126 ± 2670
CD45RA + CD207	44 ± 43	15 ± 23	29 ± 61	18 ± 23	29 ± 37
CD45RA + CD24	412 ± 253	244 ± 245	316 ± 234	351 ± 200	492 ± 292
CD45RA + CD28	1544 ± 1249	386 ± 664	626 ± 652	1293 ± 1754	1676 ± 2642
CD45RA + CD29	739 ± 378	394 ± 235	403 ± 237	485 ± 213	407 ± 234
CD45RA + CD3	2347 ± 1596	983 ± 1163	1484 ± 1205	2376 ± 2784	2535 ± 3263
CD45RA + CD31	25 ± 31	35 ± 40	20 ± 31	36 ± 58	22 ± 30
CD45RA + CD4	2034 ± 1354	749 ± 1081	1197 ± 1004	2108 ± 3030	2143 ± 2917
CD45RA + CD44	3108 ± 1272	1732 ± 1470	2748 ± 1484	3071 ± 1839	2831 ± 1471
CD45RA + CD45	2420 ± 1825	693 ± 855	1355 ± 1073	2259 ± 3003	1913 ± 2304
CD45RA + CD45RO	757 ± 646	252 ± 362	520 ± 509	883 ± 1225	1312 ± 2486
CD45RA + CD52	1924 ± 1598	629 ± 1083	988 ± 1156	1837 ± 2417	1925 ± 2880
CD45RA + CD54	2575 ± 2145	715 ± 886	992 ± 837	1826 ± 2437	1649 ± 1845
CD45RA + CD56	280 ± 182	291 ± 201	272 ± 182	229 ± 165	233 ± 150
CD45RA + CD58	277 ± 320	162 ± 183	152 ± 176	708 ± 1702	849 ± 1627
CD45RA + CD62E	4 ± 8	6 ± 15	2 ± 3	1 ± 3	2 ± 3
CD45RA + CD62P	21 ± 35	14 ± 22	15 ± 21	11 ± 22	11 ± 22
CD45RA + CD68	487 ± 397	326 ± 441	490 ± 466	664 ± 793	447 ± 430
CD45RA + CD7	1414 ± 846	680 ± 827	1037 ± 794	1816 ± 2012	1785 ± 2114
CD45RA + CD8a	858 ± 584	545 ± 642	720 ± 626	954 ± 827	1419 ± 1777
CD45RA + CK14	31 ± 59	14 ± 27	34 ± 46	13 ± 27	14 ± 27
CD45RA + CLA	1223 ± 881	400 ± 311	729 ± 512	865 ± 717	667 ± 380
CD45RA + c-myc	119 ± 142	166 ± 247	120 ± 112	110 ± 118	76 ± 96
CD45RA + Collagen IV	329 ± 381	262 ± 386	332 ± 379	384 ± 367	293 ± 376
CD45RA + FXIIIA	226 ± 159	308 ± 175	339 ± 231	298 ± 160	301 ± 124
CD45RA + HLA-DR	3553 ± 1855	1782 ± 1387	2488 ± 1397	2684 ± 1388	2594 ± 1384
CD45RA + IL-22R	3 ± 4	2 ± 4	2 ± 4	11 ± 26	8 ± 15
CD45RA + IL-23R	18 ± 23	21 ± 33	18 ± 21	16 ± 17	15 ± 12
CD45RA + Ki67	5 ± 12	6 ± 12	15 ± 25	8 ± 11	5 ± 12
CD45RA + PI	2997 ± 1752	1290 ± 1486	2241 ± 1584	2516 ± 2169	2472 ± 2098
CD45RA + Podoplanin	176 ± 203	282 ± 275	134 ± 135	212 ± 188	110 ± 137
CD45RA + SNA1	672 ± 512	500 ± 182	570 ± 297	488 ± 192	467 ± 193
CD45RA + STAT3	131 ± 231	162 ± 237	133 ± 156	99 ± 141	62 ± 139
CD45RA + TIA1	504 ± 343	367 ± 368	401 ± 349	409 ± 353	581 ± 488
CD45RA + Vimentin	1165 ± 820	644 ± 666	1020 ± 780	1081 ± 1043	672 ± 645

Tabelle 482: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	100 ± 190	81 ± 152	92 ± 121	57 ± 114	41 ± 105
CD45RO + BCL2	903 ± 1556	177 ± 234	1362 ± 2674	1206 ± 1950	2231 ± 4439
CD45RO + CCR6	539 ± 613	229 ± 323	391 ± 410	1114 ± 1558	942 ± 1577
CD45RO + CD11a	5790 ± 5729	1602 ± 3039	4665 ± 5330	6395 ± 8330	7205 ± 11006
CD45RO + CD11b	1363 ± 1398	718 ± 1466	1154 ± 1491	1214 ± 1385	3450 ± 5097
CD45RO + CD120a	26 ± 64	2 ± 2	14 ± 22	26 ± 57	146 ± 345
CD45RO + CD120b	1100 ± 2102	148 ± 322	369 ± 431	413 ± 519	3656 ± 7731
CD45RO + CD138	91 ± 175	91 ± 169	125 ± 148	59 ± 109	48 ± 106
CD45RO + CD15	227 ± 372	28 ± 59	152 ± 397	159 ± 383	19 ± 22
CD45RO + CD1a	42 ± 48	84 ± 210	24 ± 31	35 ± 37	182 ± 319
CD45RO + CD2	5964 ± 5735	1807 ± 3406	4810 ± 5351	6017 ± 6970	9773 ± 15857
CD45RO + CD207	196 ± 280	141 ± 252	234 ± 292	189 ± 257	378 ± 557
CD45RO + CD24	105 ± 180	12 ± 13	160 ± 371	143 ± 240	108 ± 194
CD45RO + CD28	4862 ± 5106	1249 ± 2457	2963 ± 3662	4619 ± 5688	8049 ± 13800
CD45RO + CD29	511 ± 491	128 ± 119	231 ± 158	492 ± 824	222 ± 153
CD45RO + CD3	5825 ± 5888	1712 ± 3153	4904 ± 5662	6624 ± 8073	10108 ± 17187
CD45RO + CD31	6 ± 10	3 ± 4	7 ± 8	35 ± 79	69 ± 183
CD45RO + CD4	5167 ± 4890	1730 ± 3403	3994 ± 4349	5932 ± 7249	9579 ± 15957
CD45RO + CD44	3132 ± 2490	1222 ± 1810	4043 ± 4587	5241 ± 6295	4922 ± 6408
CD45RO + CD45	5539 ± 5691	1395 ± 2520	4415 ± 4921	6273 ± 7970	7025 ± 10925
CD45RO + CD45RA	757 ± 646	252 ± 362	520 ± 509	883 ± 1225	1312 ± 2486
CD45RO + CD52	4322 ± 4771	1074 ± 2165	3223 ± 4433	4889 ± 6947	7103 ± 13281
CD45RO + CD54	4288 ± 5112	1015 ± 1820	2205 ± 2222	4334 ± 6021	4330 ± 7024
CD45RO + CD56	177 ± 232	122 ± 184	234 ± 241	141 ± 165	146 ± 151
CD45RO + CD58	380 ± 494	261 ± 355	203 ± 305	1233 ± 3042	2579 ± 5323
CD45RO + CD62E	10 ± 17	9 ± 14	32 ± 65	6 ± 9	9 ± 14
CD45RO + CD62P	20 ± 34	13 ± 18	19 ± 26	9 ± 18	10 ± 19
CD45RO + CD68	613 ± 689	326 ± 709	818 ± 950	1030 ± 1436	998 ± 1365
CD45RO + CD7	2786 ± 2650	831 ± 1648	2550 ± 2831	4541 ± 5805	5082 ± 8875
CD45RO + CD8a	1344 ± 1181	540 ± 1033	1257 ± 1371	1890 ± 2168	3792 ± 7164
CD45RO + CK14	31 ± 68	11 ± 25	36 ± 53	14 ± 25	14 ± 27
CD45RO + CLA	1234 ± 1350	286 ± 470	1078 ± 1391	1252 ± 1522	1176 ± 1462
CD45RO + c-myc	108 ± 188	95 ± 163	119 ± 125	97 ± 145	65 ± 73
CD45RO + Collagen IV	197 ± 215	92 ± 169	327 ± 355	427 ± 561	262 ± 286
CD45RO + FXIIIA	212 ± 208	146 ± 161	507 ± 680	450 ± 601	570 ± 806
CD45RO + HLA-DR	3571 ± 2935	1254 ± 1773	3445 ± 3944	4151 ± 4743	4457 ± 5606
CD45RO + IL-22R	2 ± 3	1 ± 3	2 ± 2	12 ± 32	24 ± 50
CD45RO + IL-23R	47 ± 92	21 ± 28	34 ± 50	83 ± 205	71 ± 110
CD45RO + Ki67	1 ± 2	1 ± 2	28 ± 77	7 ± 13	4 ± 10
CD45RO + PI	4601 ± 4256	1406 ± 2598	4353 ± 5048	5089 ± 5994	6726 ± 10024
CD45RO + Podoplanin	142 ± 168	120 ± 167	105 ± 115	174 ± 215	123 ± 148
CD45RO + SNA1	867 ± 1223	336 ± 309	1138 ± 1472	592 ± 493	589 ± 579
CD45RO + STAT3	136 ± 262	107 ± 194	163 ± 201	105 ± 158	51 ± 134
CD45RO + TIA1	604 ± 513	241 ± 340	476 ± 511	544 ± 560	858 ± 1203
CD45RO + Vimentin	2072 ± 1767	784 ± 1353	2427 ± 2823	2634 ± 3197	1841 ± 2051

Tabelle 483: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	108 ± 154	47 ± 91	38 ± 71	43 ± 81	40 ± 74
CD52 + BCL2	1164 ± 1966	273 ± 335	1251 ± 2464	1239 ± 1891	2082 ± 4145
CD52 + CCR6	704 ± 951	293 ± 452	432 ± 479	1316 ± 1787	986 ± 1521
CD52 + CD11a	8719 ± 9491	2317 ± 3977	5031 ± 5974	8518 ± 11390	7630 ± 10281
CD52 + CD11b	1868 ± 2242	982 ± 2014	1204 ± 1982	1315 ± 1890	3222 ± 4491
CD52 + CD120a	40 ± 74	5 ± 9	10 ± 14	19 ± 30	119 ± 308
CD52 + CD120b	1550 ± 2706	322 ± 467	452 ± 512	609 ± 702	3755 ± 7827
CD52 + CD138	34 ± 72	31 ± 77	24 ± 31	32 ± 57	16 ± 22
CD52 + CD15	221 ± 325	35 ± 52	54 ± 77	107 ± 170	24 ± 33
CD52 + CD1a	62 ± 66	178 ± 466	28 ± 41	43 ± 43	185 ± 269
CD52 + CD2	8320 ± 9042	2289 ± 4058	4510 ± 5198	6491 ± 7627	8991 ± 13998
CD52 + CD207	329 ± 482	263 ± 489	254 ± 323	241 ± 306	393 ± 463
CD52 + CD24	267 ± 253	140 ± 182	240 ± 210	298 ± 287	399 ± 479
CD52 + CD28	7403 ± 8249	1722 ± 3174	3397 ± 4291	5839 ± 7497	8358 ± 13544
CD52 + CD29	930 ± 916	210 ± 215	309 ± 226	754 ± 1094	472 ± 487
CD52 + CD3	9284 ± 10387	2800 ± 4436	5573 ± 6538	8778 ± 11029	10570 ± 16630
CD52 + CD31	56 ± 75	34 ± 78	39 ± 77	125 ± 225	115 ± 152
CD52 + CD4	7332 ± 6514	2459 ± 4416	4365 ± 5027	7523 ± 9728	9743 ± 15502
CD52 + CD44	5565 ± 5274	2489 ± 3238	4960 ± 5568	7370 ± 8927	6079 ± 6625
CD52 + CD45	8670 ± 10370	2014 ± 3220	4521 ± 5201	7977 ± 10651	7353 ± 10849
CD52 + CD45RA	1924 ± 1598	629 ± 1083	988 ± 1156	1837 ± 2417	1925 ± 2880
CD52 + CD45RO	4322 ± 4771	1074 ± 2165	3223 ± 4433	4889 ± 6947	7103 ± 13281
CD52 + CD54	7972 ± 10602	1865 ± 2919	2756 ± 3040	6538 ± 8781	5566 ± 7647
CD52 + CD56	237 ± 256	69 ± 104	117 ± 129	132 ± 153	130 ± 136
CD52 + CD58	600 ± 805	447 ± 666	280 ± 513	2180 ± 5563	3081 ± 6130
CD52 + CD62E	8 ± 10	6 ± 12	22 ± 49	7 ± 13	6 ± 11
CD52 + CD62P	35 ± 73	12 ± 25	17 ± 27	10 ± 25	9 ± 25
CD52 + CD68	810 ± 1077	453 ± 1019	721 ± 1070	1288 ± 1804	931 ± 1205
CD52 + CD7	3833 ± 3222	1275 ± 2387	2725 ± 3161	5829 ± 7613	5729 ± 8823
CD52 + CD8a	2346 ± 1919	1078 ± 1773	1770 ± 2016	2688 ± 2876	4353 ± 7123
CD52 + CK14	15 ± 35	4 ± 7	13 ± 18	4 ± 6	5 ± 10
CD52 + CLA	1912 ± 2054	545 ± 692	1086 ± 1249	1658 ± 1865	1312 ± 1301
CD52 + c-myc	111 ± 145	77 ± 146	69 ± 110	86 ± 135	42 ± 105
CD52 + Collagen IV	476 ± 504	311 ± 522	475 ± 565	811 ± 979	623 ± 665
CD52 + FXIIIA	232 ± 197	183 ± 259	338 ± 428	539 ± 752	532 ± 735
CD52 + HLA-DR	6210 ± 6224	2327 ± 3146	4132 ± 4643	5926 ± 6990	5277 ± 5397
CD52 + IL-22R	5 ± 8	3 ± 5	3 ± 4	24 ± 64	27 ± 56
CD52 + IL-23R	28 ± 69	9 ± 15	13 ± 23	26 ± 65	42 ± 83
CD52 + Ki67	1 ± 2	2 ± 4	31 ± 92	7 ± 14	4 ± 8
CD52 + PI	7096 ± 7268	2299 ± 3915	4610 ± 5297	6938 ± 8393	6963 ± 8734
CD52 + Podoplanin	156 ± 184	98 ± 162	70 ± 152	285 ± 546	126 ± 186
CD52 + SNA1	736 ± 550	611 ± 642	936 ± 1072	710 ± 600	682 ± 568
CD52 + STAT3	37 ± 88	33 ± 87	22 ± 28	46 ± 82	5 ± 8
CD52 + TIA1	810 ± 771	301 ± 588	493 ± 635	621 ± 755	881 ± 1181
CD52 + Vimentin	2463 ± 2556	1093 ± 1753	2003 ± 2556	2869 ± 3640	1531 ± 1831

Tabelle 484: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	552 ± 817	197 ± 398	206 ± 394	198 ± 398	211 ± 403
CD54 + BCL2	1524 ± 2313	366 ± 506	742 ± 959	1249 ± 1945	1414 ± 2551
CD54 + CCR6	843 ± 1240	231 ± 377	346 ± 373	1157 ± 1740	786 ± 1161
CD54 + CD11a	9798 ± 11083	2665 ± 3450	4402 ± 3694	8471 ± 11626	5793 ± 5671
CD54 + CD11b	3654 ± 3002	2250 ± 2665	2335 ± 2597	2644 ± 2483	4882 ± 4261
CD54 + CD120a	152 ± 330	15 ± 22	42 ± 57	96 ± 232	158 ± 346
CD54 + CD120b	2038 ± 2982	481 ± 468	532 ± 472	652 ± 613	2810 ± 5283
CD54 + CD138	63 ± 128	17 ± 40	21 ± 39	42 ± 76	33 ± 41
CD54 + CD15	383 ± 514	63 ± 81	97 ± 100	308 ± 666	69 ± 79
CD54 + CD1a	115 ± 171	471 ± 1339	48 ± 63	53 ± 47	195 ± 275
CD54 + CD2	8885 ± 10672	2549 ± 3649	3861 ± 3458	6370 ± 7517	6091 ± 7101
CD54 + CD207	484 ± 642	464 ± 966	348 ± 388	270 ± 333	372 ± 363
CD54 + CD24	570 ± 596	313 ± 310	287 ± 251	471 ± 515	558 ± 626
CD54 + CD28	7695 ± 9340	1882 ± 2850	2739 ± 2772	5856 ± 7648	5689 ± 7141
CD54 + CD29	3430 ± 2411	1320 ± 1061	1537 ± 900	1972 ± 1060	1718 ± 1289
CD54 + CD3	10071 ± 12313	3486 ± 3833	4688 ± 3817	8949 ± 11429	7813 ± 9286
CD54 + CD31	430 ± 307	347 ± 315	312 ± 332	617 ± 866	409 ± 329
CD54 + CD4	9097 ± 6699	3670 ± 4654	5345 ± 4296	9014 ± 10907	8036 ± 8480
CD54 + CD44	12782 ± 8143	6117 ± 6045	7529 ± 4997	10292 ± 9440	9029 ± 6670
CD54 + CD45	10368 ± 13082	2206 ± 2863	3957 ± 3227	7999 ± 11106	5273 ± 5796
CD54 + CD45RA	2575 ± 2145	715 ± 886	992 ± 837	1826 ± 2437	1649 ± 1845
CD54 + CD45RO	4288 ± 5112	1015 ± 1820	2205 ± 2222	4334 ± 6021	4330 ± 7024
CD54 + CD52	7972 ± 10602	1865 ± 2919	2756 ± 3040	6538 ± 8781	5566 ± 7647
CD54 + CD56	495 ± 391	172 ± 205	255 ± 183	305 ± 353	280 ± 187
CD54 + CD58	855 ± 995	992 ± 1764	426 ± 696	2798 ± 6932	2974 ± 5041
CD54 + CD62E	14 ± 19	6 ± 18	20 ± 31	9 ± 19	11 ± 18
CD54 + CD62P	63 ± 90	37 ± 81	45 ± 79	55 ± 89	42 ± 80
CD54 + CD68	2067 ± 1719	879 ± 1400	1510 ± 1314	1708 ± 2140	1552 ± 1631
CD54 + CD7	3922 ± 3112	1442 ± 2090	2620 ± 2294	5630 ± 7301	4139 ± 4897
CD54 + CD8a	2090 ± 1462	1053 ± 1255	1300 ± 1194	2278 ± 2297	2739 ± 3413
CD54 + CK14	9 ± 15	5 ± 8	7 ± 12	10 ± 15	12 ± 27
CD54 + CLA	2463 ± 2640	561 ± 526	1048 ± 729	1621 ± 1777	1086 ± 786
CD54 + c-myc	610 ± 845	339 ± 785	470 ± 784	366 ± 785	322 ± 792
CD54 + Collagen IV	2770 ± 1800	1683 ± 1817	2127 ± 1656	2629 ± 2219	2193 ± 2000
CD54 + FXIIIA	909 ± 709	518 ± 605	677 ± 546	896 ± 869	1098 ± 881
CD54 + HLA-DR	15258 ± 10908	6214 ± 6075	7098 ± 4874	8923 ± 7137	8663 ± 6027
CD54 + IL-22R	6 ± 9	5 ± 8	5 ± 8	37 ± 98	26 ± 48
CD54 + IL-23R	130 ± 313	113 ± 297	34 ± 44	103 ± 246	69 ± 96
CD54 + Ki67	13 ± 18	10 ± 19	17 ± 30	13 ± 20	8 ± 19
CD54 + PI	10955 ± 9723	3580 ± 4013	4740 ± 3676	7601 ± 7611	6692 ± 5366
CD54 + Podoplanin	498 ± 389	381 ± 427	162 ± 187	472 ± 764	243 ± 194
CD54 + SNA1	3815 ± 3098	2152 ± 2182	2407 ± 1192	2037 ± 1537	2036 ± 1280
CD54 + STAT3	58 ± 114	15 ± 19	16 ± 19	42 ± 78	11 ± 15
CD54 + TIA1	856 ± 803	308 ± 455	422 ± 450	594 ± 629	653 ± 653
CD54 + Vimentin	7131 ± 5139	2784 ± 3085	3700 ± 2416	4824 ± 5038	3343 ± 2549

Tabelle 485: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	144 ± 213	111 ± 181	112 ± 128	73 ± 118	56 ± 112
CD56 + BCL2	50 ± 44	21 ± 27	85 ± 111	54 ± 70	60 ± 67
CD56 + CCR6	175 ± 188	176 ± 195	158 ± 155	246 ± 262	111 ± 82
CD56 + CD11a	226 ± 204	68 ± 61	216 ± 193	183 ± 243	123 ± 78
CD56 + CD11b	238 ± 158	230 ± 179	209 ± 172	250 ± 172	384 ± 168
CD56 + CD120a	2 ± 4	1 ± 1	1 ± 2	7 ± 18	3 ± 7
CD56 + CD120b	37 ± 30	29 ± 20	26 ± 15	27 ± 14	53 ± 53
CD56 + CD138	104 ± 185	151 ± 259	138 ± 152	71 ± 113	61 ± 110
CD56 + CD15	28 ± 51	33 ± 84	10 ± 11	30 ± 47	9 ± 11
CD56 + CD1a	2 ± 2	3 ± 8	2 ± 4	0 ± 1	2 ± 5
CD56 + CD2	285 ± 329	71 ± 58	227 ± 213	177 ± 191	193 ± 156
CD56 + CD207	8 ± 16	2 ± 5	3 ± 8	1 ± 4	3 ± 5
CD56 + CD24	35 ± 42	37 ± 28	40 ± 41	35 ± 19	40 ± 27
CD56 + CD28	155 ± 156	29 ± 31	55 ± 41	83 ± 101	118 ± 117
CD56 + CD29	855 ± 714	658 ± 313	717 ± 402	693 ± 459	622 ± 438
CD56 + CD3	250 ± 171	113 ± 66	195 ± 115	212 ± 243	259 ± 246
CD56 + CD31	5 ± 6	2 ± 4	4 ± 6	4 ± 5	13 ± 29
CD56 + CD4	353 ± 211	172 ± 219	268 ± 208	305 ± 331	340 ± 214
CD56 + CD44	714 ± 417	756 ± 406	863 ± 373	807 ± 359	826 ± 437
CD56 + CD45	185 ± 178	39 ± 30	119 ± 106	148 ± 209	108 ± 93
CD56 + CD45RA	280 ± 182	291 ± 201	272 ± 182	229 ± 165	233 ± 150
CD56 + CD45RO	177 ± 232	122 ± 184	234 ± 241	141 ± 165	146 ± 151
CD56 + CD52	237 ± 256	69 ± 104	117 ± 129	132 ± 153	130 ± 136
CD56 + CD54	495 ± 391	172 ± 205	255 ± 183	305 ± 353	280 ± 187
CD56 + CD58	181 ± 174	194 ± 232	114 ± 80	239 ± 394	302 ± 306
CD56 + CD62E	1 ± 2	6 ± 15	2 ± 3	1 ± 2	1 ± 2
CD56 + CD62P	15 ± 23	13 ± 19	14 ± 18	11 ± 19	9 ± 19
CD56 + CD68	348 ± 242	314 ± 231	414 ± 287	442 ± 258	355 ± 221
CD56 + CD7	171 ± 154	49 ± 54	197 ± 204	145 ± 211	124 ± 78
CD56 + CD8a	85 ± 86	43 ± 50	65 ± 43	56 ± 50	77 ± 52
CD56 + CK14	34 ± 67	16 ± 25	38 ± 50	12 ± 25	13 ± 25
CD56 + CLA	74 ± 37	36 ± 28	79 ± 65	64 ± 43	52 ± 29
CD56 + c-myc	173 ± 284	261 ± 490	188 ± 175	167 ± 213	94 ± 107
CD56 + Collagen IV	1009 ± 636	973 ± 572	1221 ± 549	1160 ± 575	1097 ± 674
CD56 + FXIIIA	366 ± 281	538 ± 337	531 ± 351	515 ± 298	503 ± 365
CD56 + HLA-DR	1093 ± 407	965 ± 316	1109 ± 430	1013 ± 342	987 ± 366
CD56 + IL-22R	0 ± 1	0 ± 0	0 ± 1	1 ± 2	1 ± 1
CD56 + IL-23R	16 ± 23	40 ± 77	21 ± 26	25 ± 21	16 ± 14
CD56 + Ki67	2 ± 3	2 ± 3	6 ± 13	10 ± 13	2 ± 3
CD56 + PI	617 ± 408	362 ± 161	618 ± 308	582 ± 338	552 ± 191
CD56 + Podoplanin	164 ± 197	355 ± 366	147 ± 139	192 ± 176	114 ± 139
CD56 + SNA1	524 ± 367	662 ± 335	611 ± 226	559 ± 219	538 ± 262
CD56 + STAT3	170 ± 304	232 ± 373	255 ± 280	143 ± 183	77 ± 166
CD56 + TIA1	138 ± 101	103 ± 118	107 ± 68	95 ± 72	75 ± 54
CD56 + Vimentin	671 ± 432	672 ± 410	855 ± 508	784 ± 416	578 ± 342

Tabelle 486: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	124 ± 145	93 ± 128	86 ± 119	67 ± 123	74 ± 124
CD58 + BCL2	74 ± 67	140 ± 322	36 ± 45	436 ± 1187	981 ± 2117
CD58 + CCR6	108 ± 125	92 ± 124	97 ± 107	426 ± 983	463 ± 881
CD58 + CD11a	680 ± 980	526 ± 802	323 ± 551	2746 ± 7103	2736 ± 4737
CD58 + CD11b	228 ± 353	248 ± 367	199 ± 369	324 ± 421	1466 ± 2529
CD58 + CD120a	13 ± 30	3 ± 5	4 ± 6	31 ± 84	95 ± 223
CD58 + CD120b	236 ± 438	154 ± 292	70 ± 140	206 ± 411	2056 ± 4480
CD58 + CD138	46 ± 72	55 ± 78	50 ± 51	47 ± 64	29 ± 45
CD58 + CD15	17 ± 30	17 ± 44	4 ± 5	60 ± 161	2 ± 3
CD58 + CD1a	23 ± 30	404 ± 1189	12 ± 14	13 ± 14	162 ± 252
CD58 + CD2	542 ± 676	451 ± 656	297 ± 514	1915 ± 4659	2843 ± 5459
CD58 + CD207	29 ± 34	304 ± 861	21 ± 34	30 ± 39	197 ± 282
CD58 + CD24	35 ± 37	37 ± 42	31 ± 38	83 ± 160	202 ± 325
CD58 + CD28	567 ± 778	450 ± 709	255 ± 442	1889 ± 4775	2989 ± 5593
CD58 + CD29	442 ± 345	328 ± 338	253 ± 304	423 ± 528	536 ± 496
CD58 + CD3	690 ± 921	769 ± 1320	355 ± 579	2780 ± 7082	3505 ± 6599
CD58 + CD31	97 ± 128	94 ± 139	74 ± 136	183 ± 314	177 ± 206
CD58 + CD4	752 ± 1000	688 ± 1073	385 ± 642	2835 ± 7159	3458 ± 6299
CD58 + CD44	681 ± 737	1013 ± 1816	419 ± 595	2275 ± 5328	2519 ± 3797
CD58 + CD45	619 ± 817	472 ± 703	295 ± 461	2760 ± 7215	2780 ± 5216
CD58 + CD45RA	277 ± 320	162 ± 183	152 ± 176	708 ± 1702	849 ± 1627
CD58 + CD45RO	380 ± 494	261 ± 355	203 ± 305	1233 ± 3042	2579 ± 5323
CD58 + CD52	600 ± 805	447 ± 666	280 ± 513	2180 ± 5563	3081 ± 6130
CD58 + CD54	855 ± 995	992 ± 1764	426 ± 696	2798 ± 6932	2974 ± 5041
CD58 + CD56	181 ± 174	194 ± 232	114 ± 80	239 ± 394	302 ± 306
CD58 + CD62E	4 ± 11	8 ± 15	4 ± 11	4 ± 11	6 ± 11
CD58 + CD62P	18 ± 28	17 ± 27	18 ± 26	15 ± 28	15 ± 27
CD58 + CD68	198 ± 274	171 ± 286	166 ± 277	482 ± 1018	411 ± 517
CD58 + CD7	358 ± 405	224 ± 368	223 ± 364	1687 ± 4264	2285 ± 4253
CD58 + CD8a	246 ± 343	194 ± 300	150 ± 286	660 ± 1448	1506 ± 3018
CD58 + CK14	43 ± 68	32 ± 56	41 ± 57	28 ± 57	28 ± 57
CD58 + CLA	114 ± 129	105 ± 149	84 ± 136	340 ± 705	453 ± 636
CD58 + c-myc	137 ± 213	125 ± 212	118 ± 204	140 ± 228	111 ± 206
CD58 + Collagen IV	333 ± 388	363 ± 516	231 ± 392	640 ± 1180	600 ± 626
CD58 + FXIIIA	56 ± 74	74 ± 88	61 ± 55	215 ± 537	239 ± 313
CD58 + HLA-DR	896 ± 999	1102 ± 1873	487 ± 644	1744 ± 3578	2286 ± 2972
CD58 + IL-22R	2 ± 4	3 ± 5	2 ± 3	23 ± 62	20 ± 42
CD58 + IL-23R	18 ± 27	40 ± 83	16 ± 22	41 ± 90	38 ± 55
CD58 + Ki67	6 ± 11	6 ± 12	4 ± 10	5 ± 10	6 ± 11
CD58 + PI	694 ± 837	620 ± 905	383 ± 655	2169 ± 5181	2416 ± 3750
CD58 + Podoplanin	79 ± 100	74 ± 89	63 ± 61	278 ± 701	105 ± 163
CD58 + SNA1	336 ± 292	608 ± 1174	217 ± 232	468 ± 757	508 ± 453
CD58 + STAT3	55 ± 100	52 ± 90	53 ± 60	45 ± 66	25 ± 49
CD58 + TIA1	118 ± 115	92 ± 118	75 ± 104	147 ± 222	312 ± 532
CD58 + Vimentin	429 ± 537	599 ± 1046	279 ± 478	1193 ± 2677	717 ± 918

Tabelle 487: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	5 ± 12	9 ± 17	12 ± 24	4 ± 12	5 ± 12
CD62E + BCL2	2 ± 3	2 ± 5	13 ± 27	1 ± 2	1 ± 2
CD62E + CCR6	1 ± 3	5 ± 15	1 ± 1	1 ± 1	1 ± 2
CD62E + CD11a	3 ± 7	0 ± 0	4 ± 9	2 ± 6	3 ± 4
CD62E + CD11b	19 ± 28	7 ± 14	37 ± 65	33 ± 83	11 ± 14
CD62E + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	3 ± 8
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 1	2 ± 7	2 ± 4
CD62E + CD138	9 ± 13	9 ± 14	16 ± 38	3 ± 8	7 ± 12
CD62E + CD15	6 ± 15	4 ± 6	14 ± 39	31 ± 74	9 ± 26
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	4 ± 6	1 ± 3	7 ± 16	1 ± 3	3 ± 5
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	9 ± 18	0 ± 1	23 ± 46	31 ± 75	7 ± 22
CD62E + CD28	4 ± 5	1 ± 3	1 ± 3	1 ± 3	3 ± 4
CD62E + CD29	11 ± 18	11 ± 22	22 ± 31	9 ± 18	9 ± 19
CD62E + CD3	6 ± 8	1 ± 2	10 ± 15	5 ± 14	5 ± 9
CD62E + CD31	8 ± 18	6 ± 18	15 ± 26	8 ± 18	8 ± 18
CD62E + CD4	7 ± 9	2 ± 6	4 ± 7	2 ± 6	6 ± 8
CD62E + CD44	7 ± 10	3 ± 5	8 ± 10	13 ± 24	4 ± 6
CD62E + CD45	7 ± 14	0 ± 1	6 ± 13	2 ± 4	2 ± 4
CD62E + CD45RA	4 ± 8	6 ± 15	2 ± 3	1 ± 3	2 ± 3
CD62E + CD45RO	10 ± 17	9 ± 14	32 ± 65	6 ± 9	9 ± 14
CD62E + CD52	8 ± 10	6 ± 12	22 ± 49	7 ± 13	6 ± 11
CD62E + CD54	14 ± 19	6 ± 18	20 ± 31	9 ± 19	11 ± 18
CD62E + CD56	1 ± 2	6 ± 15	2 ± 3	1 ± 2	1 ± 2
CD62E + CD58	4 ± 11	8 ± 15	4 ± 11	4 ± 11	6 ± 11
CD62E + CD62P	21 ± 30	16 ± 28	25 ± 38	11 ± 27	16 ± 30
CD62E + CD68	8 ± 18	8 ± 19	12 ± 19	10 ± 20	10 ± 18
CD62E + CD7	2 ± 6	0 ± 1	2 ± 3	1 ± 2	2 ± 3
CD62E + CD8a	2 ± 3	0 ± 1	5 ± 10	2 ± 4	1 ± 2
CD62E + CK14	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	5 ± 11	1 ± 2	10 ± 20	14 ± 38	1 ± 2
CD62E + c-myc	8 ± 13	12 ± 19	17 ± 29	5 ± 13	4 ± 13
CD62E + Collagen IV	8 ± 15	5 ± 15	16 ± 27	12 ± 23	8 ± 15
CD62E + FXIIIA	5 ± 12	6 ± 15	20 ± 38	1 ± 1	8 ± 21
CD62E + HLA-DR	17 ± 18	9 ± 15	25 ± 34	11 ± 18	9 ± 12
CD62E + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + IL-23R	8 ± 10	6 ± 13	6 ± 15	2 ± 3	2 ± 4
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 4
CD62E + PI	27 ± 33	13 ± 26	60 ± 95	43 ± 79	18 ± 30
CD62E + Podoplanin	0 ± 0	5 ± 15	0 ± 1	0 ± 0	0 ± 0
CD62E + SNA1	25 ± 33	18 ± 23	49 ± 70	17 ± 30	17 ± 26
CD62E + STAT3	1 ± 2	7 ± 15	1 ± 2	4 ± 11	0 ± 1
CD62E + TIA1	5 ± 10	5 ± 14	12 ± 35	11 ± 22	1 ± 1
CD62E + Vimentin	17 ± 20	11 ± 19	26 ± 32	12 ± 20	11 ± 18

Tabelle 488: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	37 ± 55	34 ± 56	38 ± 54	33 ± 56	33 ± 56
CD62P + BCL2	3 ± 4	3 ± 4	4 ± 7	1 ± 2	1 ± 2
CD62P + CCR6	12 ± 20	10 ± 16	11 ± 14	7 ± 15	7 ± 15
CD62P + CD11a	14 ± 36	2 ± 4	1 ± 3	2 ± 4	2 ± 3
CD62P + CD11b	21 ± 24	20 ± 25	18 ± 24	28 ± 46	14 ± 20
CD62P + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD120b	134 ± 362	30 ± 63	23 ± 35	12 ± 15	9 ± 15
CD62P + CD138	28 ± 43	18 ± 27	27 ± 38	13 ± 28	16 ± 29
CD62P + CD15	137 ± 353	34 ± 60	37 ± 75	28 ± 40	17 ± 24
CD62P + CD1a	0 ± 1	0 ± 0	2 ± 5	0 ± 0	0 ± 0
CD62P + CD2	6 ± 11	1 ± 3	1 ± 3	2 ± 3	2 ± 3
CD62P + CD207	1 ± 4	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62P + CD24	151 ± 384	39 ± 66	45 ± 67	31 ± 34	23 ± 31
CD62P + CD28	15 ± 32	3 ± 5	3 ± 5	6 ± 8	4 ± 6
CD62P + CD29	184 ± 337	85 ± 84	93 ± 91	65 ± 65	63 ± 68
CD62P + CD3	29 ± 76	4 ± 7	11 ± 27	2 ± 3	3 ± 5
CD62P + CD31	30 ± 48	28 ± 49	32 ± 48	45 ± 65	32 ± 49
CD62P + CD4	19 ± 29	12 ± 29	14 ± 29	14 ± 29	14 ± 29
CD62P + CD44	151 ± 351	51 ± 74	56 ± 83	33 ± 49	28 ± 51
CD62P + CD45	21 ± 56	1 ± 2	2 ± 2	2 ± 3	1 ± 2
CD62P + CD45RA	21 ± 35	14 ± 22	15 ± 21	11 ± 22	11 ± 22
CD62P + CD45RO	20 ± 34	13 ± 18	19 ± 26	9 ± 18	10 ± 19
CD62P + CD52	35 ± 73	12 ± 25	17 ± 27	10 ± 25	9 ± 25
CD62P + CD54	63 ± 90	37 ± 81	45 ± 79	55 ± 89	42 ± 80
CD62P + CD56	15 ± 23	13 ± 19	14 ± 18	11 ± 19	9 ± 19
CD62P + CD58	18 ± 28	17 ± 27	18 ± 26	15 ± 28	15 ± 27
CD62P + CD62E	21 ± 30	16 ± 28	25 ± 38	11 ± 27	16 ± 30
CD62P + CD68	36 ± 43	31 ± 45	36 ± 43	30 ± 46	34 ± 45
CD62P + CD7	11 ± 27	2 ± 4	2 ± 4	3 ± 4	3 ± 4
CD62P + CD8a	7 ± 17	2 ± 3	2 ± 3	1 ± 2	1 ± 2
CD62P + CK14	7 ± 15	5 ± 11	7 ± 11	4 ± 11	4 ± 11
CD62P + CLA	8 ± 21	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + c-myc	33 ± 58	33 ± 57	38 ± 57	27 ± 60	27 ± 60
CD62P + Collagen IV	30 ± 62	28 ± 63	31 ± 63	37 ± 66	28 ± 63
CD62P + FXIIIA	18 ± 21	14 ± 18	20 ± 21	10 ± 18	16 ± 21
CD62P + HLA-DR	124 ± 217	60 ± 59	58 ± 50	50 ± 47	44 ± 49
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	11 ± 11	9 ± 12	9 ± 14	4 ± 7	5 ± 7
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 1	1 ± 4
CD62P + PI	104 ± 219	30 ± 46	36 ± 45	27 ± 45	31 ± 44
CD62P + Podoplanin	14 ± 24	13 ± 19	12 ± 18	9 ± 19	8 ± 19
CD62P + SNA1	113 ± 185	69 ± 71	87 ± 83	56 ± 50	50 ± 49
CD62P + STAT3	25 ± 48	13 ± 18	26 ± 46	9 ± 18	8 ± 19
CD62P + TIA1	11 ± 17	9 ± 15	10 ± 14	8 ± 14	6 ± 14
CD62P + Vimentin	39 ± 46	35 ± 48	43 ± 48	46 ± 60	36 ± 48

Tabelle 489: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	216 ± 203	109 ± 132	148 ± 140	102 ± 128	118 ± 146
CD68 + BCL2	360 ± 331	165 ± 140	504 ± 673	566 ± 903	432 ± 538
CD68 + CCR6	400 ± 390	213 ± 305	310 ± 345	669 ± 752	387 ± 408
CD68 + CD11a	1004 ± 1288	556 ± 1300	1147 ± 1384	1523 ± 2377	1004 ± 1437
CD68 + CD11b	1888 ± 2194	1554 ± 2285	1830 ± 2185	1949 ± 2106	2749 ± 2422
CD68 + CD120a	17 ± 36	3 ± 4	13 ± 20	20 ± 48	32 ± 48
CD68 + CD120b	176 ± 222	55 ± 125	111 ± 140	99 ± 132	338 ± 562
CD68 + CD138	59 ± 107	53 ± 86	90 ± 123	57 ± 71	30 ± 59
CD68 + CD15	105 ± 137	40 ± 50	71 ± 108	131 ± 268	32 ± 32
CD68 + CD1a	22 ± 48	21 ± 53	9 ± 17	10 ± 17	8 ± 13
CD68 + CD2	1076 ± 1348	640 ± 1380	1130 ± 1349	1555 ± 2215	1363 ± 1696
CD68 + CD207	67 ± 98	34 ± 74	51 ± 75	40 ± 73	34 ± 74
CD68 + CD24	40 ± 19	22 ± 23	84 ± 137	96 ± 164	38 ± 26
CD68 + CD28	622 ± 744	279 ± 699	518 ± 727	820 ± 1249	841 ± 1139
CD68 + CD29	962 ± 574	635 ± 473	806 ± 396	782 ± 453	680 ± 531
CD68 + CD3	963 ± 1221	572 ± 1184	1101 ± 1263	1536 ± 2260	1457 ± 1894
CD68 + CD31	202 ± 162	178 ± 144	165 ± 150	175 ± 157	194 ± 192
CD68 + CD4	1328 ± 1338	800 ± 1475	1352 ± 1368	1794 ± 2403	1711 ± 1921
CD68 + CD44	2062 ± 1351	1770 ± 1517	2691 ± 1547	2696 ± 1655	2233 ± 1535
CD68 + CD45	959 ± 996	404 ± 877	963 ± 1008	1354 ± 2067	855 ± 1072
CD68 + CD45RA	487 ± 397	326 ± 441	490 ± 466	664 ± 793	447 ± 430
CD68 + CD45RO	613 ± 689	326 ± 709	818 ± 950	1030 ± 1436	998 ± 1365
CD68 + CD52	810 ± 1077	453 ± 1019	721 ± 1070	1288 ± 1804	931 ± 1205
CD68 + CD54	2067 ± 1719	879 ± 1400	1510 ± 1314	1708 ± 2140	1552 ± 1631
CD68 + CD56	348 ± 242	314 ± 231	414 ± 287	442 ± 258	355 ± 221
CD68 + CD58	198 ± 274	171 ± 286	166 ± 277	482 ± 1018	411 ± 517
CD68 + CD62E	8 ± 18	8 ± 19	12 ± 19	10 ± 20	10 ± 18
CD68 + CD62P	36 ± 43	31 ± 45	36 ± 43	30 ± 46	34 ± 45
CD68 + CD7	429 ± 613	274 ± 640	589 ± 708	861 ± 1243	548 ± 711
CD68 + CD8a	224 ± 379	188 ± 389	245 ± 381	399 ± 540	412 ± 529
CD68 + CK14	89 ± 175	91 ± 169	99 ± 169	80 ± 172	73 ± 173
CD68 + CLA	372 ± 303	188 ± 277	398 ± 333	471 ± 537	261 ± 266
CD68 + c-myc	343 ± 310	362 ± 381	381 ± 333	285 ± 305	221 ± 299
CD68 + Collagen IV	621 ± 553	688 ± 609	754 ± 556	646 ± 522	641 ± 578
CD68 + FXIIIA	1280 ± 787	1018 ± 848	1769 ± 1391	1653 ± 742	1679 ± 895
CD68 + HLA-DR	3247 ± 1873	2237 ± 2058	3458 ± 2246	3034 ± 1749	2879 ± 2073
CD68 + IL-22R	1 ± 4	1 ± 4	3 ± 4	5 ± 11	7 ± 8
CD68 + IL-23R	103 ± 145	100 ± 148	83 ± 100	125 ± 109	110 ± 125
CD68 + Ki67	9 ± 18	8 ± 17	13 ± 20	20 ± 22	7 ± 18
CD68 + PI	1855 ± 1347	1379 ± 1497	2049 ± 1437	2079 ± 1648	2009 ± 1536
CD68 + Podoplanin	161 ± 116	184 ± 124	126 ± 88	193 ± 133	127 ± 95
CD68 + SNA1	1493 ± 825	1314 ± 720	1760 ± 840	1301 ± 572	1138 ± 668
CD68 + STAT3	104 ± 163	81 ± 98	148 ± 195	119 ± 122	43 ± 69
CD68 + TIA1	196 ± 225	147 ± 237	173 ± 233	201 ± 233	187 ± 246
CD68 + Vimentin	3310 ± 2210	2499 ± 2347	3616 ± 2340	3490 ± 2285	2771 ± 2259

Tabelle 490: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	36 ± 41	23 ± 31	15 ± 24	23 ± 28	29 ± 44
CD7 + BCL2	771 ± 957	225 ± 301	1036 ± 1640	1241 ± 1784	1836 ± 3554
CD7 + CCR6	485 ± 530	207 ± 357	350 ± 378	1180 ± 1609	760 ± 1133
CD7 + CD11a	5118 ± 3644	2080 ± 2832	4607 ± 3954	7844 ± 9868	6400 ± 7775
CD7 + CD11b	1227 ± 1304	944 ± 1388	984 ± 1357	1330 ± 1277	2611 ± 2891
CD7 + CD120a	14 ± 21	2 ± 4	14 ± 26	19 ± 29	70 ± 152
CD7 + CD120b	976 ± 1415	213 ± 392	549 ± 604	634 ± 697	3034 ± 6283
CD7 + CD138	16 ± 35	5 ± 8	8 ± 9	13 ± 18	10 ± 11
CD7 + CD15	131 ± 194	18 ± 28	39 ± 57	81 ± 113	28 ± 39
CD7 + CD1a	44 ± 57	33 ± 63	31 ± 40	45 ± 39	135 ± 187
CD7 + CD2	4893 ± 3534	1962 ± 2851	4101 ± 3502	6397 ± 6733	6692 ± 8981
CD7 + CD207	145 ± 170	86 ± 159	201 ± 224	192 ± 218	275 ± 301
CD7 + CD24	136 ± 183	83 ± 93	107 ± 84	233 ± 210	221 ± 262
CD7 + CD28	4192 ± 3268	1309 ± 2218	2814 ± 2778	5532 ± 6671	5943 ± 8739
CD7 + CD29	652 ± 528	244 ± 201	318 ± 168	707 ± 795	409 ± 363
CD7 + CD3	5399 ± 3855	2330 ± 3102	4935 ± 4188	8619 ± 9575	7553 ± 9740
CD7 + CD31	27 ± 27	43 ± 63	25 ± 21	78 ± 113	58 ± 71
CD7 + CD4	4355 ± 3129	1800 ± 2763	3745 ± 3209	6773 ± 8103	6576 ± 9181
CD7 + CD44	3864 ± 2240	1960 ± 2249	4507 ± 3621	7482 ± 7624	4858 ± 3945
CD7 + CD45	4915 ± 3733	1694 ± 2477	4095 ± 3504	7657 ± 9190	6014 ± 7882
CD7 + CD45RA	1414 ± 846	680 ± 827	1037 ± 794	1816 ± 2012	1785 ± 2114
CD7 + CD45RO	2786 ± 2650	831 ± 1648	2550 ± 2831	4541 ± 5805	5082 ± 8875
CD7 + CD52	3833 ± 3222	1275 ± 2387	2725 ± 3161	5829 ± 7613	5729 ± 8823
CD7 + CD54	3922 ± 3112	1442 ± 2090	2620 ± 2294	5630 ± 7301	4139 ± 4897
CD7 + CD56	171 ± 154	49 ± 54	197 ± 204	145 ± 211	124 ± 78
CD7 + CD58	358 ± 405	224 ± 368	223 ± 364	1687 ± 4264	2285 ± 4253
CD7 + CD62E	2 ± 6	0 ± 1	2 ± 3	1 ± 2	2 ± 3
CD7 + CD62P	11 ± 27	2 ± 4	2 ± 4	3 ± 4	3 ± 4
CD7 + CD68	429 ± 613	274 ± 640	589 ± 708	861 ± 1243	548 ± 711
CD7 + CD8a	1931 ± 1482	1161 ± 1541	1811 ± 1599	3140 ± 2879	4036 ± 5843
CD7 + CK14	8 ± 15	3 ± 5	10 ± 15	12 ± 21	5 ± 7
CD7 + CLA	1292 ± 1013	537 ± 538	1091 ± 895	1807 ± 1630	1242 ± 930
CD7 + c-myc	65 ± 84	26 ± 47	54 ± 59	57 ± 71	28 ± 47
CD7 + Collagen IV	281 ± 197	229 ± 240	455 ± 403	729 ± 644	441 ± 463
CD7 + FXIIIA	91 ± 76	50 ± 50	195 ± 185	342 ± 460	266 ± 262
CD7 + HLA-DR	3706 ± 2162	1805 ± 2022	3447 ± 2647	5712 ± 5333	4173 ± 3238
CD7 + IL-22R	3 ± 4	2 ± 3	2 ± 3	25 ± 68	23 ± 44
CD7 + IL-23R	7 ± 13	2 ± 4	8 ± 17	21 ± 53	27 ± 46
CD7 + Ki67	3 ± 3	2 ± 4	22 ± 52	6 ± 7	4 ± 5
CD7 + PI	4132 ± 2829	1869 ± 2678	4047 ± 3332	6566 ± 6512	5449 ± 5622
CD7 + Podoplanin	89 ± 88	124 ± 267	39 ± 69	154 ± 282	81 ± 112
CD7 + SNA1	624 ± 490	342 ± 278	929 ± 891	717 ± 543	579 ± 325
CD7 + STAT3	20 ± 42	5 ± 8	9 ± 13	25 ± 41	5 ± 8
CD7 + TIA1	770 ± 531	402 ± 578	610 ± 567	785 ± 701	1052 ± 1099
CD7 + Vimentin	1855 ± 1374	809 ± 1298	2151 ± 2024	3068 ± 3452	1489 ± 1316

Tabelle 491: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	19 ± 26	10 ± 21	10 ± 22	10 ± 21	11 ± 21
CD8a + BCL2	322 ± 340	183 ± 147	457 ± 668	503 ± 600	1437 ± 3012
CD8a + CCR6	268 ± 284	151 ± 202	191 ± 204	528 ± 582	490 ± 742
CD8a + CD11a	3381 ± 2123	1859 ± 2101	2925 ± 2268	3915 ± 3754	4899 ± 5991
CD8a + CD11b	751 ± 906	722 ± 932	677 ± 945	859 ± 878	1987 ± 2342
CD8a + CD120a	14 ± 34	2 ± 2	2 ± 2	6 ± 7	50 ± 128
CD8a + CD120b	364 ± 421	149 ± 212	167 ± 213	244 ± 251	2008 ± 4419
CD8a + CD138	8 ± 13	7 ± 11	7 ± 10	5 ± 9	6 ± 9
CD8a + CD15	50 ± 72	9 ± 7	33 ± 65	66 ± 167	9 ± 10
CD8a + CD1a	20 ± 23	39 ± 84	16 ± 24	22 ± 28	53 ± 62
CD8a + CD2	3186 ± 1910	1773 ± 2093	2677 ± 2049	3489 ± 2720	5556 ± 7542
CD8a + CD207	45 ± 79	55 ± 97	52 ± 76	68 ± 90	127 ± 140
CD8a + CD24	86 ± 98	82 ± 58	93 ± 78	147 ± 97	159 ± 154
CD8a + CD28	2032 ± 1534	823 ± 1398	1296 ± 1401	2188 ± 2221	4035 ± 6580
CD8a + CD29	294 ± 115	180 ± 132	190 ± 103	322 ± 264	253 ± 148
CD8a + CD3	3435 ± 2239	2137 ± 2138	3014 ± 2332	4187 ± 3576	6008 ± 8203
CD8a + CD31	6 ± 11	9 ± 13	6 ± 10	15 ± 29	36 ± 78
CD8a + CD4	1987 ± 1556	1150 ± 1772	1551 ± 1633	2702 ± 2737	4460 ± 7014
CD8a + CD44	2440 ± 1158	1876 ± 1333	2770 ± 1645	3727 ± 2562	3425 ± 2255
CD8a + CD45	2884 ± 1820	1374 ± 1687	2439 ± 2009	3598 ± 3455	4530 ± 6216
CD8a + CD45RA	858 ± 584	545 ± 642	720 ± 626	954 ± 827	1419 ± 1777
CD8a + CD45RO	1344 ± 1181	540 ± 1033	1257 ± 1371	1890 ± 2168	3792 ± 7164
CD8a + CD52	2346 ± 1919	1078 ± 1773	1770 ± 2016	2688 ± 2876	4353 ± 7123
CD8a + CD54	2090 ± 1462	1053 ± 1255	1300 ± 1194	2278 ± 2297	2739 ± 3413
CD8a + CD56	85 ± 86	43 ± 50	65 ± 43	56 ± 50	77 ± 52
CD8a + CD58	246 ± 343	194 ± 300	150 ± 286	660 ± 1448	1506 ± 3018
CD8a + CD62E	2 ± 3	0 ± 1	5 ± 10	2 ± 4	1 ± 2
CD8a + CD62P	7 ± 17	2 ± 3	2 ± 3	1 ± 2	1 ± 2
CD8a + CD68	224 ± 379	188 ± 389	245 ± 381	399 ± 540	412 ± 529
CD8a + CD7	1931 ± 1482	1161 ± 1541	1811 ± 1599	3140 ± 2879	4036 ± 5843
CD8a + CK14	4 ± 7	3 ± 7	7 ± 8	6 ± 7	5 ± 7
CD8a + CLA	1063 ± 475	808 ± 467	962 ± 568	1374 ± 576	1315 ± 822
CD8a + c-myc	43 ± 54	37 ± 56	46 ± 55	46 ± 67	37 ± 56
CD8a + Collagen IV	265 ± 272	260 ± 262	325 ± 241	431 ± 308	332 ± 249
CD8a + FXIIIA	75 ± 49	78 ± 69	134 ± 126	141 ± 137	225 ± 242
CD8a + HLA-DR	2565 ± 1293	1864 ± 1407	2361 ± 1481	3017 ± 1705	3211 ± 2025
CD8a + IL-22R	5 ± 9	2 ± 3	2 ± 3	16 ± 41	21 ± 41
CD8a + IL-23R	8 ± 21	5 ± 8	3 ± 6	8 ± 18	16 ± 30
CD8a + Ki67	1 ± 1	1 ± 1	6 ± 16	1 ± 1	3 ± 8
CD8a + PI	3090 ± 2184	1826 ± 2374	2769 ± 2365	3519 ± 2786	4551 ± 4865
CD8a + Podoplanin	35 ± 48	87 ± 191	23 ± 49	53 ± 78	40 ± 70
CD8a + SNA1	391 ± 301	353 ± 136	451 ± 274	375 ± 165	368 ± 133
CD8a + STAT3	9 ± 17	5 ± 9	6 ± 12	7 ± 12	2 ± 4
CD8a + TIA1	740 ± 622	428 ± 692	649 ± 649	746 ± 680	1135 ± 1229
CD8a + Vimentin	1053 ± 881	740 ± 924	1111 ± 984	1441 ± 1325	980 ± 905

Tabelle 492: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	31 ± 68	12 ± 26	33 ± 50	9 ± 25	8 ± 25
CK14 + BCL2	12 ± 32	16 ± 32	22 ± 39	13 ± 32	13 ± 32
CK14 + CCR6	30 ± 65	11 ± 24	32 ± 48	10 ± 24	10 ± 24
CK14 + CD11a	5 ± 6	3 ± 5	10 ± 17	21 ± 39	6 ± 7
CK14 + CD11b	11 ± 21	11 ± 21	15 ± 22	13 ± 21	14 ± 21
CK14 + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 4
CK14 + CD120b	2 ± 4	1 ± 1	1 ± 1	1 ± 2	3 ± 8
CK14 + CD138	50 ± 82	57 ± 98	66 ± 79	29 ± 61	28 ± 61
CK14 + CD15	10 ± 28	3 ± 7	2 ± 4	3 ± 3	1 ± 1
CK14 + CD1a	1 ± 2	3 ± 8	1 ± 3	0 ± 0	0 ± 1
CK14 + CD2	8 ± 16	7 ± 16	9 ± 16	11 ± 16	11 ± 18
CK14 + CD207	4 ± 13	0 ± 1	2 ± 5	1 ± 2	0 ± 0
CK14 + CD24	3 ± 8	1 ± 1	1 ± 3	2 ± 3	2 ± 3
CK14 + CD28	6 ± 8	3 ± 6	4 ± 5	6 ± 6	7 ± 10
CK14 + CD29	58 ± 75	46 ± 50	93 ± 118	45 ± 51	37 ± 53
CK14 + CD3	8 ± 12	5 ± 6	13 ± 22	14 ± 15	18 ± 33
CK14 + CD31	3 ± 5	1 ± 3	4 ± 5	2 ± 3	1 ± 3
CK14 + CD4	13 ± 23	10 ± 23	14 ± 24	13 ± 22	17 ± 25
CK14 + CD44	67 ± 104	81 ± 106	106 ± 150	93 ± 107	90 ± 115
CK14 + CD45	9 ± 13	3 ± 5	8 ± 10	12 ± 15	4 ± 6
CK14 + CD45RA	31 ± 59	14 ± 27	34 ± 46	13 ± 27	14 ± 27
CK14 + CD45RO	31 ± 68	11 ± 25	36 ± 53	14 ± 25	14 ± 27
CK14 + CD52	15 ± 35	4 ± 7	13 ± 18	4 ± 6	5 ± 10
CK14 + CD54	9 ± 15	5 ± 8	7 ± 12	10 ± 15	12 ± 27
CK14 + CD56	34 ± 67	16 ± 25	38 ± 50	12 ± 25	13 ± 25
CK14 + CD58	43 ± 68	32 ± 56	41 ± 57	28 ± 57	28 ± 57
CK14 + CD62E	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	7 ± 15	5 ± 11	7 ± 11	4 ± 11	4 ± 11
CK14 + CD68	89 ± 175	91 ± 169	99 ± 169	80 ± 172	73 ± 173
CK14 + CD7	8 ± 15	3 ± 5	10 ± 15	12 ± 21	5 ± 7
CK14 + CD8a	4 ± 7	3 ± 7	7 ± 8	6 ± 7	5 ± 7
CK14 + CLA	7 ± 12	5 ± 12	12 ± 20	11 ± 13	6 ± 11
CK14 + c-myc	146 ± 163	254 ± 288	200 ± 200	221 ± 232	165 ± 161
CK14 + Collagen IV	140 ± 273	238 ± 292	172 ± 268	242 ± 288	173 ± 270
CK14 + FXIIIA	39 ± 68	19 ± 32	42 ± 50	19 ± 32	19 ± 31
CK14 + HLA-DR	147 ± 204	147 ± 203	175 ± 207	154 ± 204	152 ± 207
CK14 + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CK14 + IL-23R	12 ± 27	14 ± 27	16 ± 28	11 ± 27	10 ± 27
CK14 + Ki67	1 ± 2	2 ± 5	3 ± 6	2 ± 4	1 ± 2
CK14 + PI	93 ± 163	113 ± 166	113 ± 169	102 ± 160	98 ± 161
CK14 + Podoplanin	32 ± 64	14 ± 25	26 ± 34	12 ± 25	11 ± 26
CK14 + SNA1	225 ± 363	368 ± 431	317 ± 390	305 ± 366	248 ± 357
CK14 + STAT3	31 ± 68	23 ± 46	33 ± 51	11 ± 25	8 ± 25
CK14 + TIA1	22 ± 47	10 ± 22	16 ± 23	8 ± 22	8 ± 22
CK14 + Vimentin	61 ± 97	77 ± 104	97 ± 124	77 ± 100	54 ± 94

Tabelle 493: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	17 ± 19	6 ± 8	7 ± 8	9 ± 14	6 ± 8
CLA + BCL2	409 ± 459	163 ± 127	491 ± 703	424 ± 441	422 ± 504
CLA + CCR6	299 ± 392	133 ± 146	191 ± 178	419 ± 404	233 ± 192
CLA + CD11a	2830 ± 2268	1029 ± 842	2017 ± 1472	2492 ± 2239	1847 ± 1094
CLA + CD11b	974 ± 510	550 ± 501	703 ± 524	927 ± 693	965 ± 437
CLA + CD120a	6 ± 8	1 ± 2	10 ± 20	8 ± 15	13 ± 25
CLA + CD120b	371 ± 618	85 ± 108	175 ± 185	190 ± 202	577 ± 976
CLA + CD138	20 ± 51	5 ± 10	6 ± 8	5 ± 9	9 ± 20
CLA + CD15	288 ± 533	22 ± 25	153 ± 343	290 ± 755	26 ± 29
CLA + CD1a	62 ± 136	33 ± 72	19 ± 26	33 ± 29	102 ± 168
CLA + CD2	2651 ± 2058	1012 ± 829	1823 ± 1248	2164 ± 1280	2085 ± 1370
CLA + CD207	245 ± 396	57 ± 83	181 ± 230	118 ± 127	174 ± 212
CLA + CD24	156 ± 231	45 ± 30	146 ± 297	245 ± 502	63 ± 40
CLA + CD28	1660 ± 1764	381 ± 509	817 ± 798	1266 ± 1287	1227 ± 1313
CLA + CD29	395 ± 326	144 ± 120	180 ± 98	307 ± 325	168 ± 130
CLA + CD3	2655 ± 2355	1111 ± 795	1848 ± 1300	2579 ± 1954	2184 ± 1692
CLA + CD31	5 ± 6	4 ± 6	4 ± 5	41 ± 112	10 ± 17
CLA + CD4	2112 ± 1462	787 ± 897	1467 ± 978	1994 ± 1595	1766 ± 1469
CLA + CD44	2486 ± 1311	1349 ± 661	2456 ± 1526	2919 ± 1893	2085 ± 605
CLA + CD45	2533 ± 2563	652 ± 572	1528 ± 1260	2110 ± 1926	1441 ± 946
CLA + CD45RA	1223 ± 881	400 ± 311	729 ± 512	865 ± 717	667 ± 380
CLA + CD45RO	1234 ± 1350	286 ± 470	1078 ± 1391	1252 ± 1522	1176 ± 1462
CLA + CD52	1912 ± 2054	545 ± 692	1086 ± 1249	1658 ± 1865	1312 ± 1301
CLA + CD54	2463 ± 2640	561 ± 526	1048 ± 729	1621 ± 1777	1086 ± 786
CLA + CD56	74 ± 37	36 ± 28	79 ± 65	64 ± 43	52 ± 29
CLA + CD58	114 ± 129	105 ± 149	84 ± 136	340 ± 705	453 ± 636
CLA + CD62E	5 ± 11	1 ± 2	10 ± 20	14 ± 38	1 ± 2
CLA + CD62P	8 ± 21	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CLA + CD68	372 ± 303	188 ± 277	398 ± 333	471 ± 537	261 ± 266
CLA + CD7	1292 ± 1013	537 ± 538	1091 ± 895	1807 ± 1630	1242 ± 930
CLA + CD8a	1063 ± 475	808 ± 467	962 ± 568	1374 ± 576	1315 ± 822
CLA + CK14	7 ± 12	5 ± 12	12 ± 20	11 ± 13	6 ± 11
CLA + c-myc	39 ± 32	23 ± 29	35 ± 30	48 ± 62	24 ± 24
CLA + Collagen IV	199 ± 137	140 ± 103	238 ± 168	314 ± 267	166 ± 100
CLA + FXIIIA	136 ± 84	75 ± 52	225 ± 315	162 ± 135	147 ± 112
CLA + HLA-DR	2961 ± 1730	1333 ± 734	2308 ± 1593	2425 ± 1545	1896 ± 614
CLA + IL-22R	2 ± 2	1 ± 2	2 ± 2	5 ± 12	6 ± 10
CLA + IL-23R	19 ± 37	6 ± 6	13 ± 25	22 ± 43	13 ± 16
CLA + Ki67	7 ± 18	1 ± 3	16 ± 42	5 ± 9	2 ± 3
CLA + PI	2644 ± 1802	976 ± 810	1940 ± 1372	2341 ± 1678	1804 ± 851
CLA + Podoplanin	51 ± 43	51 ± 71	22 ± 21	64 ± 82	30 ± 29
CLA + SNA1	529 ± 554	260 ± 110	547 ± 552	380 ± 283	263 ± 74
CLA + STAT3	20 ± 33	8 ± 14	11 ± 13	21 ± 36	4 ± 9
CLA + TIA1	367 ± 332	148 ± 206	267 ± 259	395 ± 400	333 ± 250
CLA + Vimentin	1608 ± 1008	706 ± 593	1522 ± 1218	1466 ± 980	947 ± 532

Tabelle 494: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	257 ± 406	225 ± 398	252 ± 379	181 ± 382	162 ± 386
c-myc + BCL2	178 ± 203	131 ± 154	145 ± 92	92 ± 85	85 ± 88
c-myc + CCR6	83 ± 153	120 ± 229	82 ± 95	97 ± 180	34 ± 51
c-myc + CD11a	110 ± 123	57 ± 116	81 ± 115	152 ± 215	63 ± 116
c-myc + CD11b	194 ± 255	167 ± 264	158 ± 268	191 ± 261	187 ± 260
c-myc + CD120a	4 ± 4	2 ± 2	3 ± 6	16 ± 40	8 ± 10
c-myc + CD120b	21 ± 27	11 ± 19	10 ± 14	8 ± 13	15 ± 22
c-myc + CD138	79 ± 150	169 ± 385	103 ± 112	45 ± 73	31 ± 63
c-myc + CD15	31 ± 45	37 ± 87	12 ± 15	47 ± 80	9 ± 14
c-myc + CD1a	2 ± 2	4 ± 10	2 ± 4	1 ± 2	4 ± 6
c-myc + CD2	106 ± 120	49 ± 98	66 ± 98	71 ± 106	56 ± 98
c-myc + CD207	7 ± 17	5 ± 10	3 ± 4	4 ± 6	4 ± 9
c-myc + CD24	21 ± 37	13 ± 20	13 ± 16	19 ± 34	9 ± 12
c-myc + CD28	86 ± 103	27 ± 62	42 ± 63	53 ± 75	37 ± 63
c-myc + CD29	698 ± 784	489 ± 658	696 ± 705	420 ± 676	363 ± 686
c-myc + CD3	134 ± 165	70 ± 97	129 ± 150	132 ± 200	83 ± 112
c-myc + CD31	163 ± 264	139 ± 263	153 ± 254	96 ± 254	94 ± 255
c-myc + CD4	191 ± 302	121 ± 294	164 ± 285	168 ± 313	130 ± 292
c-myc + CD44	503 ± 458	581 ± 732	423 ± 363	474 ± 451	376 ± 368
c-myc + CD45	113 ± 129	28 ± 52	44 ± 54	101 ± 164	31 ± 52
c-myc + CD45RA	119 ± 142	166 ± 247	120 ± 112	110 ± 118	76 ± 96
c-myc + CD45RO	108 ± 188	95 ± 163	119 ± 125	97 ± 145	65 ± 73
c-myc + CD52	111 ± 145	77 ± 146	69 ± 110	86 ± 135	42 ± 105
c-myc + CD54	610 ± 845	339 ± 785	470 ± 784	366 ± 785	322 ± 792
c-myc + CD56	173 ± 284	261 ± 490	188 ± 175	167 ± 213	94 ± 107
c-myc + CD58	137 ± 213	125 ± 212	118 ± 204	140 ± 228	111 ± 206
c-myc + CD62E	8 ± 13	12 ± 19	17 ± 29	5 ± 13	4 ± 13
c-myc + CD62P	33 ± 58	33 ± 57	38 ± 57	27 ± 60	27 ± 60
c-myc + CD68	343 ± 310	362 ± 381	381 ± 333	285 ± 305	221 ± 299
c-myc + CD7	65 ± 84	26 ± 47	54 ± 59	57 ± 71	28 ± 47
c-myc + CD8a	43 ± 54	37 ± 56	46 ± 55	46 ± 67	37 ± 56
c-myc + CK14	146 ± 163	254 ± 288	200 ± 200	221 ± 232	165 ± 161
c-myc + CLA	39 ± 32	23 ± 29	35 ± 30	48 ± 62	24 ± 24
c-myc + Collagen IV	1640 ± 1735	1427 ± 1755	1917 ± 1970	1570 ± 1709	1315 ± 1759
c-myc + FXIIIA	233 ± 180	342 ± 493	279 ± 219	212 ± 223	130 ± 75
c-myc + HLA-DR	874 ± 819	744 ± 819	731 ± 743	600 ± 736	537 ± 728
c-myc + IL-22R	4 ± 7	4 ± 7	4 ± 7	4 ± 7	4 ± 7
c-myc + IL-23R	37 ± 25	73 ± 116	36 ± 29	40 ± 17	23 ± 23
c-myc + Ki67	21 ± 37	13 ± 34	17 ± 35	16 ± 34	12 ± 34
c-myc + PI	657 ± 553	546 ± 477	491 ± 393	420 ± 393	334 ± 400
c-myc + Podoplanin	90 ± 147	188 ± 327	75 ± 84	92 ± 132	37 ± 70
c-myc + SNA1	2016 ± 1489	1586 ± 1306	2001 ± 1487	1255 ± 1054	1251 ± 1076
c-myc + STAT3	98 ± 190	243 ± 570	123 ± 137	78 ± 131	34 ± 63
c-myc + TIA1	65 ± 79	88 ± 132	54 ± 55	57 ± 55	37 ± 55
c-myc + Vimentin	802 ± 808	828 ± 1016	721 ± 798	555 ± 764	464 ± 772

Tabelle 495: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	529 ± 743	329 ± 661	361 ± 651	323 ± 665	364 ± 664
Collagen IV + BCL2	96 ± 85	66 ± 73	176 ± 200	128 ± 138	109 ± 90
Collagen IV + CCR6	24 ± 34	23 ± 37	25 ± 35	95 ± 114	24 ± 34
Collagen IV + CD11a	575 ± 565	380 ± 497	783 ± 726	1060 ± 1339	654 ± 734
Collagen IV + CD11b	651 ± 668	641 ± 680	647 ± 669	909 ± 685	1013 ± 850
Collagen IV + CD120a	52 ± 107	8 ± 11	18 ± 24	47 ± 99	22 ± 15
Collagen IV + CD120b	169 ± 139	172 ± 146	175 ± 117	215 ± 152	260 ± 184
Collagen IV + CD138	18 ± 25	36 ± 60	18 ± 18	23 ± 29	21 ± 19
Collagen IV + CD15	105 ± 151	34 ± 39	52 ± 58	182 ± 399	39 ± 41
Collagen IV + CD1a	6 ± 10	15 ± 43	7 ± 14	2 ± 3	13 ± 20
Collagen IV + CD2	543 ± 376	355 ± 417	611 ± 450	769 ± 619	621 ± 388
Collagen IV + CD207	17 ± 31	20 ± 34	30 ± 52	23 ± 34	24 ± 37
Collagen IV + CD24	140 ± 90	165 ± 118	193 ± 102	317 ± 238	242 ± 299
Collagen IV + CD28	454 ± 334	215 ± 354	363 ± 347	624 ± 617	646 ± 649
Collagen IV + CD29	2217 ± 888	1576 ± 1011	2038 ± 869	2256 ± 1133	1873 ± 1328
Collagen IV + CD3	755 ± 526	707 ± 549	1025 ± 633	1401 ± 1189	1094 ± 810
Collagen IV + CD31	382 ± 319	365 ± 326	352 ± 342	627 ± 756	458 ± 366
Collagen IV + CD4	1106 ± 940	762 ± 1077	1182 ± 973	1430 ± 1322	1309 ± 1035
Collagen IV + CD44	2313 ± 1172	2744 ± 1506	3341 ± 1445	3882 ± 1887	2965 ± 1669
Collagen IV + CD45	418 ± 271	220 ± 255	530 ± 499	891 ± 1055	425 ± 309
Collagen IV + CD45RA	329 ± 381	262 ± 386	332 ± 379	384 ± 367	293 ± 376
Collagen IV + CD45RO	197 ± 215	92 ± 169	327 ± 355	427 ± 561	262 ± 286
Collagen IV + CD52	476 ± 504	311 ± 522	475 ± 565	811 ± 979	623 ± 665
Collagen IV + CD54	2770 ± 1800	1683 ± 1817	2127 ± 1656	2629 ± 2219	2193 ± 2000
Collagen IV + CD56	1009 ± 636	973 ± 572	1221 ± 549	1160 ± 575	1097 ± 674
Collagen IV + CD58	333 ± 388	363 ± 516	231 ± 392	640 ± 1180	600 ± 626
Collagen IV + CD62E	8 ± 15	5 ± 15	16 ± 27	12 ± 23	8 ± 15
Collagen IV + CD62P	30 ± 62	28 ± 63	31 ± 63	37 ± 66	28 ± 63
Collagen IV + CD68	621 ± 553	688 ± 609	754 ± 556	646 ± 522	641 ± 578
Collagen IV + CD7	281 ± 197	229 ± 240	455 ± 403	729 ± 644	441 ± 463
Collagen IV + CD8a	265 ± 272	260 ± 262	325 ± 241	431 ± 308	332 ± 249
Collagen IV + CK14	140 ± 273	238 ± 292	172 ± 268	242 ± 288	173 ± 270
Collagen IV + CLA	199 ± 137	140 ± 103	238 ± 168	314 ± 267	166 ± 100
Collagen IV + c-myc	1640 ± 1735	1427 ± 1755	1917 ± 1970	1570 ± 1709	1315 ± 1759
Collagen IV + FXIIIA	257 ± 319	298 ± 304	500 ± 555	396 ± 298	610 ± 727
Collagen IV + HLA-DR	3725 ± 1939	3154 ± 1624	3792 ± 1396	4042 ± 2011	3473 ± 2283
Collagen IV + IL-22R	2 ± 3	1 ± 2	1 ± 2	6 ± 13	6 ± 7
Collagen IV + IL-23R	19 ± 32	22 ± 42	9 ± 10	17 ± 34	10 ± 10
Collagen IV + Ki67	13 ± 24	9 ± 23	14 ± 22	20 ± 31	14 ± 23
Collagen IV + PI	2127 ± 1127	1680 ± 1175	2468 ± 1208	2857 ± 1582	2442 ± 1774
Collagen IV + Podoplanin	96 ± 102	146 ± 204	114 ± 109	242 ± 428	96 ± 112
Collagen IV + SNA1	4957 ± 2968	3834 ± 1247	5182 ± 2823	4423 ± 1744	3956 ± 1823
Collagen IV + STAT3	13 ± 16	37 ± 83	16 ± 21	11 ± 13	9 ± 13
Collagen IV + TIA1	109 ± 138	87 ± 127	104 ± 122	125 ± 139	85 ± 124
Collagen IV + Vimentin	1852 ± 1493	1552 ± 1500	2257 ± 1487	2383 ± 1643	1639 ± 1367

Tabelle 496: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	134 ± 192	104 ± 170	112 ± 125	66 ± 98	73 ± 101
FXIIIA + BCL2	214 ± 278	120 ± 122	550 ± 760	278 ± 339	321 ± 335
FXIIIA + CCR6	250 ± 235	215 ± 177	225 ± 190	433 ± 446	252 ± 155
FXIIIA + CD11a	198 ± 73	129 ± 92	421 ± 425	590 ± 960	434 ± 359
FXIIIA + CD11b	2164 ± 1843	2046 ± 1921	2090 ± 1842	2544 ± 2025	3275 ± 1969
FXIIIA + CD120a	10 ± 9	8 ± 10	8 ± 10	11 ± 13	20 ± 28
FXIIIA + CD120b	32 ± 39	27 ± 27	29 ± 27	23 ± 18	148 ± 251
FXIIIA + CD138	87 ± 156	127 ± 236	136 ± 157	59 ± 93	47 ± 88
FXIIIA + CD15	107 ± 168	40 ± 79	158 ± 375	72 ± 125	26 ± 30
FXIIIA + CD1a	2 ± 3	9 ± 26	2 ± 4	1 ± 1	3 ± 5
FXIIIA + CD2	276 ± 173	195 ± 198	468 ± 377	619 ± 866	801 ± 891
FXIIIA + CD207	13 ± 24	6 ± 15	7 ± 14	10 ± 17	6 ± 8
FXIIIA + CD24	42 ± 53	34 ± 34	157 ± 321	37 ± 37	38 ± 40
FXIIIA + CD28	152 ± 114	65 ± 85	177 ± 164	328 ± 557	506 ± 662
FXIIIA + CD29	358 ± 301	339 ± 286	408 ± 349	411 ± 350	443 ± 562
FXIIIA + CD3	257 ± 123	222 ± 172	479 ± 464	646 ± 897	929 ± 1271
FXIIIA + CD31	12 ± 13	16 ± 11	47 ± 86	24 ± 38	47 ± 83
FXIIIA + CD4	569 ± 670	450 ± 723	689 ± 652	975 ± 1179	1215 ± 1139
FXIIIA + CD44	1580 ± 1128	1871 ± 1173	2892 ± 2013	2611 ± 1685	2631 ± 1514
FXIIIA + CD45	282 ± 205	123 ± 113	411 ± 479	589 ± 911	457 ± 465
FXIIIA + CD45RA	226 ± 159	308 ± 175	339 ± 231	298 ± 160	301 ± 124
FXIIIA + CD45RO	212 ± 208	146 ± 161	507 ± 680	450 ± 601	570 ± 806
FXIIIA + CD52	232 ± 197	183 ± 259	338 ± 428	539 ± 752	532 ± 735
FXIIIA + CD54	909 ± 709	518 ± 605	677 ± 546	896 ± 869	1098 ± 881
FXIIIA + CD56	366 ± 281	538 ± 337	531 ± 351	515 ± 298	503 ± 365
FXIIIA + CD58	56 ± 74	74 ± 88	61 ± 55	215 ± 537	239 ± 313
FXIIIA + CD62E	5 ± 12	6 ± 15	20 ± 38	1 ± 1	8 ± 21
FXIIIA + CD62P	18 ± 21	14 ± 18	20 ± 21	10 ± 18	16 ± 21
FXIIIA + CD68	1280 ± 787	1018 ± 848	1769 ± 1391	1653 ± 742	1679 ± 895
FXIIIA + CD7	91 ± 76	50 ± 50	195 ± 185	342 ± 460	266 ± 262
FXIIIA + CD8a	75 ± 49	78 ± 69	134 ± 126	141 ± 137	225 ± 242
FXIIIA + CK14	39 ± 68	19 ± 32	42 ± 50	19 ± 32	19 ± 31
FXIIIA + CLA	136 ± 84	75 ± 52	225 ± 315	162 ± 135	147 ± 112
FXIIIA + c-myc	233 ± 180	342 ± 493	279 ± 219	212 ± 223	130 ± 75
FXIIIA + Collagen IV	257 ± 319	298 ± 304	500 ± 555	396 ± 298	610 ± 727
FXIIIA + HLA-DR	4135 ± 2896	4392 ± 2893	5375 ± 3288	4773 ± 3096	4711 ± 3122
FXIIIA + IL-22R	1 ± 2	1 ± 2	2 ± 2	5 ± 12	9 ± 14
FXIIIA + IL-23R	115 ± 95	205 ± 388	137 ± 176	156 ± 120	142 ± 130
FXIIIA + Ki67	3 ± 6	1 ± 2	6 ± 11	17 ± 21	3 ± 4
FXIIIA + PI	1880 ± 992	1499 ± 1062	2531 ± 1576	2270 ± 1220	2648 ± 1350
FXIIIA + Podoplanin	153 ± 162	335 ± 336	136 ± 107	184 ± 170	110 ± 96
FXIIIA + SNA1	1398 ± 1278	2253 ± 1360	2251 ± 1266	1836 ± 1341	1626 ± 1284
FXIIIA + STAT3	145 ± 243	202 ± 332	240 ± 269	142 ± 156	59 ± 116
FXIIIA + TIA1	131 ± 114	103 ± 107	194 ± 255	120 ± 78	95 ± 36
FXIIIA + Vimentin	2484 ± 1156	2395 ± 1074	3472 ± 1950	3456 ± 1570	2941 ± 1121

Tabelle 497: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	361 ± 354	198 ± 167	182 ± 150	168 ± 160	169 ± 167
HLA-DR + BCL2	1174 ± 1275	508 ± 534	1538 ± 2455	988 ± 989	1120 ± 1434
HLA-DR + CCR6	1061 ± 1041	533 ± 433	683 ± 562	1406 ± 1368	926 ± 816
HLA-DR + CD11a	9212 ± 6724	3831 ± 3431	7287 ± 5774	8447 ± 8387	6659 ± 4240
HLA-DR + CD11b	7428 ± 3749	6539 ± 4349	6395 ± 4461	7335 ± 4067	9392 ± 2720
HLA-DR + CD120a	259 ± 534	43 ± 48	74 ± 84	135 ± 256	167 ± 263
HLA-DR + CD120b	2317 ± 1920	1299 ± 586	1193 ± 668	1332 ± 728	3014 ± 3517
HLA-DR + CD138	146 ± 225	137 ± 182	132 ± 121	87 ± 115	80 ± 114
HLA-DR + CD15	720 ± 719	236 ± 198	385 ± 470	426 ± 535	210 ± 175
HLA-DR + CD1a	106 ± 163	528 ± 1522	46 ± 54	45 ± 38	214 ± 318
HLA-DR + CD2	7111 ± 5060	3350 ± 3427	5310 ± 3695	6278 ± 3995	6640 ± 4973
HLA-DR + CD207	352 ± 368	484 ± 994	380 ± 475	264 ± 247	410 ± 394
HLA-DR + CD24	1580 ± 1410	1280 ± 534	1362 ± 635	1482 ± 585	1612 ± 1308
HLA-DR + CD28	5806 ± 4795	1950 ± 2511	3265 ± 3047	4950 ± 4694	5472 ± 5339
HLA-DR + CD29	3822 ± 1848	2227 ± 1238	2455 ± 1036	3099 ± 1953	2341 ± 1720
HLA-DR + CD3	9183 ± 6834	5148 ± 3351	7316 ± 5182	9197 ± 7010	9298 ± 7846
HLA-DR + CD31	236 ± 140	239 ± 145	175 ± 151	273 ± 227	277 ± 213
HLA-DR + CD4	8625 ± 4058	4797 ± 4631	6985 ± 4045	8390 ± 5237	8867 ± 6148
HLA-DR + CD44	21069 ± 4664	17223 ± 4848	21208 ± 7381	21878 ± 7876	19912 ± 4102
HLA-DR + CD45	8615 ± 7259	2739 ± 2567	5644 ± 4810	7417 ± 6727	5508 ± 3529
HLA-DR + CD45RA	3553 ± 1855	1782 ± 1387	2488 ± 1397	2684 ± 1388	2594 ± 1384
HLA-DR + CD45RO	3571 ± 2935	1254 ± 1773	3445 ± 3944	4151 ± 4743	4457 ± 5606
HLA-DR + CD52	6210 ± 6224	2327 ± 3146	4132 ± 4643	5926 ± 6990	5277 ± 5397
HLA-DR + CD54	15258 ± 10908	6214 ± 6075	7098 ± 4874	8923 ± 7137	8663 ± 6027
HLA-DR + CD56	1093 ± 407	965 ± 316	1109 ± 430	1013 ± 342	987 ± 366
HLA-DR + CD58	896 ± 999	1102 ± 1873	487 ± 644	1744 ± 3578	2286 ± 2972
HLA-DR + CD62E	17 ± 18	9 ± 15	25 ± 34	11 ± 18	9 ± 12
HLA-DR + CD62P	124 ± 217	60 ± 59	58 ± 50	50 ± 47	44 ± 49
HLA-DR + CD68	3247 ± 1873	2237 ± 2058	3458 ± 2246	3034 ± 1749	2879 ± 2073
HLA-DR + CD7	3706 ± 2162	1805 ± 2022	3447 ± 2647	5712 ± 5333	4173 ± 3238
HLA-DR + CD8a	2565 ± 1293	1864 ± 1407	2361 ± 1481	3017 ± 1705	3211 ± 2025
HLA-DR + CK14	147 ± 204	147 ± 203	175 ± 207	154 ± 204	152 ± 207
HLA-DR + CLA	2961 ± 1730	1333 ± 734	2308 ± 1593	2425 ± 1545	1896 ± 614
HLA-DR + c-myc	874 ± 819	744 ± 819	731 ± 743	600 ± 736	537 ± 728
HLA-DR + Collagen IV	3725 ± 1939	3154 ± 1624	3792 ± 1396	4042 ± 2011	3473 ± 2283
HLA-DR + FXIIIA	4135 ± 2896	4392 ± 2893	5375 ± 3288	4773 ± 3096	4711 ± 3122
HLA-DR + IL-22R	8 ± 11	6 ± 10	7 ± 9	17 ± 35	23 ± 32
HLA-DR + IL-23R	255 ± 434	332 ± 752	154 ± 192	230 ± 265	147 ± 116
HLA-DR + Ki67	27 ± 43	27 ± 43	90 ± 201	32 ± 40	19 ± 38
HLA-DR + PI	14899 ± 5974	8289 ± 4567	11993 ± 5573	12881 ± 6836	11828 ± 4234
HLA-DR + Podoplanin	497 ± 293	681 ± 700	264 ± 177	497 ± 454	334 ± 253
HLA-DR + SNA1	7087 ± 4754	6565 ± 3858	6276 ± 2032	4914 ± 2059	4678 ± 1803
HLA-DR + STAT3	199 ± 338	192 ± 259	201 ± 215	123 ± 144	71 ± 135
HLA-DR + TIA1	1076 ± 791	539 ± 636	828 ± 725	828 ± 670	880 ± 592
HLA-DR + Vimentin	11855 ± 4878	8049 ± 3985	11291 ± 5488	10156 ± 4009	7994 ± 2920

Tabelle 498: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + BCL2	1 ± 2	1 ± 2	1 ± 2	9 ± 23	15 ± 30
IL-22R + CCR6	1 ± 1	1 ± 1	1 ± 1	4 ± 10	6 ± 11
IL-22R + CD11a	6 ± 10	3 ± 5	3 ± 4	34 ± 94	24 ± 44
IL-22R + CD11b	3 ± 7	3 ± 8	3 ± 8	4 ± 8	16 ± 28
IL-22R + CD120a	0 ± 0	1 ± 2	1 ± 2	1 ± 2	6 ± 15
IL-22R + CD120b	1 ± 2	1 ± 2	1 ± 2	2 ± 3	19 ± 42
IL-22R + CD138	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
IL-22R + CD15	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
IL-22R + CD1a	1 ± 1	2 ± 3	1 ± 2	0 ± 1	2 ± 4
IL-22R + CD2	5 ± 6	3 ± 5	3 ± 4	27 ± 73	28 ± 53
IL-22R + CD207	0 ± 0	1 ± 3	1 ± 2	0 ± 0	2 ± 4
IL-22R + CD24	1 ± 1	0 ± 0	1 ± 1	1 ± 2	1 ± 1
IL-22R + CD28	3 ± 4	2 ± 4	2 ± 3	21 ± 59	26 ± 53
IL-22R + CD29	1 ± 1	1 ± 2	1 ± 2	5 ± 12	4 ± 6
IL-22R + CD3	6 ± 9	4 ± 5	3 ± 4	36 ± 100	34 ± 65
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	3 ± 9	3 ± 6
IL-22R + CD4	4 ± 6	4 ± 6	4 ± 5	37 ± 102	31 ± 63
IL-22R + CD44	8 ± 10	6 ± 10	7 ± 9	27 ± 63	29 ± 37
IL-22R + CD45	5 ± 7	3 ± 4	3 ± 3	34 ± 94	25 ± 49
IL-22R + CD45RA	3 ± 4	2 ± 4	2 ± 4	11 ± 26	8 ± 15
IL-22R + CD45RO	2 ± 3	1 ± 3	2 ± 2	12 ± 32	24 ± 50
IL-22R + CD52	5 ± 8	3 ± 5	3 ± 4	24 ± 64	27 ± 56
IL-22R + CD54	6 ± 9	5 ± 8	5 ± 8	37 ± 98	26 ± 48
IL-22R + CD56	0 ± 1	0 ± 0	0 ± 1	1 ± 2	1 ± 1
IL-22R + CD58	2 ± 4	3 ± 5	2 ± 3	23 ± 62	20 ± 42
IL-22R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	1 ± 4	1 ± 4	3 ± 4	5 ± 11	7 ± 8
IL-22R + CD7	3 ± 4	2 ± 3	2 ± 3	25 ± 68	23 ± 44
IL-22R + CD8a	5 ± 9	2 ± 3	2 ± 3	16 ± 41	21 ± 41
IL-22R + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + CLA	2 ± 2	1 ± 2	2 ± 2	5 ± 12	6 ± 10
IL-22R + c-myc	4 ± 7	4 ± 7	4 ± 7	4 ± 7	4 ± 7
IL-22R + Collagen IV	2 ± 3	1 ± 2	1 ± 2	6 ± 13	6 ± 7
IL-22R + FXIIIA	1 ± 2	1 ± 2	2 ± 2	5 ± 12	9 ± 14
IL-22R + HLA-DR	8 ± 11	6 ± 10	7 ± 9	17 ± 35	23 ± 32
IL-22R + IL-23R	2 ± 6	2 ± 6	2 ± 6	3 ± 6	2 ± 6
IL-22R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + PI	7 ± 10	4 ± 9	5 ± 9	33 ± 85	33 ± 54
IL-22R + Podoplanin	0 ± 0	0 ± 0	0 ± 0	3 ± 7	3 ± 6
IL-22R + SNA1	3 ± 4	3 ± 6	2 ± 3	4 ± 6	5 ± 7
IL-22R + STAT3	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
IL-22R + TIA1	2 ± 3	1 ± 1	1 ± 1	3 ± 7	5 ± 9
IL-22R + Vimentin	6 ± 9	6 ± 10	6 ± 9	33 ± 83	25 ± 34

Tabelle 499: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	7 ± 12	11 ± 16	11 ± 16	3 ± 7	6 ± 9
IL-23R + BCL2	35 ± 28	59 ± 119	67 ± 138	37 ± 37	44 ± 44
IL-23R + CCR6	12 ± 15	14 ± 14	19 ± 23	30 ± 44	19 ± 23
IL-23R + CD11a	38 ± 103	11 ± 22	14 ± 29	65 ± 179	32 ± 55
IL-23R + CD11b	113 ± 82	101 ± 111	95 ± 99	213 ± 239	173 ± 178
IL-23R + CD120a	55 ± 150	6 ± 19	6 ± 16	48 ± 142	9 ± 17
IL-23R + CD120b	14 ± 39	2 ± 4	1 ± 2	2 ± 3	22 ± 46
IL-23R + CD138	19 ± 25	20 ± 28	25 ± 32	14 ± 17	10 ± 17
IL-23R + CD15	27 ± 65	3 ± 7	2 ± 4	53 ± 157	1 ± 2
IL-23R + CD1a	2 ± 3	20 ± 59	1 ± 1	1 ± 2	2 ± 5
IL-23R + CD2	21 ± 43	8 ± 14	11 ± 24	42 ± 108	57 ± 94
IL-23R + CD207	1 ± 2	5 ± 15	0 ± 1	3 ± 10	4 ± 10
IL-23R + CD24	9 ± 20	0 ± 0	3 ± 7	52 ± 154	1 ± 2
IL-23R + CD28	43 ± 107	6 ± 11	8 ± 13	23 ± 55	43 ± 74
IL-23R + CD29	48 ± 43	40 ± 45	38 ± 45	59 ± 44	36 ± 43
IL-23R + CD3	38 ± 96	19 ± 44	13 ± 31	62 ± 171	65 ± 117
IL-23R + CD31	8 ± 9	11 ± 17	5 ± 7	9 ± 13	8 ± 8
IL-23R + CD4	102 ± 226	27 ± 46	28 ± 30	79 ± 182	85 ± 128
IL-23R + CD44	93 ± 146	187 ± 438	85 ± 142	210 ± 355	92 ± 98
IL-23R + CD45	37 ± 75	10 ± 15	17 ± 26	66 ± 174	42 ± 60
IL-23R + CD45RA	18 ± 23	21 ± 33	18 ± 21	16 ± 17	15 ± 12
IL-23R + CD45RO	47 ± 92	21 ± 28	34 ± 50	83 ± 205	71 ± 110
IL-23R + CD52	28 ± 69	9 ± 15	13 ± 23	26 ± 65	42 ± 83
IL-23R + CD54	130 ± 313	113 ± 297	34 ± 44	103 ± 246	69 ± 96
IL-23R + CD56	16 ± 23	40 ± 77	21 ± 26	25 ± 21	16 ± 14
IL-23R + CD58	18 ± 27	40 ± 83	16 ± 22	41 ± 90	38 ± 55
IL-23R + CD62E	8 ± 10	6 ± 13	6 ± 15	2 ± 3	2 ± 4
IL-23R + CD62P	11 ± 11	9 ± 12	9 ± 14	4 ± 7	5 ± 7
IL-23R + CD68	103 ± 145	100 ± 148	83 ± 100	125 ± 109	110 ± 125
IL-23R + CD7	7 ± 13	2 ± 4	8 ± 17	21 ± 53	27 ± 46
IL-23R + CD8a	8 ± 21	5 ± 8	3 ± 6	8 ± 18	16 ± 30
IL-23R + CK14	12 ± 27	14 ± 27	16 ± 28	11 ± 27	10 ± 27
IL-23R + CLA	19 ± 37	6 ± 6	13 ± 25	22 ± 43	13 ± 16
IL-23R + c-myc	37 ± 25	73 ± 116	36 ± 29	40 ± 17	23 ± 23
IL-23R + Collagen IV	19 ± 32	22 ± 42	9 ± 10	17 ± 34	10 ± 10
IL-23R + FXIIIA	115 ± 95	205 ± 388	137 ± 176	156 ± 120	142 ± 130
IL-23R + HLA-DR	255 ± 434	332 ± 752	154 ± 192	230 ± 265	147 ± 116
IL-23R + IL-22R	2 ± 6	2 ± 6	2 ± 6	3 ± 6	2 ± 6
IL-23R + Ki67	0 ± 0	1 ± 1	1 ± 3	2 ± 4	0 ± 1
IL-23R + PI	140 ± 187	124 ± 208	112 ± 170	126 ± 100	92 ± 70
IL-23R + Podoplanin	8 ± 10	19 ± 30	11 ± 13	12 ± 11	5 ± 6
IL-23R + SNA1	142 ± 212	261 ± 621	84 ± 80	112 ± 87	56 ± 31
IL-23R + STAT3	20 ± 26	25 ± 37	19 ± 24	26 ± 48	7 ± 10
IL-23R + TIA1	22 ± 54	5 ± 7	8 ± 10	21 ± 52	6 ± 6
IL-23R + Vimentin	204 ± 301	279 ± 600	153 ± 222	263 ± 270	128 ± 99

Tabelle 500: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Ki67 + BCL2	10 ± 24	4 ± 8	82 ± 231	9 ± 13	4 ± 9
Ki67 + CCR6	0 ± 1	0 ± 0	1 ± 1	9 ± 16	0 ± 1
Ki67 + CD11a	5 ± 7	7 ± 11	56 ± 151	9 ± 13	8 ± 10
Ki67 + CD11b	5 ± 8	6 ± 9	11 ± 19	12 ± 14	5 ± 8
Ki67 + CD120a	0 ± 0	0 ± 0	3 ± 8	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	2 ± 5	1 ± 4	0 ± 0	3 ± 7
Ki67 + CD138	0 ± 0	1 ± 2	1 ± 1	2 ± 3	1 ± 3
Ki67 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 4
Ki67 + CD1a	3 ± 10	2 ± 6	4 ± 11	0 ± 0	0 ± 0
Ki67 + CD2	5 ± 6	6 ± 9	29 ± 77	7 ± 7	7 ± 10
Ki67 + CD207	4 ± 11	2 ± 6	9 ± 18	2 ± 6	1 ± 2
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
Ki67 + CD28	1 ± 2	3 ± 7	19 ± 57	2 ± 4	4 ± 9
Ki67 + CD29	11 ± 21	4 ± 9	9 ± 13	7 ± 11	5 ± 9
Ki67 + CD3	3 ± 3	5 ± 10	43 ± 123	6 ± 9	6 ± 9
Ki67 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 4
Ki67 + CD4	5 ± 7	5 ± 9	25 ± 66	8 ± 10	7 ± 11
Ki67 + CD44	7 ± 8	11 ± 18	53 ± 138	14 ± 14	7 ± 6
Ki67 + CD45	3 ± 4	3 ± 5	26 ± 72	6 ± 9	4 ± 8
Ki67 + CD45RA	5 ± 12	6 ± 12	15 ± 25	8 ± 11	5 ± 12
Ki67 + CD45RO	1 ± 2	1 ± 2	28 ± 77	7 ± 13	4 ± 10
Ki67 + CD52	1 ± 2	2 ± 4	31 ± 92	7 ± 14	4 ± 8
Ki67 + CD54	13 ± 18	10 ± 19	17 ± 30	13 ± 20	8 ± 19
Ki67 + CD56	2 ± 3	2 ± 3	6 ± 13	10 ± 13	2 ± 3
Ki67 + CD58	6 ± 11	6 ± 12	4 ± 10	5 ± 10	6 ± 11
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 4
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 1	1 ± 4
Ki67 + CD68	9 ± 18	8 ± 17	13 ± 20	20 ± 22	7 ± 18
Ki67 + CD7	3 ± 3	2 ± 4	22 ± 52	6 ± 7	4 ± 5
Ki67 + CD8a	1 ± 1	1 ± 1	6 ± 16	1 ± 1	3 ± 8
Ki67 + CK14	1 ± 2	2 ± 5	3 ± 6	2 ± 4	1 ± 2
Ki67 + CLA	7 ± 18	1 ± 3	16 ± 42	5 ± 9	2 ± 3
Ki67 + c-myc	21 ± 37	13 ± 34	17 ± 35	16 ± 34	12 ± 34
Ki67 + Collagen IV	13 ± 24	9 ± 23	14 ± 22	20 ± 31	14 ± 23
Ki67 + FXIIIA	3 ± 6	1 ± 2	6 ± 11	17 ± 21	3 ± 4
Ki67 + HLA-DR	27 ± 43	27 ± 43	90 ± 201	32 ± 40	19 ± 38
Ki67 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + IL-23R	0 ± 0	1 ± 1	1 ± 3	2 ± 4	0 ± 1
Ki67 + PI	53 ± 74	39 ± 62	154 ± 323	59 ± 61	42 ± 59
Ki67 + Podoplanin	0 ± 0	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Ki67 + SNA1	21 ± 35	9 ± 18	15 ± 21	20 ± 38	11 ± 17
Ki67 + STAT3	0 ± 0	0 ± 0	0 ± 0	4 ± 8	0 ± 0
Ki67 + TIA1	1 ± 1	1 ± 1	2 ± 4	2 ± 3	1 ± 1
Ki67 + Vimentin	29 ± 43	29 ± 43	71 ± 125	40 ± 40	24 ± 39

Tabelle 501: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	331 ± 404	151 ± 272	168 ± 267	165 ± 274	172 ± 278
PI + BCL2	1831 ± 2151	615 ± 601	2665 ± 4341	1454 ± 1651	2133 ± 3200
PI + CCR6	763 ± 858	318 ± 419	470 ± 446	1231 ± 1431	884 ± 1073
PI + CD11a	9881 ± 8254	3546 ± 4637	7730 ± 6565	9703 ± 11057	8138 ± 7322
PI + CD11b	4079 ± 2484	3092 ± 2964	3367 ± 2830	3777 ± 2569	6010 ± 2990
PI + CD120a	39 ± 65	8 ± 12	20 ± 22	36 ± 65	59 ± 104
PI + CD120b	1974 ± 2086	663 ± 420	878 ± 681	929 ± 644	3293 ± 5259
PI + CD138	77 ± 137	51 ± 76	59 ± 73	47 ± 54	46 ± 48
PI + CD15	449 ± 519	86 ± 70	206 ± 284	308 ± 548	130 ± 146
PI + CD1a	51 ± 66	214 ± 587	29 ± 35	42 ± 34	157 ± 246
PI + CD2	9303 ± 8009	3570 ± 4863	6748 ± 5363	7954 ± 7124	9551 ± 10102
PI + CD207	289 ± 334	265 ± 463	273 ± 302	250 ± 254	376 ± 421
PI + CD24	1109 ± 1466	638 ± 328	833 ± 429	948 ± 489	963 ± 925
PI + CD28	7074 ± 6675	2097 ± 3379	3790 ± 3857	5825 ± 6154	7448 ± 9081
PI + CD29	2908 ± 1821	1414 ± 854	1774 ± 562	2388 ± 1669	1759 ± 1324
PI + CD3	10886 ± 9467	4724 ± 5167	8566 ± 6914	10896 ± 10231	11449 ± 12094
PI + CD31	286 ± 175	236 ± 177	214 ± 192	346 ± 316	334 ± 254
PI + CD4	8595 ± 5459	4155 ± 5748	6883 ± 5392	9424 ± 9594	10382 ± 10748
PI + CD44	11150 ± 4933	7162 ± 3284	11888 ± 6082	13313 ± 7688	11045 ± 3511
PI + CD45	9290 ± 9376	2552 ± 3315	6084 ± 5296	8695 ± 9912	6962 ± 6721
PI + CD45RA	2997 ± 1752	1290 ± 1486	2241 ± 1584	2516 ± 2169	2472 ± 2098
PI + CD45RO	4601 ± 4256	1406 ± 2598	4353 ± 5048	5089 ± 5994	6726 ± 10024
PI + CD52	7096 ± 7268	2299 ± 3915	4610 ± 5297	6938 ± 8393	6963 ± 8734
PI + CD54	10955 ± 9723	3580 ± 4013	4740 ± 3676	7601 ± 7611	6692 ± 5366
PI + CD56	617 ± 408	362 ± 161	618 ± 308	582 ± 338	552 ± 191
PI + CD58	694 ± 837	620 ± 905	383 ± 655	2169 ± 5181	2416 ± 3750
PI + CD62E	27 ± 33	13 ± 26	60 ± 95	43 ± 79	18 ± 30
PI + CD62P	104 ± 219	30 ± 46	36 ± 45	27 ± 45	31 ± 44
PI + CD68	1855 ± 1347	1379 ± 1497	2049 ± 1437	2079 ± 1648	2009 ± 1536
PI + CD7	4132 ± 2829	1869 ± 2678	4047 ± 3332	6566 ± 6512	5449 ± 5622
PI + CD8a	3090 ± 2184	1826 ± 2374	2769 ± 2365	3519 ± 2786	4551 ± 4865
PI + CK14	93 ± 163	113 ± 166	113 ± 169	102 ± 160	98 ± 161
PI + CLA	2644 ± 1802	976 ± 810	1940 ± 1372	2341 ± 1678	1804 ± 851
PI + c-myc	657 ± 553	546 ± 477	491 ± 393	420 ± 393	334 ± 400
PI + Collagen IV	2127 ± 1127	1680 ± 1175	2468 ± 1208	2857 ± 1582	2442 ± 1774
PI + FXIIIA	1880 ± 992	1499 ± 1062	2531 ± 1576	2270 ± 1220	2648 ± 1350
PI + HLA-DR	14899 ± 5974	8289 ± 4567	11993 ± 5573	12881 ± 6836	11828 ± 4234
PI + IL-22R	7 ± 10	4 ± 9	5 ± 9	33 ± 85	33 ± 54
PI + IL-23R	140 ± 187	124 ± 208	112 ± 170	126 ± 100	92 ± 70
PI + Ki67	53 ± 74	39 ± 62	154 ± 323	59 ± 61	42 ± 59
PI + Podoplanin	224 ± 159	288 ± 445	116 ± 117	319 ± 505	176 ± 163
PI + SNA1	2609 ± 1931	1839 ± 760	2484 ± 1186	1954 ± 795	2003 ± 1028
PI + STAT3	98 ± 190	52 ± 82	60 ± 64	67 ± 92	20 ± 22
PI + TIA1	1053 ± 874	520 ± 871	847 ± 890	894 ± 882	1112 ± 995
PI + Vimentin	8500 ± 4123	4762 ± 3006	8325 ± 4382	8056 ± 4027	5857 ± 2664

Tabelle 502: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	100 ± 165	99 ± 164	70 ± 97	63 ± 105	43 ± 99
Podoplanin + BCL2	27 ± 33	21 ± 25	11 ± 8	46 ± 84	26 ± 43
Podoplanin + CCR6	177 ± 228	213 ± 239	119 ± 93	206 ± 186	95 ± 88
Podoplanin + CD11a	162 ± 171	173 ± 320	65 ± 145	270 ± 496	125 ± 188
Podoplanin + CD11b	156 ± 132	257 ± 407	98 ± 135	142 ± 125	145 ± 129
Podoplanin + CD120a	1 ± 1	1 ± 2	0 ± 0	7 ± 18	1 ± 3
Podoplanin + CD120b	44 ± 46	97 ± 213	13 ± 23	36 ± 57	66 ± 110
Podoplanin + CD138	71 ± 131	111 ± 202	71 ± 97	53 ± 97	38 ± 94
Podoplanin + CD15	28 ± 45	38 ± 76	8 ± 11	33 ± 50	6 ± 8
Podoplanin + CD1a	3 ± 5	10 ± 25	3 ± 6	3 ± 6	3 ± 7
Podoplanin + CD2	126 ± 152	95 ± 156	56 ± 122	171 ± 294	119 ± 162
Podoplanin + CD207	25 ± 40	14 ± 39	16 ± 38	14 ± 39	16 ± 39
Podoplanin + CD24	24 ± 33	106 ± 254	11 ± 12	32 ± 44	12 ± 7
Podoplanin + CD28	133 ± 161	65 ± 143	60 ± 144	213 ± 411	133 ± 198
Podoplanin + CD29	191 ± 147	303 ± 399	119 ± 90	167 ± 130	94 ± 97
Podoplanin + CD3	184 ± 214	269 ± 527	86 ± 184	338 ± 669	196 ± 280
Podoplanin + CD31	7 ± 5	8 ± 11	8 ± 9	35 ± 90	35 ± 75
Podoplanin + CD4	161 ± 193	121 ± 199	91 ± 197	306 ± 610	192 ± 260
Podoplanin + CD44	730 ± 399	1340 ± 1603	392 ± 311	717 ± 548	509 ± 288
Podoplanin + CD45	169 ± 177	121 ± 215	51 ± 99	257 ± 519	103 ± 156
Podoplanin + CD45RA	176 ± 203	282 ± 275	134 ± 135	212 ± 188	110 ± 137
Podoplanin + CD45RO	142 ± 168	120 ± 167	105 ± 115	174 ± 215	123 ± 148
Podoplanin + CD52	156 ± 184	98 ± 162	70 ± 152	285 ± 546	126 ± 186
Podoplanin + CD54	498 ± 389	381 ± 427	162 ± 187	472 ± 764	243 ± 194
Podoplanin + CD56	164 ± 197	355 ± 366	147 ± 139	192 ± 176	114 ± 139
Podoplanin + CD58	79 ± 100	74 ± 89	63 ± 61	278 ± 701	105 ± 163
Podoplanin + CD62E	0 ± 0	5 ± 15	0 ± 1	0 ± 0	0 ± 0
Podoplanin + CD62P	14 ± 24	13 ± 19	12 ± 18	9 ± 19	8 ± 19
Podoplanin + CD68	161 ± 116	184 ± 124	126 ± 88	193 ± 133	127 ± 95
Podoplanin + CD7	89 ± 88	124 ± 267	39 ± 69	154 ± 282	81 ± 112
Podoplanin + CD8a	35 ± 48	87 ± 191	23 ± 49	53 ± 78	40 ± 70
Podoplanin + CK14	32 ± 64	14 ± 25	26 ± 34	12 ± 25	11 ± 26
Podoplanin + CLA	51 ± 43	51 ± 71	22 ± 21	64 ± 82	30 ± 29
Podoplanin + c-myc	90 ± 147	188 ± 327	75 ± 84	92 ± 132	37 ± 70
Podoplanin + Collagen IV	96 ± 102	146 ± 204	114 ± 109	242 ± 428	96 ± 112
Podoplanin + FXIIIA	153 ± 162	335 ± 336	136 ± 107	184 ± 170	110 ± 96
Podoplanin + HLA-DR	497 ± 293	681 ± 700	264 ± 177	497 ± 454	334 ± 253
Podoplanin + IL-22R	0 ± 0	0 ± 0	0 ± 0	3 ± 7	3 ± 6
Podoplanin + IL-23R	8 ± 10	19 ± 30	11 ± 13	12 ± 11	5 ± 6
Podoplanin + Ki67	0 ± 0	0 ± 0	0 ± 0	2 ± 4	0 ± 0
Podoplanin + PI	224 ± 159	288 ± 445	116 ± 117	319 ± 505	176 ± 163
Podoplanin + SNA1	170 ± 144	371 ± 326	188 ± 167	258 ± 334	114 ± 77
Podoplanin + STAT3	120 ± 217	182 ± 299	105 ± 130	95 ± 130	53 ± 116
Podoplanin + TIA1	83 ± 105	113 ± 133	62 ± 66	86 ± 74	50 ± 64
Podoplanin + Vimentin	470 ± 256	724 ± 668	340 ± 193	484 ± 396	339 ± 248

Tabelle 503: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	460 ± 478	239 ± 238	255 ± 228	187 ± 232	210 ± 253
SNA1 + BCL2	209 ± 150	196 ± 256	452 ± 644	183 ± 145	164 ± 118
SNA1 + CCR6	273 ± 208	206 ± 144	246 ± 205	290 ± 247	191 ± 94
SNA1 + CD11a	1419 ± 1823	712 ± 499	1547 ± 1436	943 ± 732	813 ± 473
SNA1 + CD11b	2031 ± 1093	2019 ± 998	2035 ± 1006	2352 ± 1092	2283 ± 1021
SNA1 + CD120a	93 ± 201	24 ± 33	31 ± 40	32 ± 44	54 ± 59
SNA1 + CD120b	571 ± 496	522 ± 273	503 ± 251	431 ± 268	651 ± 384
SNA1 + CD138	87 ± 141	128 ± 215	114 ± 115	48 ± 76	54 ± 75
SNA1 + CD15	436 ± 695	159 ± 151	278 ± 326	343 ± 627	141 ± 135
SNA1 + CD1a	21 ± 28	265 ± 776	21 ± 25	14 ± 13	41 ± 80
SNA1 + CD2	983 ± 704	649 ± 487	1263 ± 1048	873 ± 580	838 ± 495
SNA1 + CD207	33 ± 33	205 ± 536	86 ± 117	43 ± 45	50 ± 80
SNA1 + CD24	555 ± 551	479 ± 224	620 ± 418	620 ± 451	572 ± 462
SNA1 + CD28	767 ± 590	391 ± 452	751 ± 769	628 ± 479	725 ± 520
SNA1 + CD29	2358 ± 986	1645 ± 557	1987 ± 554	1784 ± 511	1651 ± 1030
SNA1 + CD3	1276 ± 1058	1190 ± 798	1677 ± 1313	1190 ± 784	1287 ± 849
SNA1 + CD31	383 ± 204	377 ± 199	325 ± 216	535 ± 583	397 ± 267
SNA1 + CD4	1662 ± 1234	1063 ± 916	1739 ± 983	1388 ± 896	1415 ± 760
SNA1 + CD44	4437 ± 2922	5256 ± 3866	5171 ± 2149	3956 ± 1690	3770 ± 956
SNA1 + CD45	1196 ± 1028	600 ± 436	1407 ± 1421	949 ± 711	755 ± 449
SNA1 + CD45RA	672 ± 512	500 ± 182	570 ± 297	488 ± 192	467 ± 193
SNA1 + CD45RO	867 ± 1223	336 ± 309	1138 ± 1472	592 ± 493	589 ± 579
SNA1 + CD52	736 ± 550	611 ± 642	936 ± 1072	710 ± 600	682 ± 568
SNA1 + CD54	3815 ± 3098	2152 ± 2182	2407 ± 1192	2037 ± 1537	2036 ± 1280
SNA1 + CD56	524 ± 367	662 ± 335	611 ± 226	559 ± 219	538 ± 262
SNA1 + CD58	336 ± 292	608 ± 1174	217 ± 232	468 ± 757	508 ± 453
SNA1 + CD62E	25 ± 33	18 ± 23	49 ± 70	17 ± 30	17 ± 26
SNA1 + CD62P	113 ± 185	69 ± 71	87 ± 83	56 ± 50	50 ± 49
SNA1 + CD68	1493 ± 825	1314 ± 720	1760 ± 840	1301 ± 572	1138 ± 668
SNA1 + CD7	624 ± 490	342 ± 278	929 ± 891	717 ± 543	579 ± 325
SNA1 + CD8a	391 ± 301	353 ± 136	451 ± 274	375 ± 165	368 ± 133
SNA1 + CK14	225 ± 363	368 ± 431	317 ± 390	305 ± 366	248 ± 357
SNA1 + CLA	529 ± 554	260 ± 110	547 ± 552	380 ± 283	263 ± 74
SNA1 + c-myc	2016 ± 1489	1586 ± 1306	2001 ± 1487	1255 ± 1054	1251 ± 1076
SNA1 + Collagen IV	4957 ± 2968	3834 ± 1247	5182 ± 2823	4423 ± 1744	3956 ± 1823
SNA1 + FXIIIA	1398 ± 1278	2253 ± 1360	2251 ± 1266	1836 ± 1341	1626 ± 1284
SNA1 + HLA-DR	7087 ± 4754	6565 ± 3858	6276 ± 2032	4914 ± 2059	4678 ± 1803
SNA1 + IL-22R	3 ± 4	3 ± 6	2 ± 3	4 ± 6	5 ± 7
SNA1 + IL-23R	142 ± 212	261 ± 621	84 ± 80	112 ± 87	56 ± 31
SNA1 + Ki67	21 ± 35	9 ± 18	15 ± 21	20 ± 38	11 ± 17
SNA1 + PI	2609 ± 1931	1839 ± 760	2484 ± 1186	1954 ± 795	2003 ± 1028
SNA1 + Podoplanin	170 ± 144	371 ± 326	188 ± 167	258 ± 334	114 ± 77
SNA1 + STAT3	119 ± 212	171 ± 284	161 ± 212	62 ± 56	37 ± 58
SNA1 + TIA1	315 ± 541	152 ± 101	265 ± 304	220 ± 260	131 ± 91
SNA1 + Vimentin	3721 ± 3025	3385 ± 2668	3802 ± 1981	2934 ± 1269	2244 ± 698

Tabelle 504: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	121 ± 230	110 ± 191	108 ± 130	66 ± 117	47 ± 113
STAT3 + BCL2	5 ± 6	3 ± 4	5 ± 7	22 ± 54	2 ± 3
STAT3 + CCR6	124 ± 256	128 ± 212	115 ± 131	104 ± 118	37 ± 69
STAT3 + CD11a	20 ± 37	4 ± 6	7 ± 8	42 ± 80	5 ± 7
STAT3 + CD11b	49 ± 53	31 ± 42	33 ± 42	81 ± 154	26 ± 44
STAT3 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD120b	25 ± 54	8 ± 12	15 ± 37	3 ± 5	2 ± 4
STAT3 + CD138	100 ± 186	156 ± 305	133 ± 153	62 ± 115	46 ± 113
STAT3 + CD15	39 ± 83	29 ± 82	25 ± 64	39 ± 84	1 ± 2
STAT3 + CD1a	1 ± 2	1 ± 1	2 ± 7	0 ± 1	0 ± 1
STAT3 + CD2	18 ± 36	4 ± 7	8 ± 11	33 ± 75	6 ± 8
STAT3 + CD207	6 ± 18	0 ± 1	1 ± 2	0 ± 0	0 ± 0
STAT3 + CD24	29 ± 67	9 ± 13	30 ± 72	24 ± 66	2 ± 4
STAT3 + CD28	21 ± 40	4 ± 7	6 ± 7	24 ± 44	6 ± 7
STAT3 + CD29	132 ± 242	114 ± 152	122 ± 131	88 ± 114	44 ± 69
STAT3 + CD3	27 ± 55	12 ± 23	19 ± 40	42 ± 84	6 ± 8
STAT3 + CD31	13 ± 17	9 ± 13	11 ± 14	9 ± 13	10 ± 13
STAT3 + CD4	25 ± 51	5 ± 8	8 ± 9	33 ± 81	7 ± 8
STAT3 + CD44	96 ± 185	105 ± 200	84 ± 112	61 ± 72	25 ± 49
STAT3 + CD45	36 ± 90	4 ± 4	7 ± 8	38 ± 77	4 ± 5
STAT3 + CD45RA	131 ± 231	162 ± 237	133 ± 156	99 ± 141	62 ± 139
STAT3 + CD45RO	136 ± 262	107 ± 194	163 ± 201	105 ± 158	51 ± 134
STAT3 + CD52	37 ± 88	33 ± 87	22 ± 28	46 ± 82	5 ± 8
STAT3 + CD54	58 ± 114	15 ± 19	16 ± 19	42 ± 78	11 ± 15
STAT3 + CD56	170 ± 304	232 ± 373	255 ± 280	143 ± 183	77 ± 166
STAT3 + CD58	55 ± 100	52 ± 90	53 ± 60	45 ± 66	25 ± 49
STAT3 + CD62E	1 ± 2	7 ± 15	1 ± 2	4 ± 11	0 ± 1
STAT3 + CD62P	25 ± 48	13 ± 18	26 ± 46	9 ± 18	8 ± 19
STAT3 + CD68	104 ± 163	81 ± 98	148 ± 195	119 ± 122	43 ± 69
STAT3 + CD7	20 ± 42	5 ± 8	9 ± 13	25 ± 41	5 ± 8
STAT3 + CD8a	9 ± 17	5 ± 9	6 ± 12	7 ± 12	2 ± 4
STAT3 + CK14	31 ± 68	23 ± 46	33 ± 51	11 ± 25	8 ± 25
STAT3 + CLA	20 ± 33	8 ± 14	11 ± 13	21 ± 36	4 ± 9
STAT3 + c-myc	98 ± 190	243 ± 570	123 ± 137	78 ± 131	34 ± 63
STAT3 + Collagen IV	13 ± 16	37 ± 83	16 ± 21	11 ± 13	9 ± 13
STAT3 + FXIIIA	145 ± 243	202 ± 332	240 ± 269	142 ± 156	59 ± 116
STAT3 + HLA-DR	199 ± 338	192 ± 259	201 ± 215	123 ± 144	71 ± 135
STAT3 + IL-22R	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
STAT3 + IL-23R	20 ± 26	25 ± 37	19 ± 24	26 ± 48	7 ± 10
STAT3 + Ki67	0 ± 0	0 ± 0	0 ± 0	4 ± 8	0 ± 0
STAT3 + PI	98 ± 190	52 ± 82	60 ± 64	67 ± 92	20 ± 22
STAT3 + Podoplanin	120 ± 217	182 ± 299	105 ± 130	95 ± 130	53 ± 116
STAT3 + SNA1	119 ± 212	171 ± 284	161 ± 212	62 ± 56	37 ± 58
STAT3 + TIA1	68 ± 103	80 ± 132	50 ± 63	59 ± 66	28 ± 61
STAT3 + Vimentin	123 ± 197	180 ± 316	160 ± 171	110 ± 105	44 ± 65

Tabelle 505: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	64 ± 93	77 ± 90	48 ± 60	46 ± 63	37 ± 64
TIA1 + BCL2	162 ± 253	43 ± 58	118 ± 133	107 ± 119	327 ± 623
TIA1 + CCR6	172 ± 132	133 ± 136	116 ± 78	186 ± 157	149 ± 113
TIA1 + CD11a	1149 ± 881	508 ± 766	831 ± 773	931 ± 876	1204 ± 1164
TIA1 + CD11b	713 ± 818	367 ± 679	574 ± 788	698 ± 982	732 ± 755
TIA1 + CD120a	6 ± 13	1 ± 1	2 ± 2	3 ± 5	9 ± 17
TIA1 + CD120b	173 ± 298	37 ± 61	48 ± 61	69 ± 82	375 ± 767
TIA1 + CD138	41 ± 76	59 ± 103	38 ± 55	30 ± 55	22 ± 54
TIA1 + CD15	340 ± 642	62 ± 105	240 ± 504	341 ± 838	35 ± 87
TIA1 + CD1a	9 ± 13	1 ± 3	4 ± 6	4 ± 5	8 ± 16
TIA1 + CD2	1049 ± 822	470 ± 763	740 ± 730	837 ± 757	1298 ± 1345
TIA1 + CD207	28 ± 36	12 ± 32	16 ± 32	33 ± 49	26 ± 41
TIA1 + CD24	179 ± 356	36 ± 35	241 ± 518	287 ± 737	28 ± 29
TIA1 + CD28	655 ± 629	205 ± 357	329 ± 352	471 ± 517	774 ± 1074
TIA1 + CD29	164 ± 101	122 ± 84	97 ± 63	115 ± 97	82 ± 65
TIA1 + CD3	1089 ± 885	506 ± 787	831 ± 807	963 ± 870	1347 ± 1439
TIA1 + CD31	13 ± 22	32 ± 53	12 ± 22	33 ± 61	11 ± 22
TIA1 + CD4	693 ± 633	310 ± 577	464 ± 551	599 ± 623	937 ± 1249
TIA1 + CD44	891 ± 561	473 ± 563	832 ± 661	934 ± 717	912 ± 565
TIA1 + CD45	956 ± 785	368 ± 565	674 ± 641	794 ± 698	1067 ± 1099
TIA1 + CD45RA	504 ± 343	367 ± 368	401 ± 349	409 ± 353	581 ± 488
TIA1 + CD45RO	604 ± 513	241 ± 340	476 ± 511	544 ± 560	858 ± 1203
TIA1 + CD52	810 ± 771	301 ± 588	493 ± 635	621 ± 755	881 ± 1181
TIA1 + CD54	856 ± 803	308 ± 455	422 ± 450	594 ± 629	653 ± 653
TIA1 + CD56	138 ± 101	103 ± 118	107 ± 68	95 ± 72	75 ± 54
TIA1 + CD58	118 ± 115	92 ± 118	75 ± 104	147 ± 222	312 ± 532
TIA1 + CD62E	5 ± 10	5 ± 14	12 ± 35	11 ± 22	1 ± 1
TIA1 + CD62P	11 ± 17	9 ± 15	10 ± 14	8 ± 14	6 ± 14
TIA1 + CD68	196 ± 225	147 ± 237	173 ± 233	201 ± 233	187 ± 246
TIA1 + CD7	770 ± 531	402 ± 578	610 ± 567	785 ± 701	1052 ± 1099
TIA1 + CD8a	740 ± 622	428 ± 692	649 ± 649	746 ± 680	1135 ± 1229
TIA1 + CK14	22 ± 47	10 ± 22	16 ± 23	8 ± 22	8 ± 22
TIA1 + CLA	367 ± 332	148 ± 206	267 ± 259	395 ± 400	333 ± 250
TIA1 + c-myc	65 ± 79	88 ± 132	54 ± 55	57 ± 55	37 ± 55
TIA1 + Collagen IV	109 ± 138	87 ± 127	104 ± 122	125 ± 139	85 ± 124
TIA1 + FXIIIA	131 ± 114	103 ± 107	194 ± 255	120 ± 78	95 ± 36
TIA1 + HLA-DR	1076 ± 791	539 ± 636	828 ± 725	828 ± 670	880 ± 592
TIA1 + IL-22R	2 ± 3	1 ± 1	1 ± 1	3 ± 7	5 ± 9
TIA1 + IL-23R	22 ± 54	5 ± 7	8 ± 10	21 ± 52	6 ± 6
TIA1 + Ki67	1 ± 1	1 ± 1	2 ± 4	2 ± 3	1 ± 1
TIA1 + PI	1053 ± 874	520 ± 871	847 ± 890	894 ± 882	1112 ± 995
TIA1 + Podoplanin	83 ± 105	113 ± 133	62 ± 66	86 ± 74	50 ± 64
TIA1 + SNA1	315 ± 541	152 ± 101	265 ± 304	220 ± 260	131 ± 91
TIA1 + STAT3	68 ± 103	80 ± 132	50 ± 63	59 ± 66	28 ± 61
TIA1 + Vimentin	466 ± 398	268 ± 387	387 ± 378	408 ± 397	354 ± 380

Tabelle 506: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Responder identifizierten n=4 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	327 ± 295	215 ± 297	221 ± 267	172 ± 269	167 ± 271
Vimentin + BCL2	1270 ± 1230	564 ± 591	1805 ± 2567	1327 ± 1816	760 ± 592
Vimentin + CCR6	781 ± 870	382 ± 478	525 ± 568	1195 ± 1469	569 ± 586
Vimentin + CD11a	3862 ± 3118	1585 ± 2357	3854 ± 3669	4409 ± 5735	2213 ± 2344
Vimentin + CD11b	3540 ± 2667	2922 ± 2783	3129 ± 2745	3839 ± 2603	4123 ± 2310
Vimentin + CD120a	47 ± 89	10 ± 10	32 ± 38	37 ± 60	48 ± 58
Vimentin + CD120b	539 ± 763	151 ± 236	249 ± 289	246 ± 311	561 ± 916
Vimentin + CD138	78 ± 149	115 ± 225	92 ± 92	57 ± 53	41 ± 49
Vimentin + CD15	298 ± 441	122 ± 195	131 ± 184	304 ± 598	123 ± 187
Vimentin + CD1a	59 ± 109	255 ± 730	32 ± 52	30 ± 27	67 ± 99
Vimentin + CD2	3914 ± 2832	1752 ± 2378	3660 ± 3005	4359 ± 4862	2878 ± 2371
Vimentin + CD207	194 ± 250	277 ± 540	222 ± 251	152 ± 168	148 ± 174
Vimentin + CD24	48 ± 75	28 ± 39	64 ± 76	174 ± 373	24 ± 25
Vimentin + CD28	2547 ± 2154	895 ± 1467	1699 ± 1861	2626 ± 3264	1749 ± 1903
Vimentin + CD29	2132 ± 1056	1099 ± 617	1517 ± 638	1756 ± 937	1148 ± 692
Vimentin + CD3	3937 ± 3246	2060 ± 2379	3902 ± 3441	4877 ± 5655	3298 ± 3169
Vimentin + CD31	306 ± 199	221 ± 211	237 ± 219	458 ± 584	290 ± 229
Vimentin + CD4	3928 ± 2618	2070 ± 2735	3505 ± 2700	4857 ± 5807	3300 ± 2972
Vimentin + CD44	10096 ± 2639	9359 ± 4129	12622 ± 5618	13003 ± 5363	9567 ± 2540
Vimentin + CD45	3587 ± 2991	1202 ± 1602	3060 ± 2878	4047 ± 5167	1921 ± 1692
Vimentin + CD45RA	1165 ± 820	644 ± 666	1020 ± 780	1081 ± 1043	672 ± 645
Vimentin + CD45RO	2072 ± 1767	784 ± 1353	2427 ± 2823	2634 ± 3197	1841 ± 2051
Vimentin + CD52	2463 ± 2556	1093 ± 1753	2003 ± 2556	2869 ± 3640	1531 ± 1831
Vimentin + CD54	7131 ± 5139	2784 ± 3085	3700 ± 2416	4824 ± 5038	3343 ± 2549
Vimentin + CD56	671 ± 432	672 ± 410	855 ± 508	784 ± 416	578 ± 342
Vimentin + CD58	429 ± 537	599 ± 1046	279 ± 478	1193 ± 2677	717 ± 918
Vimentin + CD62E	17 ± 20	11 ± 19	26 ± 32	12 ± 20	11 ± 18
Vimentin + CD62P	39 ± 46	35 ± 48	43 ± 48	46 ± 60	36 ± 48
Vimentin + CD68	3310 ± 2210	2499 ± 2347	3616 ± 2340	3490 ± 2285	2771 ± 2259
Vimentin + CD7	1855 ± 1374	809 ± 1298	2151 ± 2024	3068 ± 3452	1489 ± 1316
Vimentin + CD8a	1053 ± 881	740 ± 924	1111 ± 984	1441 ± 1325	980 ± 905
Vimentin + CK14	61 ± 97	77 ± 104	97 ± 124	77 ± 100	54 ± 94
Vimentin + CLA	1608 ± 1008	706 ± 593	1522 ± 1218	1466 ± 980	947 ± 532
Vimentin + c-myc	802 ± 808	828 ± 1016	721 ± 798	555 ± 764	464 ± 772
Vimentin + Collagen IV	1852 ± 1493	1552 ± 1500	2257 ± 1487	2383 ± 1643	1639 ± 1367
Vimentin + FXIIIA	2484 ± 1156	2395 ± 1074	3472 ± 1950	3456 ± 1570	2941 ± 1121
Vimentin + HLA-DR	11855 ± 4878	8049 ± 3985	11291 ± 5488	10156 ± 4009	7994 ± 2920
Vimentin + IL-22R	6 ± 9	6 ± 10	6 ± 9	33 ± 83	25 ± 34
Vimentin + IL-23R	204 ± 301	279 ± 600	153 ± 222	263 ± 270	128 ± 99
Vimentin + Ki67	29 ± 43	29 ± 43	71 ± 125	40 ± 40	24 ± 39
Vimentin + PI	8500 ± 4123	4762 ± 3006	8325 ± 4382	8056 ± 4027	5857 ± 2664
Vimentin + Podoplanin	470 ± 256	724 ± 668	340 ± 193	484 ± 396	339 ± 248
Vimentin + SNA1	3721 ± 3025	3385 ± 2668	3802 ± 1981	2934 ± 1269	2244 ± 698
Vimentin + STAT3	123 ± 197	180 ± 316	160 ± 171	110 ± 105	44 ± 65
Vimentin + TIA1	466 ± 398	268 ± 387	387 ± 378	408 ± 397	354 ± 380

1.1.12 Duale Koexpression der extrakapillären Dermis für die Non-Responder

Tabelle 507: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	8 ± 14	3 ± 6	3 ± 6	3 ± 6	4 ± 6
Aktin + CCR6	108 ± 182	38 ± 71	42 ± 69	40 ± 70	40 ± 70
Aktin + CD11a	40 ± 66	20 ± 41	17 ± 41	34 ± 53	24 ± 42
Aktin + CD11b	46 ± 52	56 ± 59	39 ± 54	85 ± 117	61 ± 67
Aktin + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	7 ± 14	3 ± 5	2 ± 4	5 ± 8	3 ± 5
Aktin + CD138	82 ± 135	47 ± 115	52 ± 114	47 ± 115	47 ± 115
Aktin + CD15	7 ± 10	4 ± 3	4 ± 4	4 ± 3	4 ± 3
Aktin + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	42 ± 67	28 ± 54	24 ± 55	34 ± 57	60 ± 101
Aktin + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
Aktin + CD24	7 ± 12	3 ± 4	2 ± 3	6 ± 10	3 ± 4
Aktin + CD28	28 ± 50	25 ± 51	24 ± 51	51 ± 78	30 ± 50
Aktin + CD29	410 ± 457	321 ± 456	335 ± 454	401 ± 472	389 ± 464
Aktin + CD3	40 ± 59	47 ± 69	25 ± 52	107 ± 212	63 ± 105
Aktin + CD31	119 ± 218	127 ± 216	117 ± 220	176 ± 263	129 ± 221
Aktin + CD4	116 ± 177	100 ± 149	75 ± 148	138 ± 214	127 ± 195
Aktin + CD44	298 ± 655	73 ± 62	63 ± 55	116 ± 178	106 ± 153
Aktin + CD45	36 ± 74	10 ± 14	8 ± 14	12 ± 15	15 ± 22
Aktin + CD45RA	132 ± 169	84 ± 120	79 ± 123	79 ± 123	82 ± 122
Aktin + CD45RO	74 ± 128	49 ± 120	52 ± 119	53 ± 118	50 ± 119
Aktin + CD52	46 ± 83	35 ± 82	33 ± 82	42 ± 82	46 ± 84
Aktin + CD54	331 ± 485	237 ± 451	238 ± 450	296 ± 464	282 ± 456
Aktin + CD56	159 ± 258	63 ± 127	68 ± 125	64 ± 126	66 ± 125
Aktin + CD58	89 ± 134	78 ± 140	78 ± 139	97 ± 137	77 ± 140
Aktin + CD62E	9 ± 15	5 ± 13	5 ± 13	5 ± 13	5 ± 13
Aktin + CD62P	41 ± 62	42 ± 61	42 ± 62	43 ± 61	40 ± 63
Aktin + CD68	184 ± 229	100 ± 144	110 ± 140	136 ± 152	101 ± 143
Aktin + CD7	21 ± 28	23 ± 31	16 ± 28	24 ± 32	19 ± 27
Aktin + CD8a	20 ± 31	16 ± 25	10 ± 24	20 ± 31	16 ± 26
Aktin + CK14	11 ± 29	11 ± 29	11 ± 29	11 ± 29	11 ± 29
Aktin + CLA	15 ± 25	7 ± 8	5 ± 8	8 ± 10	10 ± 14
Aktin + c-myc	276 ± 439	202 ± 436	210 ± 432	202 ± 436	202 ± 436
Aktin + Collagen IV	477 ± 750	402 ± 745	397 ± 750	530 ± 807	477 ± 766
Aktin + FXIIIA	179 ± 322	66 ± 95	58 ± 98	67 ± 98	68 ± 98
Aktin + HLA-DR	303 ± 339	200 ± 166	187 ± 177	290 ± 334	227 ± 212
Aktin + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + IL-23R	5 ± 7	4 ± 8	4 ± 7	4 ± 8	4 ± 8
Aktin + Ki67	2 ± 4	0 ± 1	0 ± 1	1 ± 1	0 ± 1
Aktin + PI	260 ± 348	192 ± 303	171 ± 311	275 ± 388	226 ± 326
Aktin + Podoplanin	110 ± 167	54 ± 112	57 ± 110	53 ± 112	53 ± 112
Aktin + SNA1	327 ± 356	225 ± 248	225 ± 259	321 ± 381	240 ± 267
Aktin + STAT3	99 ± 150	58 ± 127	63 ± 125	58 ± 127	58 ± 127
Aktin + TIA1	60 ± 71	45 ± 71	48 ± 69	46 ± 70	47 ± 70
Aktin + Vimentin	325 ± 419	196 ± 302	190 ± 306	225 ± 308	195 ± 305

Tabelle 508: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	8 ± 14	3 ± 6	3 ± 6	3 ± 6	4 ± 6
BCL2 + CCR6	132 ± 144	88 ± 132	102 ± 125	150 ± 172	116 ± 131
BCL2 + CD11a	636 ± 494	329 ± 422	409 ± 405	498 ± 508	423 ± 378
BCL2 + CD11b	255 ± 126	211 ± 167	202 ± 175	208 ± 168	322 ± 156
BCL2 + CD120a	1 ± 1	0 ± 1	1 ± 1	2 ± 3	0 ± 1
BCL2 + CD120b	26 ± 36	16 ± 36	20 ± 36	28 ± 43	19 ± 35
BCL2 + CD138	21 ± 33	13 ± 30	20 ± 32	14 ± 30	13 ± 30
BCL2 + CD15	18 ± 41	24 ± 42	18 ± 41	21 ± 40	18 ± 41
BCL2 + CD1a	3 ± 5	3 ± 5	2 ± 5	2 ± 5	2 ± 5
BCL2 + CD2	760 ± 635	420 ± 574	510 ± 545	615 ± 639	516 ± 517
BCL2 + CD207	9 ± 12	8 ± 12	12 ± 15	7 ± 12	11 ± 14
BCL2 + CD24	1 ± 4	1 ± 4	2 ± 4	2 ± 4	2 ± 4
BCL2 + CD28	425 ± 342	235 ± 335	275 ± 318	348 ± 362	275 ± 308
BCL2 + CD29	136 ± 106	84 ± 62	84 ± 61	86 ± 59	117 ± 49
BCL2 + CD3	694 ± 571	374 ± 503	456 ± 479	558 ± 578	495 ± 450
BCL2 + CD31	5 ± 8	4 ± 8	4 ± 8	20 ± 42	4 ± 8
BCL2 + CD4	678 ± 545	363 ± 429	423 ± 407	528 ± 499	482 ± 374
BCL2 + CD44	729 ± 620	395 ± 478	450 ± 455	511 ± 484	527 ± 430
BCL2 + CD45	620 ± 532	302 ± 409	380 ± 399	460 ± 491	361 ± 373
BCL2 + CD45RA	173 ± 112	121 ± 129	142 ± 119	171 ± 150	137 ± 116
BCL2 + CD45RO	416 ± 395	165 ± 249	219 ± 251	298 ± 362	186 ± 238
BCL2 + CD52	437 ± 393	237 ± 366	292 ± 356	342 ± 394	269 ± 352
BCL2 + CD54	470 ± 560	268 ± 405	274 ± 401	409 ± 483	375 ± 386
BCL2 + CD56	46 ± 40	25 ± 30	27 ± 29	26 ± 29	30 ± 30
BCL2 + CD58	51 ± 50	38 ± 53	39 ± 52	53 ± 56	42 ± 51
BCL2 + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
BCL2 + CD62P	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
BCL2 + CD68	250 ± 232	166 ± 149	174 ± 144	183 ± 146	188 ± 148
BCL2 + CD7	441 ± 372	242 ± 349	317 ± 339	378 ± 410	291 ± 318
BCL2 + CD8a	239 ± 173	149 ± 184	195 ± 176	198 ± 185	182 ± 162
BCL2 + CK14	15 ± 37	16 ± 36	15 ± 37	15 ± 37	16 ± 36
BCL2 + CLA	211 ± 146	140 ± 160	176 ± 148	158 ± 148	203 ± 136
BCL2 + c-myc	139 ± 89	100 ± 95	95 ± 97	92 ± 100	134 ± 105
BCL2 + Collagen IV	95 ± 83	73 ± 82	73 ± 80	71 ± 82	87 ± 80
BCL2 + FXIIIA	192 ± 151	125 ± 135	123 ± 136	137 ± 129	161 ± 118
BCL2 + HLA-DR	651 ± 426	357 ± 369	396 ± 346	428 ± 343	478 ± 310
BCL2 + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
BCL2 + IL-23R	34 ± 29	21 ± 22	21 ± 22	35 ± 29	31 ± 20
BCL2 + Ki67	8 ± 13	2 ± 3	1 ± 1	1 ± 1	11 ± 20
BCL2 + PI	900 ± 615	531 ± 556	570 ± 532	575 ± 528	685 ± 483
BCL2 + Podoplanin	48 ± 97	14 ± 11	9 ± 8	35 ± 65	17 ± 18
BCL2 + SNA1	220 ± 175	109 ± 97	117 ± 92	122 ± 97	121 ± 91
BCL2 + STAT3	4 ± 3	2 ± 2	2 ± 2	1 ± 2	2 ± 2
BCL2 + TIA1	66 ± 62	47 ± 68	50 ± 66	56 ± 64	53 ± 64
BCL2 + Vimentin	759 ± 525	416 ± 399	455 ± 376	537 ± 415	529 ± 347

Tabelle 509: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	108 ± 182	38 ± 71	42 ± 69	40 ± 70	40 ± 70
CCR6 + BCL2	132 ± 144	88 ± 132	102 ± 125	150 ± 172	116 ± 131
CCR6 + CD11a	524 ± 573	363 ± 550	409 ± 524	705 ± 769	467 ± 538
CCR6 + CD11b	304 ± 390	275 ± 407	281 ± 403	358 ± 386	404 ± 436
CCR6 + CD120a	1 ± 1	0 ± 0	0 ± 0	3 ± 7	0 ± 0
CCR6 + CD120b	62 ± 108	46 ± 109	50 ± 108	77 ± 118	54 ± 107
CCR6 + CD138	64 ± 101	30 ± 68	41 ± 69	32 ± 68	34 ± 67
CCR6 + CD15	8 ± 13	2 ± 2	4 ± 4	10 ± 13	4 ± 5
CCR6 + CD1a	6 ± 11	5 ± 11	5 ± 11	5 ± 11	5 ± 11
CCR6 + CD2	513 ± 563	371 ± 557	420 ± 530	710 ± 769	546 ± 611
CCR6 + CD207	17 ± 30	15 ± 31	16 ± 31	16 ± 31	27 ± 40
CCR6 + CD24	11 ± 16	5 ± 6	7 ± 5	16 ± 16	11 ± 11
CCR6 + CD28	382 ± 446	271 ± 438	293 ± 426	528 ± 591	344 ± 428
CCR6 + CD29	167 ± 199	80 ± 72	100 ± 55	101 ± 53	148 ± 128
CCR6 + CD3	533 ± 579	384 ± 574	436 ± 544	778 ± 806	555 ± 616
CCR6 + CD31	3 ± 4	2 ± 4	2 ± 4	4 ± 5	2 ± 4
CCR6 + CD4	533 ± 581	354 ± 527	401 ± 501	733 ± 793	517 ± 573
CCR6 + CD44	727 ± 715	465 ± 590	538 ± 540	846 ± 627	720 ± 721
CCR6 + CD45	512 ± 553	333 ± 490	383 ± 462	646 ± 705	460 ± 504
CCR6 + CD45RA	309 ± 268	193 ± 186	238 ± 150	298 ± 142	252 ± 157
CCR6 + CD45RO	348 ± 407	223 ± 362	253 ± 344	497 ± 599	270 ± 344
CCR6 + CD52	429 ± 510	320 ± 516	351 ± 499	568 ± 600	455 ± 540
CCR6 + CD54	455 ± 531	276 ± 424	291 ± 413	512 ± 588	402 ± 458
CCR6 + CD56	204 ± 302	80 ± 102	119 ± 99	136 ± 138	94 ± 93
CCR6 + CD58	94 ± 117	80 ± 124	81 ± 122	121 ± 133	81 ± 123
CCR6 + CD62E	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CCR6 + CD62P	9 ± 17	8 ± 17	8 ± 17	9 ± 17	10 ± 17
CCR6 + CD68	366 ± 427	228 ± 354	268 ± 330	324 ± 318	275 ± 332
CCR6 + CD7	353 ± 412	247 ± 402	287 ± 385	453 ± 491	311 ± 392
CCR6 + CD8a	198 ± 222	163 ± 235	179 ± 224	243 ± 213	217 ± 235
CCR6 + CK14	11 ± 27	11 ± 27	11 ± 27	11 ± 27	11 ± 27
CCR6 + CLA	177 ± 158	137 ± 170	158 ± 157	190 ± 143	211 ± 207
CCR6 + c-myc	95 ± 167	31 ± 59	58 ± 82	37 ± 56	35 ± 57
CCR6 + Collagen IV	34 ± 47	20 ± 41	27 ± 39	37 ± 42	78 ± 149
CCR6 + FXIIIA	253 ± 285	126 ± 95	177 ± 81	217 ± 113	176 ± 73
CCR6 + HLA-DR	720 ± 617	479 ± 527	579 ± 443	801 ± 475	704 ± 594
CCR6 + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CCR6 + IL-23R	8 ± 9	8 ± 9	9 ± 9	15 ± 15	12 ± 8
CCR6 + Ki67	2 ± 6	0 ± 1	0 ± 1	5 ± 12	1 ± 2
CCR6 + PI	518 ± 520	355 ± 480	391 ± 454	482 ± 416	517 ± 528
CCR6 + Podoplanin	198 ± 261	91 ± 109	130 ± 118	133 ± 96	113 ± 94
CCR6 + SNA1	272 ± 301	132 ± 110	184 ± 72	205 ± 73	180 ± 87
CCR6 + STAT3	80 ± 109	43 ± 79	66 ± 88	45 ± 78	48 ± 77
CCR6 + TIA1	120 ± 89	92 ± 93	105 ± 81	113 ± 74	105 ± 84
CCR6 + Vimentin	528 ± 634	333 ± 551	396 ± 517	619 ± 615	511 ± 607

Tabelle 510: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	40 ± 66	20 ± 41	17 ± 41	34 ± 53	24 ± 42
CD11a + BCL2	636 ± 494	329 ± 422	409 ± 405	498 ± 508	423 ± 378
CD11a + CCR6	524 ± 573	363 ± 550	409 ± 524	705 ± 769	467 ± 538
CD11a + CD11b	3330 ± 2811	2196 ± 2906	2162 ± 2932	2938 ± 2643	2628 ± 2671
CD11a + CD120a	14 ± 23	5 ± 7	6 ± 6	141 ± 357	5 ± 7
CD11a + CD120b	499 ± 583	272 ± 529	352 ± 528	521 ± 615	325 ± 507
CD11a + CD138	18 ± 40	3 ± 6	3 ± 6	5 ± 7	3 ± 6
CD11a + CD15	207 ± 452	34 ± 33	28 ± 33	187 ± 381	30 ± 33
CD11a + CD1a	40 ± 50	32 ± 43	28 ± 43	26 ± 43	25 ± 44
CD11a + CD2	6434 ± 5346	4301 ± 5600	5336 ± 5389	6364 ± 5571	4784 ± 5263
CD11a + CD207	175 ± 263	155 ± 271	170 ± 267	165 ± 267	189 ± 269
CD11a + CD24	255 ± 289	99 ± 87	148 ± 121	367 ± 432	136 ± 63
CD11a + CD28	4344 ± 3940	2833 ± 4189	3262 ± 4014	4547 ± 4127	3123 ± 3996
CD11a + CD29	758 ± 723	336 ± 266	394 ± 241	444 ± 191	492 ± 260
CD11a + CD3	7435 ± 5864	4789 ± 6057	5982 ± 5847	8050 ± 6483	5560 ± 5525
CD11a + CD31	28 ± 51	23 ± 53	23 ± 53	38 ± 52	24 ± 52
CD11a + CD4	7520 ± 6691	4592 ± 6122	5710 ± 5967	7431 ± 6862	5256 ± 5680
CD11a + CD44	7463 ± 5284	4015 ± 4078	5237 ± 3983	7224 ± 5048	4701 ± 3497
CD11a + CD45	7034 ± 6004	3592 ± 4503	4889 ± 4657	6312 ± 6093	3996 ± 4205
CD11a + CD45RA	1944 ± 1603	1118 ± 1419	1509 ± 1434	2006 ± 1716	1225 ± 1342
CD11a + CD45RO	3969 ± 4127	1922 ± 3430	2530 ± 3408	3617 ± 4161	2014 ± 3377
CD11a + CD52	4082 ± 4203	2684 ± 4511	3315 ± 4408	4049 ± 4491	2940 ± 4382
CD11a + CD54	5247 ± 6028	2882 ± 3919	3000 ± 3843	5105 ± 5288	3484 ± 3604
CD11a + CD56	226 ± 276	73 ± 67	87 ± 60	145 ± 125	82 ± 63
CD11a + CD58	491 ± 585	388 ± 617	382 ± 620	726 ± 873	408 ± 607
CD11a + CD62E	0 ± 0	0 ± 0	1 ± 3	1 ± 2	0 ± 0
CD11a + CD62P	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD11a + CD68	1005 ± 1529	672 ± 1478	953 ± 1515	1063 ± 1613	721 ± 1456
CD11a + CD7	3923 ± 3538	2355 ± 3206	3384 ± 3440	3897 ± 3415	2613 ± 3023
CD11a + CD8a	2777 ± 2112	2025 ± 2416	2449 ± 2298	2995 ± 2131	2255 ± 2242
CD11a + CK14	4 ± 6	4 ± 6	4 ± 6	4 ± 6	6 ± 6
CD11a + CLA	1743 ± 917	1099 ± 982	1612 ± 1246	1587 ± 782	1436 ± 703
CD11a + c-myc	135 ± 158	64 ± 134	65 ± 133	123 ± 181	74 ± 129
CD11a + Collagen IV	867 ± 915	390 ± 568	485 ± 562	616 ± 557	528 ± 548
CD11a + FXIIIA	266 ± 230	155 ± 88	140 ± 103	341 ± 423	177 ± 78
CD11a + HLA-DR	7087 ± 4424	3949 ± 4101	4986 ± 3872	6277 ± 3674	4583 ± 3565
CD11a + IL-22R	3 ± 5	3 ± 5	3 ± 5	11 ± 21	3 ± 5
CD11a + IL-23R	11 ± 17	3 ± 6	3 ± 6	71 ± 180	3 ± 6
CD11a + Ki67	34 ± 57	5 ± 9	6 ± 8	7 ± 8	21 ± 26
CD11a + PI	6603 ± 5245	4018 ± 5273	4760 ± 5024	5794 ± 4657	4565 ± 4893
CD11a + Podoplanin	338 ± 638	83 ± 163	78 ± 165	325 ± 633	104 ± 164
CD11a + SNA1	2175 ± 2750	562 ± 538	689 ± 517	938 ± 773	651 ± 487
CD11a + STAT3	15 ± 20	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD11a + TIA1	810 ± 778	589 ± 866	648 ± 827	900 ± 814	670 ± 813
CD11a + Vimentin	3220 ± 3040	1752 ± 2685	2070 ± 2615	2897 ± 3119	1983 ± 2565

Tabelle 511: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	46 ± 52	56 ± 59	39 ± 54	85 ± 117	61 ± 67
CD11b + BCL2	255 ± 126	211 ± 167	202 ± 175	208 ± 168	322 ± 156
CD11b + CCR6	304 ± 390	275 ± 407	281 ± 403	358 ± 386	404 ± 436
CD11b + CD11a	3330 ± 2811	2196 ± 2906	2162 ± 2932	2938 ± 2643	2628 ± 2671
CD11b + CD120a	15 ± 16	11 ± 15	11 ± 15	40 ± 67	12 ± 15
CD11b + CD120b	279 ± 305	241 ± 321	230 ± 328	414 ± 393	340 ± 314
CD11b + CD138	25 ± 38	22 ± 39	24 ± 38	29 ± 38	28 ± 37
CD11b + CD15	437 ± 737	104 ± 111	94 ± 114	967 ± 2141	117 ± 111
CD11b + CD1a	10 ± 24	17 ± 27	10 ± 24	10 ± 24	12 ± 23
CD11b + CD2	2711 ± 2440	2164 ± 2614	2103 ± 2665	2516 ± 2467	2763 ± 2490
CD11b + CD207	82 ± 196	86 ± 194	82 ± 196	91 ± 193	135 ± 219
CD11b + CD24	284 ± 105	190 ± 125	184 ± 134	1113 ± 1812	302 ± 156
CD11b + CD28	1433 ± 1537	1096 ± 1671	1095 ± 1671	1557 ± 1607	1327 ± 1551
CD11b + CD29	930 ± 661	800 ± 728	761 ± 765	1049 ± 719	1236 ± 901
CD11b + CD3	2787 ± 2532	2289 ± 2666	2144 ± 2775	3347 ± 2731	2995 ± 2409
CD11b + CD31	41 ± 50	42 ± 50	38 ± 52	98 ± 121	43 ± 50
CD11b + CD4	4013 ± 2880	3279 ± 2995	3088 ± 3171	3882 ± 2809	4306 ± 2527
CD11b + CD44	5990 ± 2365	5052 ± 3338	4944 ± 3470	7329 ± 3920	7247 ± 2790
CD11b + CD45	2730 ± 2259	1651 ± 1941	1622 ± 1966	2225 ± 1734	1959 ± 1759
CD11b + CD45RA	1134 ± 945	1008 ± 1043	968 ± 1080	1217 ± 951	1186 ± 930
CD11b + CD45RO	1687 ± 2032	901 ± 1640	903 ± 1638	1567 ± 1679	958 ± 1613
CD11b + CD52	1507 ± 2137	1242 ± 2249	1223 ± 2260	1661 ± 2115	1474 ± 2195
CD11b + CD54	3540 ± 3060	2722 ± 2848	2581 ± 2964	3209 ± 2548	3926 ± 2579
CD11b + CD56	272 ± 165	246 ± 177	220 ± 201	329 ± 240	297 ± 207
CD11b + CD58	282 ± 391	270 ± 397	255 ± 406	368 ± 373	297 ± 389
CD11b + CD62E	7 ± 15	6 ± 15	12 ± 20	15 ± 19	6 ± 15
CD11b + CD62P	16 ± 22	18 ± 21	19 ± 21	23 ± 20	16 ± 22
CD11b + CD68	2150 ± 2403	1856 ± 2552	1930 ± 2497	2309 ± 2293	2201 ± 2354
CD11b + CD7	1437 ± 1522	1053 ± 1563	1073 ± 1549	1343 ± 1478	1276 ± 1462
CD11b + CD8a	950 ± 966	855 ± 1010	781 ± 1065	1082 ± 1037	949 ± 962
CD11b + CK14	13 ± 23	13 ± 23	13 ± 23	14 ± 23	16 ± 23
CD11b + CLA	802 ± 426	629 ± 547	629 ± 549	1021 ± 495	892 ± 432
CD11b + c-myc	256 ± 280	189 ± 301	191 ± 300	222 ± 290	264 ± 282
CD11b + Collagen IV	891 ± 686	778 ± 710	729 ± 748	1225 ± 873	1255 ± 1165
CD11b + FXIIIA	2297 ± 2011	2260 ± 2049	2211 ± 2079	2833 ± 2197	3381 ± 2068
CD11b + HLA-DR	8106 ± 3590	7133 ± 4808	7090 ± 4855	9885 ± 5645	9711 ± 2912
CD11b + IL-22R	4 ± 9	4 ± 8	4 ± 9	5 ± 9	4 ± 8
CD11b + IL-23R	100 ± 62	73 ± 71	84 ± 64	141 ± 85	117 ± 64
CD11b + Ki67	11 ± 9	6 ± 9	6 ± 9	8 ± 9	49 ± 76
CD11b + PI	4291 ± 2640	3703 ± 3100	3539 ± 3272	4820 ± 3566	4863 ± 2561
CD11b + Podoplanin	194 ± 177	156 ± 136	122 ± 146	140 ± 132	208 ± 190
CD11b + SNA1	2783 ± 1017	2000 ± 1194	1999 ± 1174	2430 ± 894	2728 ± 1007
CD11b + STAT3	38 ± 46	31 ± 49	30 ± 50	32 ± 49	37 ± 48
CD11b + TIA1	551 ± 727	411 ± 778	416 ± 775	1069 ± 1577	458 ± 754
CD11b + Vimentin	3845 ± 2707	3367 ± 3048	3289 ± 3115	4270 ± 3123	4642 ± 2789

Tabelle 512: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	1 ± 1	0 ± 1	1 ± 1	2 ± 3	0 ± 1
CD120a + CCR6	1 ± 1	0 ± 0	0 ± 0	3 ± 7	0 ± 0
CD120a + CD11a	14 ± 23	5 ± 7	6 ± 6	141 ± 357	5 ± 7
CD120a + CD11b	15 ± 16	11 ± 15	11 ± 15	40 ± 67	12 ± 15
CD120a + CD120b	12 ± 15	10 ± 15	11 ± 15	29 ± 44	11 ± 15
CD120a + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD15	3 ± 4	1 ± 2	1 ± 2	9 ± 21	1 ± 2
CD120a + CD1a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD120a + CD2	9 ± 12	6 ± 11	6 ± 11	29 ± 58	6 ± 11
CD120a + CD207	0 ± 0	0 ± 0	4 ± 10	0 ± 1	0 ± 0
CD120a + CD24	12 ± 14	11 ± 15	11 ± 15	24 ± 32	11 ± 15
CD120a + CD28	8 ± 11	4 ± 7	5 ± 7	65 ± 159	4 ± 7
CD120a + CD29	14 ± 18	8 ± 11	8 ± 11	13 ± 15	8 ± 11
CD120a + CD3	12 ± 14	7 ± 11	8 ± 11	96 ± 229	7 ± 11
CD120a + CD31	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD120a + CD4	20 ± 24	10 ± 14	12 ± 13	122 ± 290	10 ± 14
CD120a + CD44	51 ± 43	35 ± 41	43 ± 38	196 ± 401	36 ± 40
CD120a + CD45	15 ± 27	4 ± 6	8 ± 9	173 ± 444	4 ± 6
CD120a + CD45RA	9 ± 13	5 ± 9	5 ± 9	11 ± 18	5 ± 9
CD120a + CD45RO	8 ± 14	2 ± 3	2 ± 3	84 ± 217	2 ± 3
CD120a + CD52	6 ± 10	6 ± 10	6 ± 10	55 ± 128	5 ± 10
CD120a + CD54	29 ± 42	14 ± 24	16 ± 23	182 ± 438	14 ± 24
CD120a + CD56	1 ± 2	1 ± 1	0 ± 1	13 ± 34	0 ± 1
CD120a + CD58	3 ± 3	2 ± 3	3 ± 3	65 ± 164	3 ± 3
CD120a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD68	4 ± 4	3 ± 4	5 ± 5	38 ± 88	3 ± 4
CD120a + CD7	7 ± 9	3 ± 4	4 ± 4	33 ± 77	3 ± 4
CD120a + CD8a	2 ± 2	2 ± 2	2 ± 2	5 ± 7	2 ± 2
CD120a + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CLA	4 ± 6	2 ± 2	5 ± 9	11 ± 25	2 ± 2
CD120a + c-myc	5 ± 7	2 ± 2	2 ± 2	17 ± 35	2 ± 2
CD120a + Collagen IV	21 ± 26	10 ± 12	11 ± 12	31 ± 48	11 ± 12
CD120a + FXIIIA	6 ± 10	6 ± 10	10 ± 10	13 ± 18	9 ± 10
CD120a + HLA-DR	56 ± 45	37 ± 44	48 ± 38	205 ± 415	39 ± 42
CD120a + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120a + IL-23R	0 ± 0	0 ± 0	1 ± 3	45 ± 118	0 ± 0
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	13 ± 14	9 ± 13	11 ± 13	20 ± 25	9 ± 13
CD120a + Podoplanin	1 ± 1	1 ± 1	1 ± 1	8 ± 20	0 ± 0
CD120a + SNA1	37 ± 43	17 ± 26	23 ± 24	47 ± 72	18 ± 25
CD120a + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + TIA1	1 ± 1	1 ± 1	1 ± 1	7 ± 17	1 ± 1
CD120a + Vimentin	14 ± 11	10 ± 11	16 ± 16	49 ± 99	10 ± 10

Tabelle 513: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	7 ± 14	3 ± 5	2 ± 4	5 ± 8	3 ± 5
CD120b + BCL2	26 ± 36	16 ± 36	20 ± 36	28 ± 43	19 ± 35
CD120b + CCR6	62 ± 108	46 ± 109	50 ± 108	77 ± 118	54 ± 107
CD120b + CD11a	499 ± 583	272 ± 529	352 ± 528	521 ± 615	325 ± 507
CD120b + CD11b	279 ± 305	241 ± 321	230 ± 328	414 ± 393	340 ± 314
CD120b + CD120a	12 ± 15	10 ± 15	11 ± 15	29 ± 44	11 ± 15
CD120b + CD138	3 ± 6	2 ± 5	3 ± 5	2 ± 5	2 ± 5
CD120b + CD15	104 ± 120	86 ± 128	104 ± 123	182 ± 163	150 ± 180
CD120b + CD1a	19 ± 34	8 ± 21	10 ± 21	9 ± 21	8 ± 22
CD120b + CD2	297 ± 445	226 ± 463	280 ± 457	342 ± 486	289 ± 454
CD120b + CD207	40 ± 67	29 ± 67	36 ± 66	31 ± 67	38 ± 67
CD120b + CD24	1363 ± 866	906 ± 795	1136 ± 669	1623 ± 1740	1289 ± 699
CD120b + CD28	387 ± 488	236 ± 473	297 ± 466	532 ± 663	307 ± 462
CD120b + CD29	881 ± 535	509 ± 424	706 ± 352	839 ± 722	816 ± 439
CD120b + CD3	584 ± 633	369 ± 594	462 ± 583	823 ± 811	534 ± 587
CD120b + CD31	4 ± 8	3 ± 8	4 ± 8	4 ± 8	5 ± 8
CD120b + CD4	448 ± 559	262 ± 501	330 ± 497	459 ± 590	356 ± 490
CD120b + CD44	1796 ± 1073	1170 ± 957	1447 ± 789	2163 ± 1670	1603 ± 787
CD120b + CD45	482 ± 586	233 ± 432	316 ± 442	573 ± 870	281 ± 418
CD120b + CD45RA	660 ± 708	289 ± 335	288 ± 339	384 ± 323	454 ± 350
CD120b + CD45RO	228 ± 362	147 ± 367	191 ± 365	313 ± 498	153 ± 365
CD120b + CD52	340 ± 504	266 ± 532	322 ± 521	489 ± 638	339 ± 525
CD120b + CD54	692 ± 878	363 ± 428	367 ± 425	576 ± 528	516 ± 415
CD120b + CD56	30 ± 24	16 ± 16	18 ± 14	28 ± 21	26 ± 24
CD120b + CD58	102 ± 153	82 ± 159	78 ± 161	203 ± 309	81 ± 159
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120b + CD62P	11 ± 16	11 ± 16	11 ± 16	11 ± 16	11 ± 16
CD120b + CD68	100 ± 143	69 ± 141	91 ± 141	134 ± 187	76 ± 138
CD120b + CD7	337 ± 462	218 ± 453	307 ± 463	409 ± 537	254 ± 442
CD120b + CD8a	162 ± 241	139 ± 250	161 ± 246	200 ± 239	170 ± 243
CD120b + CK14	0 ± 1	1 ± 1	0 ± 1	0 ± 1	2 ± 3
CD120b + CLA	105 ± 130	71 ± 129	109 ± 147	116 ± 143	107 ± 133
CD120b + c-myc	18 ± 32	6 ± 13	6 ± 13	11 ± 17	7 ± 13
CD120b + Collagen IV	217 ± 224	131 ± 120	148 ± 120	202 ± 214	217 ± 232
CD120b + FXIIIA	17 ± 14	15 ± 12	18 ± 11	24 ± 15	22 ± 14
CD120b + HLA-DR	1331 ± 825	815 ± 653	983 ± 590	1622 ± 1494	1144 ± 589
CD120b + IL-22R	1 ± 2	1 ± 2	1 ± 2	5 ± 10	1 ± 2
CD120b + IL-23R	1 ± 3	0 ± 1	1 ± 1	14 ± 35	0 ± 1
CD120b + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120b + PI	815 ± 733	508 ± 521	539 ± 512	707 ± 672	737 ± 541
CD120b + Podoplanin	46 ± 82	16 ± 25	14 ± 26	27 ± 32	26 ± 34
CD120b + SNA1	627 ± 466	331 ± 242	424 ± 221	464 ± 349	491 ± 295
CD120b + STAT3	3 ± 6	1 ± 1	1 ± 2	1 ± 1	2 ± 2
CD120b + TIA1	44 ± 68	39 ± 71	40 ± 70	54 ± 71	44 ± 69
CD120b + Vimentin	140 ± 233	110 ± 240	134 ± 240	167 ± 257	130 ± 238

Tabelle 514: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	82 ± 135	47 ± 115	52 ± 114	47 ± 115	47 ± 115
CD138 + BCL2	21 ± 33	13 ± 30	20 ± 32	14 ± 30	13 ± 30
CD138 + CCR6	64 ± 101	30 ± 68	41 ± 69	32 ± 68	34 ± 67
CD138 + CD11a	18 ± 40	3 ± 6	3 ± 6	5 ± 7	3 ± 6
CD138 + CD11b	25 ± 38	22 ± 39	24 ± 38	29 ± 38	28 ± 37
CD138 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD120b	3 ± 6	2 ± 5	3 ± 5	2 ± 5	2 ± 5
CD138 + CD15	9 ± 14	4 ± 9	7 ± 9	6 ± 9	4 ± 8
CD138 + CD1a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD2	19 ± 35	6 ± 13	6 ± 13	9 ± 13	15 ± 24
CD138 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD24	6 ± 13	5 ± 13	6 ± 13	7 ± 14	6 ± 13
CD138 + CD28	12 ± 21	3 ± 5	8 ± 12	6 ± 8	3 ± 5
CD138 + CD29	85 ± 113	46 ± 83	63 ± 79	53 ± 80	51 ± 80
CD138 + CD3	16 ± 33	4 ± 8	5 ± 8	13 ± 23	9 ± 15
CD138 + CD31	2 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD138 + CD4	24 ± 58	2 ± 4	3 ± 3	8 ± 15	5 ± 7
CD138 + CD44	82 ± 111	40 ± 63	54 ± 62	55 ± 65	49 ± 61
CD138 + CD45	25 ± 50	5 ± 11	6 ± 11	7 ± 11	5 ± 11
CD138 + CD45RA	86 ± 136	51 ± 119	61 ± 117	55 ± 118	56 ± 117
CD138 + CD45RO	64 ± 122	49 ± 123	59 ± 120	53 ± 122	52 ± 122
CD138 + CD52	19 ± 32	7 ± 15	12 ± 18	8 ± 14	7 ± 15
CD138 + CD54	46 ± 77	19 ± 46	34 ± 53	26 ± 45	30 ± 48
CD138 + CD56	97 ± 142	60 ± 128	79 ± 124	71 ± 125	65 ± 126
CD138 + CD58	36 ± 50	31 ± 52	33 ± 51	36 ± 50	31 ± 52
CD138 + CD62E	4 ± 9	4 ± 9	7 ± 11	6 ± 9	5 ± 9
CD138 + CD62P	17 ± 32	17 ± 32	20 ± 31	18 ± 31	19 ± 31
CD138 + CD68	68 ± 102	32 ± 68	43 ± 66	34 ± 67	36 ± 67
CD138 + CD7	13 ± 20	5 ± 9	7 ± 8	6 ± 8	6 ± 9
CD138 + CD8a	9 ± 12	5 ± 10	6 ± 10	6 ± 10	5 ± 10
CD138 + CK14	36 ± 69	36 ± 68	36 ± 69	36 ± 69	36 ± 68
CD138 + CLA	6 ± 9	3 ± 7	7 ± 10	4 ± 7	4 ± 7
CD138 + c-myc	72 ± 104	36 ± 72	55 ± 78	37 ± 71	38 ± 71
CD138 + Collagen IV	17 ± 20	12 ± 19	20 ± 19	22 ± 27	15 ± 18
CD138 + FXIIIA	84 ± 126	46 ± 103	59 ± 102	50 ± 101	55 ± 99
CD138 + HLA-DR	124 ± 138	87 ± 133	106 ± 122	105 ± 128	98 ± 126
CD138 + IL-22R	2 ± 6	2 ± 6	3 ± 6	2 ± 6	2 ± 6
CD138 + IL-23R	12 ± 20	12 ± 20	14 ± 19	13 ± 19	15 ± 19
CD138 + Ki67	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 1
CD138 + PI	58 ± 73	33 ± 55	43 ± 53	44 ± 55	40 ± 53
CD138 + Podoplanin	79 ± 124	46 ± 107	57 ± 106	47 ± 107	50 ± 105
CD138 + SNA1	89 ± 114	52 ± 88	71 ± 83	61 ± 86	59 ± 85
CD138 + STAT3	86 ± 137	56 ± 129	73 ± 128	57 ± 128	58 ± 128
CD138 + TIA1	39 ± 64	27 ± 62	33 ± 61	27 ± 62	27 ± 62
CD138 + Vimentin	71 ± 99	34 ± 56	55 ± 56	38 ± 55	42 ± 53

Tabelle 515: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	7 ± 10	4 ± 3	4 ± 4	4 ± 3	4 ± 3
CD15 + BCL2	18 ± 41	24 ± 42	18 ± 41	21 ± 40	18 ± 41
CD15 + CCR6	8 ± 13	2 ± 2	4 ± 4	10 ± 13	4 ± 5
CD15 + CD11a	207 ± 452	34 ± 33	28 ± 33	187 ± 381	30 ± 33
CD15 + CD11b	437 ± 737	104 ± 111	94 ± 114	967 ± 2141	117 ± 111
CD15 + CD120a	3 ± 4	1 ± 2	1 ± 2	9 ± 21	1 ± 2
CD15 + CD120b	104 ± 120	86 ± 128	104 ± 123	182 ± 163	150 ± 180
CD15 + CD138	9 ± 14	4 ± 9	7 ± 9	6 ± 9	4 ± 8
CD15 + CD1a	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + CD2	153 ± 303	42 ± 59	36 ± 59	82 ± 100	44 ± 60
CD15 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD24	218 ± 169	121 ± 169	144 ± 160	732 ± 1367	199 ± 222
CD15 + CD28	68 ± 136	13 ± 23	14 ± 23	88 ± 162	16 ± 23
CD15 + CD29	200 ± 204	158 ± 205	177 ± 200	239 ± 207	241 ± 266
CD15 + CD3	197 ± 358	63 ± 56	57 ± 55	310 ± 540	72 ± 63
CD15 + CD31	1 ± 1	1 ± 1	1 ± 1	19 ± 35	1 ± 1
CD15 + CD4	233 ± 491	58 ± 67	42 ± 61	149 ± 217	49 ± 59
CD15 + CD44	349 ± 259	250 ± 205	244 ± 203	740 ± 871	323 ± 279
CD15 + CD45	208 ± 485	25 ± 25	20 ± 22	301 ± 730	21 ± 22
CD15 + CD45RA	58 ± 48	40 ± 38	38 ± 39	70 ± 58	52 ± 46
CD15 + CD45RO	208 ± 516	12 ± 16	14 ± 16	304 ± 750	11 ± 16
CD15 + CD52	59 ± 94	23 ± 26	21 ± 25	195 ± 428	29 ± 34
CD15 + CD54	321 ± 629	87 ± 87	73 ± 90	256 ± 415	105 ± 100
CD15 + CD56	13 ± 20	9 ± 11	7 ± 6	14 ± 18	5 ± 6
CD15 + CD58	6 ± 5	3 ± 3	3 ± 3	42 ± 97	3 ± 3
CD15 + CD62E	2 ± 4	1 ± 2	3 ± 6	7 ± 10	3 ± 6
CD15 + CD62P	15 ± 24	15 ± 24	17 ± 23	18 ± 22	17 ± 23
CD15 + CD68	65 ± 84	46 ± 42	31 ± 31	162 ± 270	37 ± 30
CD15 + CD7	115 ± 241	21 ± 31	26 ± 29	68 ± 97	25 ± 30
CD15 + CD8a	42 ± 81	10 ± 8	8 ± 4	39 ± 69	13 ± 15
CD15 + CK14	0 ± 1	1 ± 1	0 ± 1	1 ± 2	0 ± 1
CD15 + CLA	86 ± 124	22 ± 27	24 ± 25	200 ± 443	32 ± 34
CD15 + c-myc	30 ± 57	10 ± 16	10 ± 16	44 ± 90	8 ± 16
CD15 + Collagen IV	85 ± 139	37 ± 41	32 ± 41	181 ± 248	54 ± 66
CD15 + FXIIIA	55 ± 86	22 ± 29	19 ± 27	120 ± 229	22 ± 27
CD15 + HLA-DR	326 ± 248	205 ± 143	188 ± 146	617 ± 710	249 ± 184
CD15 + IL-22R	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD15 + IL-23R	1 ± 1	0 ± 1	0 ± 1	21 ± 51	0 ± 1
CD15 + Ki67	0 ± 0	1 ± 3	0 ± 0	1 ± 3	0 ± 1
CD15 + PI	202 ± 241	96 ± 67	83 ± 71	149 ± 88	135 ± 131
CD15 + Podoplanin	12 ± 14	18 ± 27	8 ± 8	14 ± 15	10 ± 9
CD15 + SNA1	260 ± 342	111 ± 91	129 ± 92	403 ± 499	139 ± 109
CD15 + STAT3	8 ± 16	1 ± 2	3 ± 5	2 ± 2	1 ± 2
CD15 + TIA1	131 ± 155	42 ± 99	45 ± 98	510 ± 1222	43 ± 98
CD15 + Vimentin	149 ± 205	154 ± 215	116 ± 209	311 ± 330	146 ± 207

Tabelle 516: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	3 ± 5	3 ± 5	2 ± 5	2 ± 5	2 ± 5
CD1a + CCR6	6 ± 11	5 ± 11	5 ± 11	5 ± 11	5 ± 11
CD1a + CD11a	40 ± 50	32 ± 43	28 ± 43	26 ± 43	25 ± 44
CD1a + CD11b	10 ± 24	17 ± 27	10 ± 24	10 ± 24	12 ± 23
CD1a + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD1a + CD120b	19 ± 34	8 ± 21	10 ± 21	9 ± 21	8 ± 22
CD1a + CD138	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD1a + CD15	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD1a + CD2	33 ± 48	30 ± 50	29 ± 50	29 ± 50	28 ± 50
CD1a + CD207	35 ± 39	27 ± 38	24 ± 38	26 ± 37	24 ± 38
CD1a + CD24	8 ± 19	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD1a + CD28	35 ± 43	25 ± 41	24 ± 41	24 ± 41	23 ± 41
CD1a + CD29	8 ± 16	2 ± 5	2 ± 5	2 ± 4	2 ± 5
CD1a + CD3	41 ± 53	37 ± 49	30 ± 48	29 ± 48	28 ± 49
CD1a + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + CD4	38 ± 48	38 ± 50	32 ± 49	31 ± 49	30 ± 50
CD1a + CD44	44 ± 48	33 ± 42	27 ± 40	28 ± 39	26 ± 40
CD1a + CD45	44 ± 51	35 ± 46	29 ± 45	29 ± 44	27 ± 46
CD1a + CD45RA	16 ± 38	6 ± 12	1 ± 3	2 ± 3	1 ± 3
CD1a + CD45RO	25 ± 32	17 ± 33	19 ± 32	17 ± 33	17 ± 33
CD1a + CD52	27 ± 45	30 ± 44	27 ± 45	27 ± 45	26 ± 46
CD1a + CD54	43 ± 55	37 ± 49	29 ± 48	30 ± 47	29 ± 48
CD1a + CD56	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD1a + CD58	13 ± 15	14 ± 16	8 ± 14	9 ± 13	8 ± 14
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	5 ± 11	5 ± 11	5 ± 11	6 ± 11	4 ± 11
CD1a + CD7	23 ± 33	17 ± 33	19 ± 33	17 ± 33	16 ± 33
CD1a + CD8a	14 ± 27	19 ± 27	15 ± 26	14 ± 26	14 ± 27
CD1a + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CLA	13 ± 17	11 ± 18	13 ± 18	12 ± 17	11 ± 18
CD1a + c-myc	2 ± 3	2 ± 3	1 ± 2	1 ± 2	1 ± 2
CD1a + Collagen IV	3 ± 4	3 ± 5	1 ± 3	1 ± 3	1 ± 3
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	43 ± 47	33 ± 41	27 ± 38	27 ± 38	24 ± 40
CD1a + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD1a + IL-23R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + PI	38 ± 43	30 ± 37	23 ± 36	23 ± 36	22 ± 37
CD1a + Podoplanin	7 ± 13	2 ± 6	2 ± 6	2 ± 6	3 ± 6
CD1a + SNA1	22 ± 33	10 ± 12	8 ± 11	7 ± 12	7 ± 12
CD1a + STAT3	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + TIA1	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD1a + Vimentin	17 ± 25	22 ± 31	15 ± 26	14 ± 26	14 ± 26

Tabelle 517: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	42 ± 67	28 ± 54	24 ± 55	34 ± 57	60 ± 101
CD2 + BCL2	760 ± 635	420 ± 574	510 ± 545	615 ± 639	516 ± 517
CD2 + CCR6	513 ± 563	371 ± 557	420 ± 530	710 ± 769	546 ± 611
CD2 + CD11a	6434 ± 5346	4301 ± 5600	5336 ± 5389	6364 ± 5571	4784 ± 5263
CD2 + CD11b	2711 ± 2440	2164 ± 2614	2103 ± 2665	2516 ± 2467	2763 ± 2490
CD2 + CD120a	9 ± 12	6 ± 11	6 ± 11	29 ± 58	6 ± 11
CD2 + CD120b	297 ± 445	226 ± 463	280 ± 457	342 ± 486	289 ± 454
CD2 + CD138	19 ± 35	6 ± 13	6 ± 13	9 ± 13	15 ± 24
CD2 + CD15	153 ± 303	42 ± 59	36 ± 59	82 ± 100	44 ± 60
CD2 + CD1a	33 ± 48	30 ± 50	29 ± 50	29 ± 50	28 ± 50
CD2 + CD207	204 ± 344	188 ± 352	205 ± 345	202 ± 345	239 ± 347
CD2 + CD24	82 ± 87	55 ± 79	70 ± 79	92 ± 81	87 ± 94
CD2 + CD28	4053 ± 4043	2911 ± 4385	3288 ± 4213	4145 ± 4082	3256 ± 4184
CD2 + CD29	606 ± 428	395 ± 300	411 ± 285	446 ± 248	710 ± 724
CD2 + CD3	6777 ± 5743	4837 ± 6179	5828 ± 5872	7175 ± 5863	5887 ± 5757
CD2 + CD31	38 ± 56	36 ± 56	35 ± 57	65 ± 64	50 ± 61
CD2 + CD4	6935 ± 6136	4878 ± 6304	5774 ± 6020	6928 ± 6038	5709 ± 5900
CD2 + CD44	5475 ± 4008	3620 ± 3851	4453 ± 3665	5359 ± 3483	4822 ± 3822
CD2 + CD45	5591 ± 4678	3388 ± 4364	4388 ± 4297	5165 ± 4632	3845 ± 4094
CD2 + CD45RA	1294 ± 1056	934 ± 1141	1219 ± 1127	1441 ± 1125	1088 ± 1061
CD2 + CD45RO	3949 ± 4166	2193 ± 3829	2748 ± 3744	3748 ± 4124	2341 ± 3752
CD2 + CD52	3887 ± 4242	2737 ± 4569	3270 ± 4433	3795 ± 4341	3195 ± 4414
CD2 + CD54	4481 ± 4660	3005 ± 4058	3052 ± 4024	4301 ± 4193	3728 ± 3822
CD2 + CD56	192 ± 243	87 ± 54	89 ± 54	144 ± 98	82 ± 58
CD2 + CD58	412 ± 547	365 ± 572	360 ± 575	495 ± 565	371 ± 568
CD2 + CD62E	1 ± 3	1 ± 3	2 ± 3	2 ± 3	1 ± 3
CD2 + CD62P	2 ± 3	2 ± 4	2 ± 3	4 ± 7	2 ± 3
CD2 + CD68	1091 ± 1564	801 ± 1550	1039 ± 1543	1095 ± 1554	841 ± 1529
CD2 + CD7	3529 ± 3250	2313 ± 3194	3175 ± 3269	3557 ± 3210	2666 ± 2997
CD2 + CD8a	2614 ± 2081	2044 ± 2330	2411 ± 2216	2807 ± 2014	2361 ± 2169
CD2 + CK14	9 ± 18	9 ± 18	8 ± 18	8 ± 18	12 ± 19
CD2 + CLA	1544 ± 849	1098 ± 940	1510 ± 1056	1459 ± 661	1570 ± 897
CD2 + c-myc	78 ± 114	53 ± 114	53 ± 114	63 ± 111	70 ± 113
CD2 + Collagen IV	613 ± 547	413 ± 461	449 ± 447	538 ± 411	809 ± 1026
CD2 + FXIIIA	337 ± 265	265 ± 187	228 ± 216	399 ± 334	352 ± 312
CD2 + HLA-DR	5201 ± 3263	3730 ± 3871	4382 ± 3604	4963 ± 3158	4627 ± 3588
CD2 + IL-22R	3 ± 5	3 ± 5	3 ± 5	7 ± 11	3 ± 5
CD2 + IL-23R	7 ± 8	2 ± 4	2 ± 4	37 ± 88	4 ± 4
CD2 + Ki67	16 ± 20	3 ± 5	4 ± 5	7 ± 6	22 ± 39
CD2 + PI	5884 ± 5029	4218 ± 5421	4790 ± 5154	5355 ± 4782	5151 ± 5100
CD2 + Podoplanin	224 ± 399	77 ± 136	67 ± 139	235 ± 431	76 ± 135
CD2 + SNA1	1407 ± 1554	595 ± 525	668 ± 510	819 ± 607	728 ± 537
CD2 + STAT3	11 ± 14	5 ± 7	5 ± 8	5 ± 8	6 ± 7
CD2 + TIA1	734 ± 785	567 ± 853	617 ± 819	762 ± 764	687 ± 799
CD2 + Vimentin	2975 ± 2674	2027 ± 2657	2297 ± 2566	3051 ± 2806	2630 ± 2688

Tabelle 518: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD207 + BCL2	9 ± 12	8 ± 12	12 ± 15	7 ± 12	11 ± 14
CD207 + CCR6	17 ± 30	15 ± 31	16 ± 31	16 ± 31	27 ± 40
CD207 + CD11a	175 ± 263	155 ± 271	170 ± 267	165 ± 267	189 ± 269
CD207 + CD11b	82 ± 196	86 ± 194	82 ± 196	91 ± 193	135 ± 219
CD207 + CD120a	0 ± 0	0 ± 0	4 ± 10	0 ± 1	0 ± 0
CD207 + CD120b	40 ± 67	29 ± 67	36 ± 66	31 ± 67	38 ± 67
CD207 + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD1a	35 ± 39	27 ± 38	24 ± 38	26 ± 37	24 ± 38
CD207 + CD2	204 ± 344	188 ± 352	205 ± 345	202 ± 345	239 ± 347
CD207 + CD24	10 ± 15	4 ± 9	5 ± 8	6 ± 9	4 ± 9
CD207 + CD28	154 ± 244	134 ± 252	143 ± 248	145 ± 247	172 ± 249
CD207 + CD29	11 ± 10	7 ± 7	9 ± 7	10 ± 8	32 ± 65
CD207 + CD3	214 ± 350	194 ± 359	210 ± 353	210 ± 353	241 ± 357
CD207 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD4	248 ± 406	232 ± 415	248 ± 408	249 ± 407	283 ± 410
CD207 + CD44	174 ± 201	145 ± 214	173 ± 210	162 ± 207	203 ± 236
CD207 + CD45	173 ± 234	147 ± 245	169 ± 240	157 ± 240	191 ± 251
CD207 + CD45RA	25 ± 42	14 ± 23	17 ± 28	11 ± 23	29 ± 52
CD207 + CD45RO	124 ± 221	104 ± 229	120 ± 224	113 ± 225	110 ± 226
CD207 + CD52	145 ± 281	142 ± 282	152 ± 278	151 ± 278	182 ± 281
CD207 + CD54	204 ± 330	186 ± 336	188 ± 334	197 ± 331	232 ± 335
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	27 ± 39	24 ± 39	20 ± 39	22 ± 39	21 ± 39
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	35 ± 85	35 ± 85	38 ± 84	38 ± 84	35 ± 85
CD207 + CD7	105 ± 170	86 ± 176	108 ± 174	90 ± 175	117 ± 178
CD207 + CD8a	37 ± 87	41 ± 86	51 ± 87	42 ± 85	47 ± 86
CD207 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CLA	53 ± 72	42 ± 77	77 ± 107	57 ± 78	84 ± 120
CD207 + c-myc	3 ± 4	2 ± 4	3 ± 5	2 ± 4	2 ± 4
CD207 + Collagen IV	18 ± 35	15 ± 36	20 ± 35	15 ± 36	23 ± 39
CD207 + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	8 ± 17
CD207 + HLA-DR	197 ± 239	165 ± 254	200 ± 250	182 ± 248	218 ± 263
CD207 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + PI	177 ± 252	156 ± 261	175 ± 256	166 ± 257	191 ± 260
CD207 + Podoplanin	19 ± 44	17 ± 44	17 ± 44	17 ± 44	17 ± 44
CD207 + SNA1	44 ± 49	22 ± 35	30 ± 35	21 ± 35	22 ± 35
CD207 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + TIA1	14 ± 37	14 ± 37	14 ± 37	15 ± 37	18 ± 37
CD207 + Vimentin	111 ± 200	112 ± 199	120 ± 197	109 ± 201	125 ± 197

Tabelle 519: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	7 ± 12	3 ± 4	2 ± 3	6 ± 10	3 ± 4
CD24 + BCL2	1 ± 4	1 ± 4	2 ± 4	2 ± 4	2 ± 4
CD24 + CCR6	11 ± 16	5 ± 6	7 ± 5	16 ± 16	11 ± 11
CD24 + CD11a	255 ± 289	99 ± 87	148 ± 121	367 ± 432	136 ± 63
CD24 + CD11b	284 ± 105	190 ± 125	184 ± 134	1113 ± 1812	302 ± 156
CD24 + CD120a	12 ± 14	11 ± 15	11 ± 15	24 ± 32	11 ± 15
CD24 + CD120b	1363 ± 866	906 ± 795	1136 ± 669	1623 ± 1740	1289 ± 699
CD24 + CD138	6 ± 13	5 ± 13	6 ± 13	7 ± 14	6 ± 13
CD24 + CD15	218 ± 169	121 ± 169	144 ± 160	732 ± 1367	199 ± 222
CD24 + CD1a	8 ± 19	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD24 + CD2	82 ± 87	55 ± 79	70 ± 79	92 ± 81	87 ± 94
CD24 + CD207	10 ± 15	4 ± 9	5 ± 8	6 ± 9	4 ± 9
CD24 + CD28	164 ± 192	73 ± 93	95 ± 92	211 ± 206	108 ± 102
CD24 + CD29	965 ± 525	651 ± 597	1036 ± 619	1054 ± 849	1031 ± 585
CD24 + CD3	340 ± 294	199 ± 154	282 ± 157	642 ± 674	344 ± 228
CD24 + CD31	2 ± 4	1 ± 4	2 ± 4	4 ± 6	2 ± 4
CD24 + CD4	198 ± 272	82 ± 91	105 ± 87	186 ± 180	147 ± 123
CD24 + CD44	1848 ± 947	1368 ± 1092	2028 ± 1050	2653 ± 2081	1917 ± 882
CD24 + CD45	258 ± 390	81 ± 99	133 ± 140	371 ± 682	101 ± 93
CD24 + CD45RA	605 ± 507	308 ± 245	331 ± 242	400 ± 238	502 ± 279
CD24 + CD45RO	56 ± 108	12 ± 15	21 ± 26	289 ± 690	14 ± 14
CD24 + CD52	172 ± 174	126 ± 193	173 ± 197	323 ± 392	181 ± 206
CD24 + CD54	512 ± 711	254 ± 290	267 ± 283	475 ± 454	425 ± 337
CD24 + CD56	31 ± 21	22 ± 22	31 ± 20	39 ± 28	36 ± 36
CD24 + CD58	46 ± 39	37 ± 42	34 ± 44	90 ± 109	36 ± 42
CD24 + CD62E	1 ± 4	0 ± 0	1 ± 2	8 ± 14	0 ± 0
CD24 + CD62P	22 ± 34	22 ± 34	23 ± 34	25 ± 33	22 ± 34
CD24 + CD68	47 ± 46	26 ± 25	60 ± 79	150 ± 295	33 ± 19
CD24 + CD7	129 ± 150	62 ± 62	122 ± 132	131 ± 97	77 ± 59
CD24 + CD8a	84 ± 47	68 ± 57	87 ± 57	132 ± 94	92 ± 58
CD24 + CK14	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD24 + CLA	65 ± 45	30 ± 24	53 ± 47	169 ± 325	52 ± 37
CD24 + c-myc	17 ± 26	7 ± 13	8 ± 13	27 ± 50	9 ± 13
CD24 + Collagen IV	189 ± 159	133 ± 86	204 ± 149	301 ± 276	234 ± 231
CD24 + FXIIIA	25 ± 20	17 ± 21	32 ± 27	89 ± 146	31 ± 24
CD24 + HLA-DR	1340 ± 588	930 ± 636	1335 ± 706	1966 ± 1888	1324 ± 537
CD24 + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 3	0 ± 1
CD24 + IL-23R	0 ± 0	0 ± 0	0 ± 1	19 ± 48	0 ± 1
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD24 + PI	736 ± 480	504 ± 323	597 ± 296	842 ± 842	798 ± 450
CD24 + Podoplanin	36 ± 70	11 ± 6	10 ± 7	18 ± 12	24 ± 37
CD24 + SNA1	601 ± 368	358 ± 268	530 ± 295	658 ± 436	546 ± 326
CD24 + STAT3	4 ± 7	2 ± 5	3 ± 5	3 ± 5	3 ± 5
CD24 + TIA1	84 ± 102	27 ± 33	28 ± 33	512 ± 1257	29 ± 32
CD24 + Vimentin	25 ± 23	18 ± 16	37 ± 51	115 ± 228	30 ± 42

Tabelle 520: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	28 ± 50	25 ± 51	24 ± 51	51 ± 78	30 ± 50
CD28 + BCL2	425 ± 342	235 ± 335	275 ± 318	348 ± 362	275 ± 308
CD28 + CCR6	382 ± 446	271 ± 438	293 ± 426	528 ± 591	344 ± 428
CD28 + CD11a	4344 ± 3940	2833 ± 4189	3262 ± 4014	4547 ± 4127	3123 ± 3996
CD28 + CD11b	1433 ± 1537	1096 ± 1671	1095 ± 1671	1557 ± 1607	1327 ± 1551
CD28 + CD120a	8 ± 11	4 ± 7	5 ± 7	65 ± 159	4 ± 7
CD28 + CD120b	387 ± 488	236 ± 473	297 ± 466	532 ± 663	307 ± 462
CD28 + CD138	12 ± 21	3 ± 5	8 ± 12	6 ± 8	3 ± 5
CD28 + CD15	68 ± 136	13 ± 23	14 ± 23	88 ± 162	16 ± 23
CD28 + CD1a	35 ± 43	25 ± 41	24 ± 41	24 ± 41	23 ± 41
CD28 + CD2	4053 ± 4043	2911 ± 4385	3288 ± 4213	4145 ± 4082	3256 ± 4184
CD28 + CD207	154 ± 244	134 ± 252	143 ± 248	145 ± 247	172 ± 249
CD28 + CD24	164 ± 192	73 ± 93	95 ± 92	211 ± 206	108 ± 102
CD28 + CD29	512 ± 422	265 ± 237	297 ± 211	413 ± 211	393 ± 258
CD28 + CD3	4726 ± 4328	3240 ± 4693	3695 ± 4491	5518 ± 4694	3681 ± 4423
CD28 + CD31	35 ± 45	30 ± 48	30 ± 48	58 ± 58	33 ± 47
CD28 + CD4	4656 ± 4549	3213 ± 4853	3631 ± 4665	5041 ± 4691	3614 ± 4610
CD28 + CD44	3729 ± 2870	2316 ± 2923	2713 ± 2761	4248 ± 3141	2717 ± 2677
CD28 + CD45	3905 ± 3380	2426 ± 3444	2866 ± 3289	4154 ± 3971	2700 ± 3267
CD28 + CD45RA	829 ± 767	491 ± 728	601 ± 705	810 ± 729	560 ± 697
CD28 + CD45RO	2541 ± 2767	1514 ± 2765	1796 ± 2685	2635 ± 2889	1585 ± 2725
CD28 + CD52	2875 ± 3309	2036 ± 3574	2311 ± 3466	3081 ± 3464	2241 ± 3476
CD28 + CD54	3181 ± 3381	2132 ± 3187	2187 ± 3149	3444 ± 3337	2418 ± 3008
CD28 + CD56	88 ± 81	35 ± 32	37 ± 30	82 ± 65	35 ± 32
CD28 + CD58	382 ± 466	308 ± 495	307 ± 496	653 ± 809	319 ± 488
CD28 + CD62E	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD28 + CD62P	3 ± 6	4 ± 6	3 ± 6	6 ± 8	3 ± 6
CD28 + CD68	482 ± 782	355 ± 788	442 ± 775	568 ± 832	381 ± 775
CD28 + CD7	2525 ± 2376	1646 ± 2442	2041 ± 2361	2698 ± 2434	1856 ± 2318
CD28 + CD8a	1293 ± 1410	1023 ± 1546	1155 ± 1490	1522 ± 1416	1108 ± 1492
CD28 + CK14	4 ± 6	4 ± 6	4 ± 6	4 ± 6	6 ± 8
CD28 + CLA	712 ± 533	463 ± 553	620 ± 570	669 ± 469	590 ± 490
CD28 + c-myc	53 ± 71	32 ± 70	32 ± 70	45 ± 72	35 ± 69
CD28 + Collagen IV	478 ± 462	269 ± 389	303 ± 376	438 ± 390	374 ± 402
CD28 + FXIIIA	121 ± 83	81 ± 91	81 ± 91	176 ± 146	115 ± 91
CD28 + HLA-DR	3453 ± 2503	2209 ± 2769	2517 ± 2610	3726 ± 2619	2546 ± 2542
CD28 + IL-22R	2 ± 3	2 ± 3	2 ± 3	8 ± 17	2 ± 3
CD28 + IL-23R	8 ± 7	3 ± 4	3 ± 3	48 ± 117	4 ± 3
CD28 + Ki67	8 ± 17	0 ± 0	0 ± 0	1 ± 2	3 ± 6
CD28 + PI	3639 ± 3444	2530 ± 3756	2741 ± 3637	3441 ± 3431	2841 ± 3571
CD28 + Podoplanin	215 ± 365	72 ± 164	71 ± 164	203 ± 337	78 ± 161
CD28 + SNA1	1059 ± 1196	341 ± 375	419 ± 355	572 ± 378	416 ± 323
CD28 + STAT3	8 ± 8	5 ± 8	5 ± 8	5 ± 8	5 ± 8
CD28 + TIA1	333 ± 356	261 ± 392	273 ± 384	380 ± 351	284 ± 378
CD28 + Vimentin	1608 ± 1616	1000 ± 1639	1115 ± 1594	1633 ± 1668	1159 ± 1573

Tabelle 521: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	410 ± 457	321 ± 456	335 ± 454	401 ± 472	389 ± 464
CD29 + BCL2	136 ± 106	84 ± 62	84 ± 61	86 ± 59	117 ± 49
CD29 + CCR6	167 ± 199	80 ± 72	100 ± 55	101 ± 53	148 ± 128
CD29 + CD11a	758 ± 723	336 ± 266	394 ± 241	444 ± 191	492 ± 260
CD29 + CD11b	930 ± 661	800 ± 728	761 ± 765	1049 ± 719	1236 ± 901
CD29 + CD120a	14 ± 18	8 ± 11	8 ± 11	13 ± 15	8 ± 11
CD29 + CD120b	881 ± 535	509 ± 424	706 ± 352	839 ± 722	816 ± 439
CD29 + CD138	85 ± 113	46 ± 83	63 ± 79	53 ± 80	51 ± 80
CD29 + CD15	200 ± 204	158 ± 205	177 ± 200	239 ± 207	241 ± 266
CD29 + CD1a	8 ± 16	2 ± 5	2 ± 5	2 ± 4	2 ± 5
CD29 + CD2	606 ± 428	395 ± 300	411 ± 285	446 ± 248	710 ± 724
CD29 + CD207	11 ± 10	7 ± 7	9 ± 7	10 ± 8	32 ± 65
CD29 + CD24	965 ± 525	651 ± 597	1036 ± 619	1054 ± 849	1031 ± 585
CD29 + CD28	512 ± 422	265 ± 237	297 ± 211	413 ± 211	393 ± 258
CD29 + CD3	917 ± 654	568 ± 430	674 ± 343	930 ± 690	993 ± 843
CD29 + CD31	417 ± 334	364 ± 377	389 ± 355	509 ± 425	416 ± 360
CD29 + CD4	1222 ± 1056	742 ± 619	783 ± 576	915 ± 588	1119 ± 833
CD29 + CD44	3038 ± 1587	2072 ± 1637	2729 ± 1206	2784 ± 1718	3216 ± 2091
CD29 + CD45	741 ± 881	287 ± 214	354 ± 203	370 ± 161	427 ± 280
CD29 + CD45RA	787 ± 625	383 ± 286	422 ± 250	430 ± 235	603 ± 303
CD29 + CD45RO	335 ± 467	112 ± 89	126 ± 78	162 ± 84	140 ± 91
CD29 + CD52	359 ± 255	213 ± 234	259 ± 232	311 ± 207	388 ± 446
CD29 + CD54	2252 ± 1645	1446 ± 1187	1558 ± 1068	1686 ± 967	2116 ± 1269
CD29 + CD56	768 ± 418	590 ± 416	751 ± 330	639 ± 414	843 ± 590
CD29 + CD58	356 ± 310	291 ± 342	306 ± 334	385 ± 305	313 ± 325
CD29 + CD62E	12 ± 22	8 ± 21	8 ± 21	12 ± 22	8 ± 21
CD29 + CD62P	74 ± 73	76 ± 71	76 ± 72	79 ± 69	76 ± 71
CD29 + CD68	830 ± 544	643 ± 574	740 ± 484	765 ± 504	770 ± 463
CD29 + CD7	432 ± 400	219 ± 163	301 ± 174	292 ± 112	312 ± 197
CD29 + CD8a	224 ± 95	185 ± 125	196 ± 118	224 ± 127	278 ± 220
CD29 + CK14	44 ± 59	46 ± 57	45 ± 58	45 ± 58	47 ± 57
CD29 + CLA	206 ± 141	150 ± 134	178 ± 127	188 ± 129	328 ± 388
CD29 + c-myc	611 ± 745	449 ± 768	478 ± 752	468 ± 756	478 ± 750
CD29 + Collagen IV	2156 ± 962	1645 ± 1217	1938 ± 918	1988 ± 1111	2586 ± 2234
CD29 + FXIIIA	407 ± 327	312 ± 312	331 ± 307	340 ± 319	424 ± 328
CD29 + HLA-DR	3062 ± 1240	2104 ± 1570	2620 ± 1114	2801 ± 1729	3112 ± 1882
CD29 + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD29 + IL-23R	44 ± 47	36 ± 51	37 ± 50	45 ± 45	61 ± 53
CD29 + Ki67	7 ± 10	5 ± 10	5 ± 10	5 ± 10	16 ± 28
CD29 + PI	2035 ± 954	1432 ± 981	1600 ± 787	1803 ± 1066	2259 ± 1700
CD29 + Podoplanin	212 ± 205	129 ± 92	119 ± 97	125 ± 93	173 ± 157
CD29 + SNA1	2359 ± 1034	1462 ± 839	1828 ± 476	1808 ± 803	1928 ± 535
CD29 + STAT3	98 ± 107	55 ± 76	72 ± 82	53 ± 78	60 ± 76
CD29 + TIA1	103 ± 66	80 ± 80	88 ± 73	128 ± 93	97 ± 72
CD29 + Vimentin	1570 ± 658	1136 ± 753	1283 ± 590	1299 ± 704	1626 ± 939

Tabelle 522: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	40 ± 59	47 ± 69	25 ± 52	107 ± 212	63 ± 105
CD3 + BCL2	694 ± 571	374 ± 503	456 ± 479	558 ± 578	495 ± 450
CD3 + CCR6	533 ± 579	384 ± 574	436 ± 544	778 ± 806	555 ± 616
CD3 + CD11a	7435 ± 5864	4789 ± 6057	5982 ± 5847	8050 ± 6483	5560 ± 5525
CD3 + CD11b	2787 ± 2532	2289 ± 2666	2144 ± 2775	3347 ± 2731	2995 ± 2409
CD3 + CD120a	12 ± 14	7 ± 11	8 ± 11	96 ± 229	7 ± 11
CD3 + CD120b	584 ± 633	369 ± 594	462 ± 583	823 ± 811	534 ± 587
CD3 + CD138	16 ± 33	4 ± 8	5 ± 8	13 ± 23	9 ± 15
CD3 + CD15	197 ± 358	63 ± 56	57 ± 55	310 ± 540	72 ± 63
CD3 + CD1a	41 ± 53	37 ± 49	30 ± 48	29 ± 48	28 ± 49
CD3 + CD2	6777 ± 5743	4837 ± 6179	5828 ± 5872	7175 ± 5863	5887 ± 5757
CD3 + CD207	214 ± 350	194 ± 359	210 ± 353	210 ± 353	241 ± 357
CD3 + CD24	340 ± 294	199 ± 154	282 ± 157	642 ± 674	344 ± 228
CD3 + CD28	4726 ± 4328	3240 ± 4693	3695 ± 4491	5518 ± 4694	3681 ± 4423
CD3 + CD29	917 ± 654	568 ± 430	674 ± 343	930 ± 690	993 ± 843
CD3 + CD31	47 ± 36	44 ± 38	37 ± 40	125 ± 164	53 ± 46
CD3 + CD4	7852 ± 6753	5478 ± 6837	6502 ± 6560	8822 ± 7054	6648 ± 6200
CD3 + CD44	7057 ± 4663	4628 ± 4418	5890 ± 4105	8837 ± 5898	6092 ± 3913
CD3 + CD45	6438 ± 5190	3758 ± 4618	5010 ± 4657	6589 ± 6025	4313 ± 4250
CD3 + CD45RA	1645 ± 1331	1093 ± 1327	1375 ± 1304	1857 ± 1389	1288 ± 1236
CD3 + CD45RO	3734 ± 3917	2012 ± 3573	2603 ± 3518	4017 ± 4336	2154 ± 3499
CD3 + CD52	4295 ± 4754	3000 ± 5114	3626 ± 4977	4795 ± 5094	3514 ± 4944
CD3 + CD54	5212 ± 5352	3452 ± 4284	3515 ± 4234	5697 ± 5118	4529 ± 3864
CD3 + CD56	218 ± 228	102 ± 82	110 ± 74	236 ± 194	119 ± 76
CD3 + CD58	509 ± 610	431 ± 645	420 ± 652	870 ± 991	457 ± 632
CD3 + CD62E	0 ± 1	0 ± 1	1 ± 3	2 ± 4	0 ± 1
CD3 + CD62P	2 ± 3	4 ± 6	2 ± 3	6 ± 13	2 ± 3
CD3 + CD68	900 ± 1365	658 ± 1356	905 ± 1374	1072 ± 1466	733 ± 1322
CD3 + CD7	4052 ± 3580	2615 ± 3521	3725 ± 3721	4461 ± 3738	3018 ± 3280
CD3 + CD8a	2736 ± 2267	2202 ± 2535	2632 ± 2375	3335 ± 2344	2544 ± 2332
CD3 + CK14	5 ± 7	5 ± 7	5 ± 7	5 ± 7	9 ± 11
CD3 + CLA	1574 ± 878	1108 ± 992	1534 ± 1074	1668 ± 772	1616 ± 833
CD3 + c-myc	85 ± 109	53 ± 109	55 ± 107	95 ± 138	78 ± 103
CD3 + Collagen IV	924 ± 785	622 ± 628	719 ± 604	1139 ± 1024	1042 ± 1064
CD3 + FXIIIA	272 ± 212	212 ± 107	190 ± 119	445 ± 425	300 ± 221
CD3 + HLA-DR	6564 ± 3779	4575 ± 4355	5571 ± 3902	7827 ± 5028	5759 ± 3683
CD3 + IL-22R	3 ± 5	3 ± 5	3 ± 5	13 ± 24	3 ± 5
CD3 + IL-23R	8 ± 11	2 ± 4	2 ± 4	66 ± 169	2 ± 4
CD3 + Ki67	17 ± 30	2 ± 4	2 ± 4	4 ± 4	18 ± 26
CD3 + PI	6897 ± 5660	4940 ± 6088	5657 ± 5762	7141 ± 5822	6098 ± 5537
CD3 + Podoplanin	310 ± 535	105 ± 208	97 ± 212	416 ± 795	134 ± 211
CD3 + SNA1	1764 ± 1936	703 ± 501	836 ± 453	1239 ± 810	929 ± 468
CD3 + STAT3	10 ± 11	5 ± 7	5 ± 6	5 ± 7	5 ± 7
CD3 + TIA1	753 ± 813	592 ± 890	645 ± 854	939 ± 848	693 ± 835
CD3 + Vimentin	2979 ± 2815	1967 ± 2703	2286 ± 2608	3374 ± 3074	2489 ± 2631

Tabelle 523: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	119 ± 218	127 ± 216	117 ± 220	176 ± 263	129 ± 221
CD31 + BCL2	5 ± 8	4 ± 8	4 ± 8	20 ± 42	4 ± 8
CD31 + CCR6	3 ± 4	2 ± 4	2 ± 4	4 ± 5	2 ± 4
CD31 + CD11a	28 ± 51	23 ± 53	23 ± 53	38 ± 52	24 ± 52
CD31 + CD11b	41 ± 50	42 ± 50	38 ± 52	98 ± 121	43 ± 50
CD31 + CD120a	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD31 + CD120b	4 ± 8	3 ± 8	4 ± 8	4 ± 8	5 ± 8
CD31 + CD138	2 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD31 + CD15	1 ± 1	1 ± 1	1 ± 1	19 ± 35	1 ± 1
CD31 + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD2	38 ± 56	36 ± 56	35 ± 57	65 ± 64	50 ± 61
CD31 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD24	2 ± 4	1 ± 4	2 ± 4	4 ± 6	2 ± 4
CD31 + CD28	35 ± 45	30 ± 48	30 ± 48	58 ± 58	33 ± 47
CD31 + CD29	417 ± 334	364 ± 377	389 ± 355	509 ± 425	416 ± 360
CD31 + CD3	47 ± 36	44 ± 38	37 ± 40	125 ± 164	53 ± 46
CD31 + CD4	134 ± 117	120 ± 120	107 ± 128	202 ± 201	134 ± 131
CD31 + CD44	60 ± 46	43 ± 43	48 ± 44	116 ± 169	62 ± 63
CD31 + CD45	18 ± 22	14 ± 24	13 ± 24	23 ± 28	14 ± 23
CD31 + CD45RA	25 ± 33	25 ± 34	24 ± 34	27 ± 32	26 ± 33
CD31 + CD45RO	6 ± 5	3 ± 4	3 ± 4	9 ± 9	3 ± 4
CD31 + CD52	45 ± 87	43 ± 88	43 ± 88	75 ± 91	47 ± 87
CD31 + CD54	378 ± 352	323 ± 392	339 ± 379	460 ± 341	355 ± 374
CD31 + CD56	3 ± 4	3 ± 4	3 ± 5	4 ± 5	3 ± 5
CD31 + CD58	106 ± 148	89 ± 154	90 ± 153	111 ± 148	89 ± 154
CD31 + CD62E	12 ± 22	8 ± 21	8 ± 21	8 ± 21	8 ± 21
CD31 + CD62P	35 ± 55	37 ± 53	36 ± 54	41 ± 51	35 ± 55
CD31 + CD68	150 ± 183	148 ± 184	159 ± 178	225 ± 210	172 ± 176
CD31 + CD7	23 ± 19	23 ± 20	20 ± 22	33 ± 20	21 ± 20
CD31 + CD8a	6 ± 11	5 ± 12	5 ± 12	9 ± 13	6 ± 11
CD31 + CK14	2 ± 3	2 ± 3	2 ± 3	2 ± 3	3 ± 4
CD31 + CLA	5 ± 6	4 ± 6	4 ± 6	10 ± 11	5 ± 6
CD31 + c-myc	130 ± 284	120 ± 289	124 ± 287	120 ± 289	121 ± 288
CD31 + Collagen IV	383 ± 370	334 ± 403	357 ± 386	531 ± 485	395 ± 396
CD31 + FXIIIA	14 ± 14	17 ± 13	13 ± 14	37 ± 53	14 ± 13
CD31 + HLA-DR	224 ± 147	189 ± 171	206 ± 158	333 ± 341	222 ± 175
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	6 ± 8	6 ± 8	6 ± 8	6 ± 8	6 ± 8
CD31 + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + PI	246 ± 201	214 ± 225	228 ± 213	337 ± 340	242 ± 217
CD31 + Podoplanin	10 ± 13	5 ± 5	6 ± 5	24 ± 46	6 ± 5
CD31 + SNA1	342 ± 214	291 ± 256	316 ± 233	487 ± 422	340 ± 252
CD31 + STAT3	11 ± 15	10 ± 15	11 ± 15	10 ± 15	10 ± 15
CD31 + TIA1	13 ± 25	12 ± 26	12 ± 26	22 ± 30	13 ± 25
CD31 + Vimentin	255 ± 228	217 ± 254	234 ± 241	322 ± 258	236 ± 244

Tabelle 524: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	116 ± 177	100 ± 149	75 ± 148	138 ± 214	127 ± 195
CD4 + BCL2	678 ± 545	363 ± 429	423 ± 407	528 ± 499	482 ± 374
CD4 + CCR6	533 ± 581	354 ± 527	401 ± 501	733 ± 793	517 ± 573
CD4 + CD11a	7520 ± 6691	4592 ± 6122	5710 ± 5967	7431 ± 6862	5256 ± 5680
CD4 + CD11b	4013 ± 2880	3279 ± 2995	3088 ± 3171	3882 ± 2809	4306 ± 2527
CD4 + CD120a	20 ± 24	10 ± 14	12 ± 13	122 ± 290	10 ± 14
CD4 + CD120b	448 ± 559	262 ± 501	330 ± 497	459 ± 590	356 ± 490
CD4 + CD138	24 ± 58	2 ± 4	3 ± 3	8 ± 15	5 ± 7
CD4 + CD15	233 ± 491	58 ± 67	42 ± 61	149 ± 217	49 ± 59
CD4 + CD1a	38 ± 48	38 ± 50	32 ± 49	31 ± 49	30 ± 50
CD4 + CD2	6935 ± 6136	4878 ± 6304	5774 ± 6020	6928 ± 6038	5709 ± 5900
CD4 + CD207	248 ± 406	232 ± 415	248 ± 408	249 ± 407	283 ± 410
CD4 + CD24	198 ± 272	82 ± 91	105 ± 87	186 ± 180	147 ± 123
CD4 + CD28	4656 ± 4549	3213 ± 4853	3631 ± 4665	5041 ± 4691	3614 ± 4610
CD4 + CD29	1222 ± 1056	742 ± 619	783 ± 576	915 ± 588	1119 ± 833
CD4 + CD3	7852 ± 6753	5478 ± 6837	6502 ± 6560	8822 ± 7054	6648 ± 6200
CD4 + CD31	134 ± 117	120 ± 120	107 ± 128	202 ± 201	134 ± 131
CD4 + CD44	8258 ± 6212	5186 ± 4223	6217 ± 4013	8172 ± 4401	6555 ± 3523
CD4 + CD45	6534 ± 6108	3524 ± 4381	4635 ± 4420	5988 ± 5669	4007 ± 4071
CD4 + CD45RA	1562 ± 1446	953 ± 1158	1240 ± 1199	1581 ± 1462	1085 ± 1085
CD4 + CD45RO	4059 ± 4577	2112 ± 3827	2655 ± 3750	3849 ± 4291	2230 ± 3766
CD4 + CD52	4133 ± 4649	2928 ± 4965	3461 ± 4829	4270 ± 4811	3349 ± 4809
CD4 + CD54	7190 ± 7611	4366 ± 5019	4425 ± 4968	6635 ± 5757	5665 ± 4427
CD4 + CD56	497 ± 614	275 ± 225	233 ± 216	410 ± 276	258 ± 210
CD4 + CD58	562 ± 671	473 ± 712	462 ± 719	852 ± 887	504 ± 697
CD4 + CD62E	5 ± 8	3 ± 7	3 ± 7	4 ± 7	3 ± 7
CD4 + CD62P	16 ± 33	18 ± 32	16 ± 33	20 ± 32	16 ± 33
CD4 + CD68	1554 ± 1843	1017 ± 1628	1344 ± 1617	1498 ± 1625	1137 ± 1559
CD4 + CD7	3594 ± 3416	2202 ± 3052	3090 ± 3204	3639 ± 3309	2519 ± 2864
CD4 + CD8a	1854 ± 1800	1488 ± 1899	1687 ± 1874	1972 ± 1742	1578 ± 1843
CD4 + CK14	14 ± 26	13 ± 26	13 ± 26	13 ± 26	15 ± 25
CD4 + CLA	1455 ± 1036	958 ± 958	1350 ± 1122	1363 ± 787	1304 ± 776
CD4 + c-myc	226 ± 340	146 ± 335	149 ± 333	183 ± 333	169 ± 328
CD4 + Collagen IV	1651 ± 1640	1066 ± 1090	1105 ± 1065	1451 ± 1093	1449 ± 1260
CD4 + FXIIIA	834 ± 869	700 ± 732	614 ± 766	928 ± 777	835 ± 749
CD4 + HLA-DR	8219 ± 4689	5793 ± 4751	6669 ± 4312	8099 ± 3803	7115 ± 3789
CD4 + IL-22R	3 ± 6	3 ± 6	3 ± 6	11 ± 19	4 ± 6
CD4 + IL-23R	24 ± 14	14 ± 12	20 ± 14	99 ± 208	21 ± 15
CD4 + Ki67	24 ± 34	3 ± 8	3 ± 8	6 ± 8	28 ± 41
CD4 + PI	7468 ± 6229	5222 ± 6158	5755 ± 5902	6758 ± 5430	6240 ± 5575
CD4 + Podoplanin	367 ± 647	135 ± 218	112 ± 222	407 ± 735	144 ± 216
CD4 + SNA1	2762 ± 3259	1176 ± 835	1283 ± 757	1582 ± 786	1404 ± 718
CD4 + STAT3	20 ± 33	6 ± 9	7 ± 8	6 ± 9	6 ± 9
CD4 + TIA1	512 ± 606	384 ± 644	411 ± 629	519 ± 599	427 ± 621
CD4 + Vimentin	3977 ± 3620	2563 ± 2905	2815 ± 2833	3964 ± 3256	3078 ± 2750

Tabelle 525: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	298 ± 655	73 ± 62	63 ± 55	116 ± 178	106 ± 153
CD44 + BCL2	729 ± 620	395 ± 478	450 ± 455	511 ± 484	527 ± 430
CD44 + CCR6	727 ± 715	465 ± 590	538 ± 540	846 ± 627	720 ± 721
CD44 + CD11a	7463 ± 5284	4015 ± 4078	5237 ± 3983	7224 ± 5048	4701 ± 3497
CD44 + CD11b	5990 ± 2365	5052 ± 3338	4944 ± 3470	7329 ± 3920	7247 ± 2790
CD44 + CD120a	51 ± 43	35 ± 41	43 ± 38	196 ± 401	36 ± 40
CD44 + CD120b	1796 ± 1073	1170 ± 957	1447 ± 789	2163 ± 1670	1603 ± 787
CD44 + CD138	82 ± 111	40 ± 63	54 ± 62	55 ± 65	49 ± 61
CD44 + CD15	349 ± 259	250 ± 205	244 ± 203	740 ± 871	323 ± 279
CD44 + CD1a	44 ± 48	33 ± 42	27 ± 40	28 ± 39	26 ± 40
CD44 + CD2	5475 ± 4008	3620 ± 3851	4453 ± 3665	5359 ± 3483	4822 ± 3822
CD44 + CD207	174 ± 201	145 ± 214	173 ± 210	162 ± 207	203 ± 236
CD44 + CD24	1848 ± 947	1368 ± 1092	2028 ± 1050	2653 ± 2081	1917 ± 882
CD44 + CD28	3729 ± 2870	2316 ± 2923	2713 ± 2761	4248 ± 3141	2717 ± 2677
CD44 + CD29	3038 ± 1587	2072 ± 1637	2729 ± 1206	2784 ± 1718	3216 ± 2091
CD44 + CD3	7057 ± 4663	4628 ± 4418	5890 ± 4105	8837 ± 5898	6092 ± 3913
CD44 + CD31	60 ± 46	43 ± 43	48 ± 44	116 ± 169	62 ± 63
CD44 + CD4	8258 ± 6212	5186 ± 4223	6217 ± 4013	8172 ± 4401	6555 ± 3523
CD44 + CD45	6524 ± 5712	3163 ± 3309	4354 ± 3510	5812 ± 5094	3712 ± 2937
CD44 + CD45RA	3374 ± 2208	1995 ± 1593	2302 ± 1452	2956 ± 1359	2566 ± 1258
CD44 + CD45RO	2998 ± 2969	1374 ± 2054	1829 ± 2061	3035 ± 3022	1507 ± 1985
CD44 + CD52	3879 ± 3509	2481 ± 3749	3105 ± 3669	4127 ± 3781	3094 ± 3639
CD44 + CD54	9172 ± 9230	5635 ± 6009	6143 ± 5627	8167 ± 6080	7687 ± 5296
CD44 + CD56	999 ± 908	740 ± 381	694 ± 388	882 ± 687	699 ± 388
CD44 + CD58	639 ± 607	531 ± 643	496 ± 663	1091 ± 1195	535 ± 641
CD44 + CD62E	2 ± 2	1 ± 2	6 ± 12	3 ± 4	1 ± 2
CD44 + CD62P	36 ± 56	37 ± 56	37 ± 55	38 ± 55	35 ± 57
CD44 + CD68	2413 ± 1973	1819 ± 1685	2462 ± 1811	2450 ± 1541	2172 ± 1534
CD44 + CD7	3650 ± 2997	2169 ± 2548	3319 ± 3017	3719 ± 2575	2567 ± 2305
CD44 + CD8a	2601 ± 1361	1934 ± 1605	2351 ± 1479	2897 ± 1492	2281 ± 1396
CD44 + CK14	71 ± 119	76 ± 116	72 ± 118	73 ± 118	78 ± 115
CD44 + CLA	1938 ± 638	1344 ± 905	1884 ± 1091	2055 ± 576	2045 ± 931
CD44 + c-myc	636 ± 529	343 ± 417	394 ± 410	464 ± 430	483 ± 388
CD44 + Collagen IV	3519 ± 2255	2606 ± 1096	3270 ± 1355	3676 ± 2857	3909 ± 3675
CD44 + FXIIIA	2498 ± 1753	1932 ± 1135	2340 ± 1332	2281 ± 1648	2756 ± 1795
CD44 + HLA-DR	20483 ± 4281	15272 ± 6141	18953 ± 6093	22515 ± 13010	19197 ± 4398
CD44 + IL-22R	6 ± 10	6 ± 10	6 ± 10	18 ± 29	6 ± 10
CD44 + IL-23R	67 ± 72	32 ± 30	35 ± 28	141 ± 214	77 ± 72
CD44 + Ki67	48 ± 68	8 ± 6	7 ± 7	8 ± 6	64 ± 110
CD44 + PI	10405 ± 4998	7224 ± 4108	8522 ± 3355	10186 ± 5318	9431 ± 3883
CD44 + Podoplanin	1024 ± 1156	1080 ± 1016	516 ± 252	766 ± 508	949 ± 995
CD44 + SNA1	6322 ± 4939	3912 ± 1678	4310 ± 1506	3928 ± 1415	4139 ± 1380
CD44 + STAT3	60 ± 78	33 ± 54	34 ± 54	30 ± 55	33 ± 54
CD44 + TIA1	756 ± 558	527 ± 647	586 ± 599	948 ± 738	636 ± 584
CD44 + Vimentin	10852 ± 3702	8925 ± 2415	10477 ± 4084	10562 ± 4695	11621 ± 5678

Tabelle 526: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	36 ± 74	10 ± 14	8 ± 14	12 ± 15	15 ± 22
CD45 + BCL2	620 ± 532	302 ± 409	380 ± 399	460 ± 491	361 ± 373
CD45 + CCR6	512 ± 553	333 ± 490	383 ± 462	646 ± 705	460 ± 504
CD45 + CD11a	7034 ± 6004	3592 ± 4503	4889 ± 4657	6312 ± 6093	3996 ± 4205
CD45 + CD11b	2730 ± 2259	1651 ± 1941	1622 ± 1966	2225 ± 1734	1959 ± 1759
CD45 + CD120a	15 ± 27	4 ± 6	8 ± 9	173 ± 444	4 ± 6
CD45 + CD120b	482 ± 586	233 ± 432	316 ± 442	573 ± 870	281 ± 418
CD45 + CD138	25 ± 50	5 ± 11	6 ± 11	7 ± 11	5 ± 11
CD45 + CD15	208 ± 485	25 ± 25	20 ± 22	301 ± 730	21 ± 22
CD45 + CD1a	44 ± 51	35 ± 46	29 ± 45	29 ± 44	27 ± 46
CD45 + CD2	5591 ± 4678	3388 ± 4364	4388 ± 4297	5165 ± 4632	3845 ± 4094
CD45 + CD207	173 ± 234	147 ± 245	169 ± 240	157 ± 240	191 ± 251
CD45 + CD24	258 ± 390	81 ± 99	133 ± 140	371 ± 682	101 ± 93
CD45 + CD28	3905 ± 3380	2426 ± 3444	2866 ± 3289	4154 ± 3971	2700 ± 3267
CD45 + CD29	741 ± 881	287 ± 214	354 ± 203	370 ± 161	427 ± 280
CD45 + CD3	6438 ± 5190	3758 ± 4618	5010 ± 4657	6589 ± 6025	4313 ± 4250
CD45 + CD31	18 ± 22	14 ± 24	13 ± 24	23 ± 28	14 ± 23
CD45 + CD4	6534 ± 6108	3524 ± 4381	4635 ± 4420	5988 ± 5669	4007 ± 4071
CD45 + CD44	6524 ± 5712	3163 ± 3309	4354 ± 3510	5812 ± 5094	3712 ± 2937
CD45 + CD45RA	1618 ± 1473	824 ± 940	1170 ± 1061	1543 ± 1500	912 ± 882
CD45 + CD45RO	3820 ± 4008	1679 ± 2833	2308 ± 2875	3379 ± 3945	1789 ± 2771
CD45 + CD52	3650 ± 3488	2271 ± 3667	2904 ± 3621	3764 ± 4109	2568 ± 3541
CD45 + CD54	4953 ± 6136	2455 ± 3225	2580 ± 3144	4516 ± 5068	2813 ± 3007
CD45 + CD56	201 ± 315	43 ± 34	49 ± 30	97 ± 109	46 ± 32
CD45 + CD58	446 ± 484	351 ± 514	341 ± 521	864 ± 1273	361 ± 509
CD45 + CD62E	0 ± 1	0 ± 1	2 ± 5	1 ± 1	0 ± 1
CD45 + CD62P	1 ± 2	2 ± 2	2 ± 2	1 ± 2	1 ± 2
CD45 + CD68	919 ± 1268	499 ± 988	779 ± 1095	985 ± 1431	531 ± 972
CD45 + CD7	3559 ± 3298	2025 ± 2755	3080 ± 3206	3427 ± 3243	2271 ± 2593
CD45 + CD8a	2310 ± 1750	1567 ± 1905	2010 ± 1869	2313 ± 1767	1715 ± 1795
CD45 + CK14	4 ± 5	4 ± 5	3 ± 5	3 ± 5	5 ± 5
CD45 + CLA	1303 ± 897	726 ± 652	1172 ± 1061	1116 ± 673	952 ± 515
CD45 + c-myc	97 ± 138	29 ± 60	30 ± 59	76 ± 125	32 ± 58
CD45 + Collagen IV	703 ± 950	242 ± 285	339 ± 331	385 ± 347	365 ± 364
CD45 + FXIIIA	292 ± 350	144 ± 105	135 ± 111	301 ± 396	164 ± 103
CD45 + HLA-DR	5845 ± 4265	2942 ± 2969	3934 ± 3024	4792 ± 3355	3423 ± 2617
CD45 + IL-22R	2 ± 3	2 ± 3	2 ± 3	14 ± 30	3 ± 3
CD45 + IL-23R	13 ± 15	4 ± 4	4 ± 4	101 ± 255	5 ± 3
CD45 + Ki67	27 ± 46	1 ± 1	1 ± 1	2 ± 2	15 ± 28
CD45 + PI	5441 ± 4527	2979 ± 3707	3698 ± 3576	4033 ± 3271	3378 ± 3453
CD45 + Podoplanin	300 ± 595	64 ± 111	58 ± 113	277 ± 558	83 ± 116
CD45 + SNA1	2118 ± 3027	492 ± 443	648 ± 458	779 ± 677	540 ± 405
CD45 + STAT3	16 ± 28	4 ± 4	4 ± 4	4 ± 4	4 ± 4
CD45 + TIA1	639 ± 566	445 ± 628	498 ± 594	751 ± 692	505 ± 590
CD45 + Vimentin	2774 ± 2775	1317 ± 1806	1624 ± 1777	2291 ± 2471	1512 ± 1725

Tabelle 527: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	132 ± 169	84 ± 120	79 ± 123	79 ± 123	82 ± 122
CD45RA + BCL2	173 ± 112	121 ± 129	142 ± 119	171 ± 150	137 ± 116
CD45RA + CCR6	309 ± 268	193 ± 186	238 ± 150	298 ± 142	252 ± 157
CD45RA + CD11a	1944 ± 1603	1118 ± 1419	1509 ± 1434	2006 ± 1716	1225 ± 1342
CD45RA + CD11b	1134 ± 945	1008 ± 1043	968 ± 1080	1217 ± 951	1186 ± 930
CD45RA + CD120a	9 ± 13	5 ± 9	5 ± 9	11 ± 18	5 ± 9
CD45RA + CD120b	660 ± 708	289 ± 335	288 ± 339	384 ± 323	454 ± 350
CD45RA + CD138	86 ± 136	51 ± 119	61 ± 117	55 ± 118	56 ± 117
CD45RA + CD15	58 ± 48	40 ± 38	38 ± 39	70 ± 58	52 ± 46
CD45RA + CD1a	16 ± 38	6 ± 12	1 ± 3	2 ± 3	1 ± 3
CD45RA + CD2	1294 ± 1056	934 ± 1141	1219 ± 1127	1441 ± 1125	1088 ± 1061
CD45RA + CD207	25 ± 42	14 ± 23	17 ± 28	11 ± 23	29 ± 52
CD45RA + CD24	605 ± 507	308 ± 245	331 ± 242	400 ± 238	502 ± 279
CD45RA + CD28	829 ± 767	491 ± 728	601 ± 705	810 ± 729	560 ± 697
CD45RA + CD29	787 ± 625	383 ± 286	422 ± 250	430 ± 235	603 ± 303
CD45RA + CD3	1645 ± 1331	1093 ± 1327	1375 ± 1304	1857 ± 1389	1288 ± 1236
CD45RA + CD31	25 ± 33	25 ± 34	24 ± 34	27 ± 32	26 ± 33
CD45RA + CD4	1562 ± 1446	953 ± 1158	1240 ± 1199	1581 ± 1462	1085 ± 1085
CD45RA + CD44	3374 ± 2208	1995 ± 1593	2302 ± 1452	2956 ± 1359	2566 ± 1258
CD45RA + CD45	1618 ± 1473	824 ± 940	1170 ± 1061	1543 ± 1500	912 ± 882
CD45RA + CD45RO	482 ± 468	263 ± 404	387 ± 436	491 ± 527	278 ± 394
CD45RA + CD52	1019 ± 1140	726 ± 1228	907 ± 1204	1077 ± 1199	836 ± 1193
CD45RA + CD54	1698 ± 2077	848 ± 966	844 ± 971	1409 ± 1358	1041 ± 887
CD45RA + CD56	299 ± 263	185 ± 181	210 ± 168	254 ± 172	222 ± 182
CD45RA + CD58	195 ± 186	154 ± 205	149 ± 208	237 ± 250	152 ± 206
CD45RA + CD62E	1 ± 3	1 ± 3	2 ± 3	1 ± 3	1 ± 3
CD45RA + CD62P	15 ± 24	16 ± 24	14 ± 25	14 ± 25	17 ± 24
CD45RA + CD68	513 ± 545	355 ± 510	506 ± 522	604 ± 610	398 ± 483
CD45RA + CD7	1202 ± 1066	766 ± 934	1071 ± 962	1209 ± 891	848 ± 879
CD45RA + CD8a	832 ± 644	598 ± 737	726 ± 687	949 ± 667	685 ± 675
CD45RA + CK14	15 ± 31	15 ± 31	15 ± 31	15 ± 31	16 ± 30
CD45RA + CLA	641 ± 354	419 ± 360	651 ± 517	707 ± 419	580 ± 283
CD45RA + c-myc	155 ± 181	78 ± 113	103 ± 112	102 ± 106	87 ± 108
CD45RA + Collagen IV	533 ± 562	309 ± 432	341 ± 431	365 ± 412	430 ± 476
CD45RA + FXIIIA	318 ± 211	221 ± 139	239 ± 139	309 ± 115	268 ± 117
CD45RA + HLA-DR	3120 ± 1702	1953 ± 1580	2219 ± 1403	2694 ± 1186	2403 ± 1247
CD45RA + IL-22R	2 ± 4	2 ± 4	2 ± 4	5 ± 7	2 ± 4
CD45RA + IL-23R	8 ± 9	8 ± 9	9 ± 8	18 ± 22	15 ± 17
CD45RA + Ki67	8 ± 13	7 ± 13	7 ± 13	7 ± 13	12 ± 16
CD45RA + PI	2332 ± 1773	1524 ± 1628	1671 ± 1567	2064 ± 1398	1806 ± 1493
CD45RA + Podoplanin	277 ± 367	127 ± 151	147 ± 158	196 ± 202	159 ± 164
CD45RA + SNA1	1105 ± 1124	440 ± 253	472 ± 218	511 ± 185	571 ± 197
CD45RA + STAT3	105 ± 158	78 ± 156	95 ± 156	77 ± 156	87 ± 154
CD45RA + TIA1	457 ± 394	345 ± 444	382 ± 414	428 ± 388	392 ± 411
CD45RA + Vimentin	978 ± 848	652 ± 771	711 ± 744	924 ± 770	741 ± 724

Tabelle 528: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	74 ± 128	49 ± 120	52 ± 119	53 ± 118	50 ± 119
CD45RO + BCL2	416 ± 395	165 ± 249	219 ± 251	298 ± 362	186 ± 238
CD45RO + CCR6	348 ± 407	223 ± 362	253 ± 344	497 ± 599	270 ± 344
CD45RO + CD11a	3969 ± 4127	1922 ± 3430	2530 ± 3408	3617 ± 4161	2014 ± 3377
CD45RO + CD11b	1687 ± 2032	901 ± 1640	903 ± 1638	1567 ± 1679	958 ± 1613
CD45RO + CD120a	8 ± 14	2 ± 3	2 ± 3	84 ± 217	2 ± 3
CD45RO + CD120b	228 ± 362	147 ± 367	191 ± 365	313 ± 498	153 ± 365
CD45RO + CD138	64 ± 122	49 ± 123	59 ± 120	53 ± 122	52 ± 122
CD45RO + CD15	208 ± 516	12 ± 16	14 ± 16	304 ± 750	11 ± 16
CD45RO + CD1a	25 ± 32	17 ± 33	19 ± 32	17 ± 33	17 ± 33
CD45RO + CD2	3949 ± 4166	2193 ± 3829	2748 ± 3744	3748 ± 4124	2341 ± 3752
CD45RO + CD207	124 ± 221	104 ± 229	120 ± 224	113 ± 225	110 ± 226
CD45RO + CD24	56 ± 108	12 ± 15	21 ± 26	289 ± 690	14 ± 14
CD45RO + CD28	2541 ± 2767	1514 ± 2765	1796 ± 2685	2635 ± 2889	1585 ± 2725
CD45RO + CD29	335 ± 467	112 ± 89	126 ± 78	162 ± 84	140 ± 91
CD45RO + CD3	3734 ± 3917	2012 ± 3573	2603 ± 3518	4017 ± 4336	2154 ± 3499
CD45RO + CD31	6 ± 5	3 ± 4	3 ± 4	9 ± 9	3 ± 4
CD45RO + CD4	4059 ± 4577	2112 ± 3827	2655 ± 3750	3849 ± 4291	2230 ± 3766
CD45RO + CD44	2998 ± 2969	1374 ± 2054	1829 ± 2061	3035 ± 3022	1507 ± 1985
CD45RO + CD45	3820 ± 4008	1679 ± 2833	2308 ± 2875	3379 ± 3945	1789 ± 2771
CD45RO + CD45RA	482 ± 468	263 ± 404	387 ± 436	491 ± 527	278 ± 394
CD45RO + CD52	2226 ± 2438	1271 ± 2457	1578 ± 2410	2227 ± 2672	1357 ± 2417
CD45RO + CD54	2543 ± 3457	1193 ± 2046	1235 ± 2020	2291 ± 2796	1256 ± 2011
CD45RO + CD56	175 ± 195	94 ± 141	91 ± 140	109 ± 139	91 ± 142
CD45RO + CD58	267 ± 340	201 ± 361	204 ± 359	438 ± 601	203 ± 360
CD45RO + CD62E	3 ± 6	3 ± 6	10 ± 20	7 ± 10	3 ± 6
CD45RO + CD62P	10 ± 21	11 ± 21	15 ± 22	12 ± 21	14 ± 21
CD45RO + CD68	647 ± 905	395 ± 802	506 ± 793	724 ± 1033	407 ± 796
CD45RO + CD7	1999 ± 2185	1030 ± 1847	1519 ± 1959	1965 ± 2216	1097 ± 1810
CD45RO + CD8a	1046 ± 1109	658 ± 1162	806 ± 1128	1120 ± 1144	694 ± 1141
CD45RO + CK14	12 ± 28	11 ± 29	11 ± 29	11 ± 29	11 ± 29
CD45RO + CLA	714 ± 763	325 ± 535	523 ± 648	614 ± 608	361 ± 518
CD45RO + c-myc	91 ± 106	45 ± 79	53 ± 76	63 ± 80	49 ± 76
CD45RO + Collagen IV	337 ± 439	112 ± 190	136 ± 187	209 ± 210	141 ± 191
CD45RO + FXIIIA	209 ± 211	126 ± 107	116 ± 105	262 ± 282	133 ± 96
CD45RO + HLA-DR	2908 ± 2537	1383 ± 2023	1750 ± 1971	2598 ± 2228	1485 ± 1965
CD45RO + IL-22R	1 ± 3	1 ± 3	1 ± 3	7 ± 14	1 ± 3
CD45RO + IL-23R	17 ± 13	9 ± 8	10 ± 7	98 ± 228	30 ± 50
CD45RO + Ki67	18 ± 30	1 ± 2	1 ± 2	5 ± 7	4 ± 7
CD45RO + PI	3210 ± 3235	1693 ± 2924	2010 ± 2834	2472 ± 2728	1809 ± 2864
CD45RO + Podoplanin	193 ± 281	89 ± 125	85 ± 127	170 ± 232	90 ± 125
CD45RO + SNA1	1132 ± 1556	278 ± 314	347 ± 311	570 ± 653	285 ± 306
CD45RO + STAT3	79 ± 152	61 ± 152	68 ± 151	62 ± 152	67 ± 151
CD45RO + TIA1	360 ± 349	261 ± 384	289 ± 365	557 ± 637	283 ± 368
CD45RO + Vimentin	1720 ± 1833	860 ± 1548	984 ± 1510	1660 ± 1952	942 ± 1515

Tabelle 529: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	46 ± 83	35 ± 82	33 ± 82	42 ± 82	46 ± 84
CD52 + BCL2	437 ± 393	237 ± 366	292 ± 356	342 ± 394	269 ± 352
CD52 + CCR6	429 ± 510	320 ± 516	351 ± 499	568 ± 600	455 ± 540
CD52 + CD11a	4082 ± 4203	2684 ± 4511	3315 ± 4408	4049 ± 4491	2940 ± 4382
CD52 + CD11b	1507 ± 2137	1242 ± 2249	1223 ± 2260	1661 ± 2115	1474 ± 2195
CD52 + CD120a	6 ± 10	6 ± 10	6 ± 10	55 ± 128	5 ± 10
CD52 + CD120b	340 ± 504	266 ± 532	322 ± 521	489 ± 638	339 ± 525
CD52 + CD138	19 ± 32	7 ± 15	12 ± 18	8 ± 14	7 ± 15
CD52 + CD15	59 ± 94	23 ± 26	21 ± 25	195 ± 428	29 ± 34
CD52 + CD1a	27 ± 45	30 ± 44	27 ± 45	27 ± 45	26 ± 46
CD52 + CD2	3887 ± 4242	2737 ± 4569	3270 ± 4433	3795 ± 4341	3195 ± 4414
CD52 + CD207	145 ± 281	142 ± 282	152 ± 278	151 ± 278	182 ± 281
CD52 + CD24	172 ± 174	126 ± 193	173 ± 197	323 ± 392	181 ± 206
CD52 + CD28	2875 ± 3309	2036 ± 3574	2311 ± 3466	3081 ± 3464	2241 ± 3476
CD52 + CD29	359 ± 255	213 ± 234	259 ± 232	311 ± 207	388 ± 446
CD52 + CD3	4295 ± 4754	3000 ± 5114	3626 ± 4977	4795 ± 5094	3514 ± 4944
CD52 + CD31	45 ± 87	43 ± 88	43 ± 88	75 ± 91	47 ± 87
CD52 + CD4	4133 ± 4649	2928 ± 4965	3461 ± 4829	4270 ± 4811	3349 ± 4809
CD52 + CD44	3879 ± 3509	2481 ± 3749	3105 ± 3669	4127 ± 3781	3094 ± 3639
CD52 + CD45	3650 ± 3488	2271 ± 3667	2904 ± 3621	3764 ± 4109	2568 ± 3541
CD52 + CD45RA	1019 ± 1140	726 ± 1228	907 ± 1204	1077 ± 1199	836 ± 1193
CD52 + CD45RO	2226 ± 2438	1271 ± 2457	1578 ± 2410	2227 ± 2672	1357 ± 2417
CD52 + CD54	2818 ± 3267	2078 ± 3305	2136 ± 3271	3033 ± 3358	2419 ± 3189
CD52 + CD56	115 ± 124	46 ± 66	52 ± 64	80 ± 72	48 ± 65
CD52 + CD58	389 ± 557	334 ± 579	331 ± 581	721 ± 1011	338 ± 577
CD52 + CD62E	4 ± 11	4 ± 11	8 ± 13	5 ± 11	4 ± 11
CD52 + CD62P	12 ± 29	12 ± 29	14 ± 28	13 ± 28	12 ± 29
CD52 + CD68	649 ± 1124	549 ± 1155	695 ± 1142	753 ± 1159	554 ± 1152
CD52 + CD7	2275 ± 2534	1563 ± 2677	2116 ± 2705	2428 ± 2648	1737 ± 2595
CD52 + CD8a	1618 ± 1882	1198 ± 2027	1495 ± 1991	1710 ± 1885	1333 ± 1969
CD52 + CK14	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD52 + CLA	836 ± 733	571 ± 804	839 ± 903	841 ± 737	769 ± 790
CD52 + c-myc	60 ± 117	48 ± 121	48 ± 120	101 ± 168	48 ± 120
CD52 + Collagen IV	477 ± 563	310 ± 579	353 ± 566	457 ± 552	504 ± 690
CD52 + FXIIIA	187 ± 176	131 ± 182	124 ± 186	236 ± 247	158 ± 183
CD52 + HLA-DR	3596 ± 3407	2352 ± 3644	2812 ± 3535	3590 ± 3407	2874 ± 3525
CD52 + IL-22R	3 ± 5	3 ± 5	3 ± 5	12 ± 24	3 ± 4
CD52 + IL-23R	5 ± 7	3 ± 6	3 ± 6	39 ± 94	3 ± 6
CD52 + Ki67	11 ± 18	1 ± 2	1 ± 2	3 ± 4	5 ± 12
CD52 + PI	3689 ± 4110	2644 ± 4449	2959 ± 4322	3181 ± 4199	3075 ± 4302
CD52 + Podoplanin	170 ± 268	74 ± 176	73 ± 176	186 ± 310	77 ± 175
CD52 + SNA1	969 ± 897	403 ± 551	478 ± 540	571 ± 525	449 ± 533
CD52 + STAT3	10 ± 13	5 ± 9	5 ± 8	5 ± 9	5 ± 9
CD52 + TIA1	457 ± 628	353 ± 666	377 ± 654	576 ± 672	395 ± 649
CD52 + Vimentin	1603 ± 1933	1025 ± 1996	1177 ± 1960	1558 ± 2011	1230 ± 1966

Tabelle 530: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	331 ± 485	237 ± 451	238 ± 450	296 ± 464	282 ± 456
CD54 + BCL2	470 ± 560	268 ± 405	274 ± 401	409 ± 483	375 ± 386
CD54 + CCR6	455 ± 531	276 ± 424	291 ± 413	512 ± 588	402 ± 458
CD54 + CD11a	5247 ± 6028	2882 ± 3919	3000 ± 3843	5105 ± 5288	3484 ± 3604
CD54 + CD11b	3540 ± 3060	2722 ± 2848	2581 ± 2964	3209 ± 2548	3926 ± 2579
CD54 + CD120a	29 ± 42	14 ± 24	16 ± 23	182 ± 438	14 ± 24
CD54 + CD120b	692 ± 878	363 ± 428	367 ± 425	576 ± 528	516 ± 415
CD54 + CD138	46 ± 77	19 ± 46	34 ± 53	26 ± 45	30 ± 48
CD54 + CD15	321 ± 629	87 ± 87	73 ± 90	256 ± 415	105 ± 100
CD54 + CD1a	43 ± 55	37 ± 49	29 ± 48	30 ± 47	29 ± 48
CD54 + CD2	4481 ± 4660	3005 ± 4058	3052 ± 4024	4301 ± 4193	3728 ± 3822
CD54 + CD207	204 ± 330	186 ± 336	188 ± 334	197 ± 331	232 ± 335
CD54 + CD24	512 ± 711	254 ± 290	267 ± 283	475 ± 454	425 ± 337
CD54 + CD28	3181 ± 3381	2132 ± 3187	2187 ± 3149	3444 ± 3337	2418 ± 3008
CD54 + CD29	2252 ± 1645	1446 ± 1187	1558 ± 1068	1686 ± 967	2116 ± 1269
CD54 + CD3	5212 ± 5352	3452 ± 4284	3515 ± 4234	5697 ± 5118	4529 ± 3864
CD54 + CD31	378 ± 352	323 ± 392	339 ± 379	460 ± 341	355 ± 374
CD54 + CD4	7190 ± 7611	4366 ± 5019	4425 ± 4968	6635 ± 5757	5665 ± 4427
CD54 + CD44	9172 ± 9230	5635 ± 6009	6143 ± 5627	8167 ± 6080	7687 ± 5296
CD54 + CD45	4953 ± 6136	2455 ± 3225	2580 ± 3144	4516 ± 5068	2813 ± 3007
CD54 + CD45RA	1698 ± 2077	848 ± 966	844 ± 971	1409 ± 1358	1041 ± 887
CD54 + CD45RO	2543 ± 3457	1193 ± 2046	1235 ± 2020	2291 ± 2796	1256 ± 2011
CD54 + CD52	2818 ± 3267	2078 ± 3305	2136 ± 3271	3033 ± 3358	2419 ± 3189
CD54 + CD56	452 ± 596	203 ± 222	206 ± 219	302 ± 219	234 ± 209
CD54 + CD58	621 ± 722	525 ± 768	508 ± 779	1025 ± 1207	549 ± 757
CD54 + CD62E	15 ± 25	8 ± 21	8 ± 21	10 ± 20	8 ± 21
CD54 + CD62P	49 ± 90	50 ± 89	50 ± 89	54 ± 87	48 ± 90
CD54 + CD68	1557 ± 1883	981 ± 1601	1097 ± 1534	1471 ± 1665	1095 ± 1534
CD54 + CD7	2867 ± 3305	1638 ± 2348	1773 ± 2264	2612 ± 2589	1877 ± 2208
CD54 + CD8a	1561 ± 1463	1186 ± 1403	1162 ± 1421	1571 ± 1286	1378 ± 1306
CD54 + CK14	3 ± 5	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD54 + CLA	983 ± 957	602 ± 600	658 ± 566	845 ± 550	977 ± 601
CD54 + c-myc	524 ± 903	381 ± 903	390 ± 899	436 ± 888	395 ± 897
CD54 + Collagen IV	2958 ± 2859	1857 ± 2057	1952 ± 1998	2305 ± 1830	2511 ± 2084
CD54 + FXIIIA	817 ± 875	559 ± 615	568 ± 615	782 ± 707	755 ± 597
CD54 + HLA-DR	8546 ± 7549	5797 ± 6206	6185 ± 5896	7770 ± 5538	7662 ± 5342
CD54 + IL-22R	4 ± 9	4 ± 9	4 ± 9	14 ± 25	5 ± 9
CD54 + IL-23R	22 ± 14	16 ± 17	16 ± 16	114 ± 248	21 ± 15
CD54 + Ki67	22 ± 27	10 ± 22	10 ± 22	11 ± 21	49 ± 65
CD54 + PI	6106 ± 6011	3909 ± 4472	3962 ± 4429	4849 ± 3973	5184 ± 3967
CD54 + Podoplanin	504 ± 767	201 ± 197	210 ± 189	491 ± 719	315 ± 297
CD54 + SNA1	3695 ± 4758	1597 ± 1469	1711 ± 1397	2031 ± 1286	1952 ± 1266
CD54 + STAT3	28 ± 42	11 ± 17	12 ± 17	11 ± 17	11 ± 17
CD54 + TIA1	486 ± 515	344 ± 517	352 ± 511	546 ± 546	378 ± 499
CD54 + Vimentin	4198 ± 4271	2603 ± 2934	2838 ± 2772	3868 ± 3371	3368 ± 2649

Tabelle 531: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	159 ± 258	63 ± 127	68 ± 125	64 ± 126	66 ± 125
CD56 + BCL2	46 ± 40	25 ± 30	27 ± 29	26 ± 29	30 ± 30
CD56 + CCR6	204 ± 302	80 ± 102	119 ± 99	136 ± 138	94 ± 93
CD56 + CD11a	226 ± 276	73 ± 67	87 ± 60	145 ± 125	82 ± 63
CD56 + CD11b	272 ± 165	246 ± 177	220 ± 201	329 ± 240	297 ± 207
CD56 + CD120a	1 ± 2	1 ± 1	0 ± 1	13 ± 34	0 ± 1
CD56 + CD120b	30 ± 24	16 ± 16	18 ± 14	28 ± 21	26 ± 24
CD56 + CD138	97 ± 142	60 ± 128	79 ± 124	71 ± 125	65 ± 126
CD56 + CD15	13 ± 20	9 ± 11	7 ± 6	14 ± 18	5 ± 6
CD56 + CD1a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD2	192 ± 243	87 ± 54	89 ± 54	144 ± 98	82 ± 58
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	31 ± 21	22 ± 22	31 ± 20	39 ± 28	36 ± 36
CD56 + CD28	88 ± 81	35 ± 32	37 ± 30	82 ± 65	35 ± 32
CD56 + CD29	768 ± 418	590 ± 416	751 ± 330	639 ± 414	843 ± 590
CD56 + CD3	218 ± 228	102 ± 82	110 ± 74	236 ± 194	119 ± 76
CD56 + CD31	3 ± 4	3 ± 4	3 ± 5	4 ± 5	3 ± 5
CD56 + CD4	497 ± 614	275 ± 225	233 ± 216	410 ± 276	258 ± 210
CD56 + CD44	999 ± 908	740 ± 381	694 ± 388	882 ± 687	699 ± 388
CD56 + CD45	201 ± 315	43 ± 34	49 ± 30	97 ± 109	46 ± 32
CD56 + CD45RA	299 ± 263	185 ± 181	210 ± 168	254 ± 172	222 ± 182
CD56 + CD45RO	175 ± 195	94 ± 141	91 ± 140	109 ± 139	91 ± 142
CD56 + CD52	115 ± 124	46 ± 66	52 ± 64	80 ± 72	48 ± 65
CD56 + CD54	452 ± 596	203 ± 222	206 ± 219	302 ± 219	234 ± 209
CD56 + CD58	129 ± 77	139 ± 103	129 ± 91	215 ± 169	130 ± 81
CD56 + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD62P	12 ± 21	13 ± 21	12 ± 21	12 ± 22	15 ± 21
CD56 + CD68	506 ± 464	296 ± 282	367 ± 253	363 ± 275	370 ± 295
CD56 + CD7	148 ± 186	57 ± 58	80 ± 63	112 ± 88	58 ± 58
CD56 + CD8a	69 ± 58	51 ± 55	48 ± 56	59 ± 52	56 ± 54
CD56 + CK14	15 ± 29	15 ± 29	15 ± 29	15 ± 29	15 ± 29
CD56 + CLA	63 ± 36	42 ± 29	50 ± 30	55 ± 27	48 ± 27
CD56 + c-myc	187 ± 230	90 ± 127	134 ± 150	109 ± 121	94 ± 125
CD56 + Collagen IV	1058 ± 667	1026 ± 552	1070 ± 549	1202 ± 767	1391 ± 1326
CD56 + FXIIIA	598 ± 445	476 ± 266	455 ± 258	468 ± 385	437 ± 322
CD56 + HLA-DR	1243 ± 583	924 ± 381	982 ± 407	1186 ± 916	1014 ± 370
CD56 + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD56 + IL-23R	15 ± 14	10 ± 10	11 ± 10	19 ± 19	17 ± 20
CD56 + Ki67	13 ± 18	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD56 + PI	554 ± 402	399 ± 145	407 ± 162	519 ± 271	536 ± 336
CD56 + Podoplanin	240 ± 239	184 ± 143	154 ± 156	140 ± 149	182 ± 179
CD56 + SNA1	735 ± 488	503 ± 211	597 ± 246	549 ± 265	607 ± 284
CD56 + STAT3	142 ± 196	102 ± 185	129 ± 197	93 ± 188	105 ± 186
CD56 + TIA1	94 ± 81	63 ± 70	73 ± 63	72 ± 62	69 ± 65
CD56 + Vimentin	759 ± 489	615 ± 304	579 ± 298	591 ± 349	549 ± 283

Tabelle 532: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	89 ± 134	78 ± 140	78 ± 139	97 ± 137	77 ± 140
CD58 + BCL2	51 ± 50	38 ± 53	39 ± 52	53 ± 56	42 ± 51
CD58 + CCR6	94 ± 117	80 ± 124	81 ± 122	121 ± 133	81 ± 123
CD58 + CD11a	491 ± 585	388 ± 617	382 ± 620	726 ± 873	408 ± 607
CD58 + CD11b	282 ± 391	270 ± 397	255 ± 406	368 ± 373	297 ± 389
CD58 + CD120a	3 ± 3	2 ± 3	3 ± 3	65 ± 164	3 ± 3
CD58 + CD120b	102 ± 153	82 ± 159	78 ± 161	203 ± 309	81 ± 159
CD58 + CD138	36 ± 50	31 ± 52	33 ± 51	36 ± 50	31 ± 52
CD58 + CD15	6 ± 5	3 ± 3	3 ± 3	42 ± 97	3 ± 3
CD58 + CD1a	13 ± 15	14 ± 16	8 ± 14	9 ± 13	8 ± 14
CD58 + CD2	412 ± 547	365 ± 572	360 ± 575	495 ± 565	371 ± 568
CD58 + CD207	27 ± 39	24 ± 39	20 ± 39	22 ± 39	21 ± 39
CD58 + CD24	46 ± 39	37 ± 42	34 ± 44	90 ± 109	36 ± 42
CD58 + CD28	382 ± 466	308 ± 495	307 ± 496	653 ± 809	319 ± 488
CD58 + CD29	356 ± 310	291 ± 342	306 ± 334	385 ± 305	313 ± 325
CD58 + CD3	509 ± 610	431 ± 645	420 ± 652	870 ± 991	457 ± 632
CD58 + CD31	106 ± 148	89 ± 154	90 ± 153	111 ± 148	89 ± 154
CD58 + CD4	562 ± 671	473 ± 712	462 ± 719	852 ± 887	504 ± 697
CD58 + CD44	639 ± 607	531 ± 643	496 ± 663	1091 ± 1195	535 ± 641
CD58 + CD45	446 ± 484	351 ± 514	341 ± 521	864 ± 1273	361 ± 509
CD58 + CD45RA	195 ± 186	154 ± 205	149 ± 208	237 ± 250	152 ± 206
CD58 + CD45RO	267 ± 340	201 ± 361	204 ± 359	438 ± 601	203 ± 360
CD58 + CD52	389 ± 557	334 ± 579	331 ± 581	721 ± 1011	338 ± 577
CD58 + CD54	621 ± 722	525 ± 768	508 ± 779	1025 ± 1207	549 ± 757
CD58 + CD56	129 ± 77	139 ± 103	129 ± 91	215 ± 169	130 ± 81
CD58 + CD62E	8 ± 13	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD58 + CD62P	18 ± 31	18 ± 31	18 ± 31	18 ± 31	18 ± 31
CD58 + CD68	179 ± 317	167 ± 323	167 ± 324	263 ± 339	173 ± 321
CD58 + CD7	312 ± 388	257 ± 412	257 ± 412	434 ± 499	264 ± 408
CD58 + CD8a	208 ± 310	197 ± 315	185 ± 321	249 ± 302	188 ± 319
CD58 + CK14	34 ± 64	34 ± 64	34 ± 64	34 ± 64	34 ± 64
CD58 + CLA	118 ± 144	100 ± 152	99 ± 153	139 ± 157	104 ± 150
CD58 + c-myc	132 ± 230	118 ± 236	116 ± 237	164 ± 245	117 ± 237
CD58 + Collagen IV	342 ± 411	317 ± 424	295 ± 430	489 ± 446	304 ± 424
CD58 + FXIIIA	45 ± 38	42 ± 42	35 ± 43	71 ± 68	35 ± 43
CD58 + HLA-DR	734 ± 660	588 ± 707	578 ± 714	1110 ± 1033	606 ± 697
CD58 + IL-22R	2 ± 4	2 ± 4	2 ± 4	8 ± 15	2 ± 4
CD58 + IL-23R	15 ± 24	13 ± 24	13 ± 24	54 ± 106	13 ± 24
CD58 + Ki67	7 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD58 + PI	567 ± 683	491 ± 717	468 ± 730	579 ± 680	490 ± 717
CD58 + Podoplanin	57 ± 64	45 ± 64	43 ± 65	90 ± 124	47 ± 64
CD58 + SNA1	368 ± 283	238 ± 263	238 ± 264	311 ± 233	259 ± 251
CD58 + STAT3	34 ± 55	28 ± 56	29 ± 56	28 ± 56	28 ± 56
CD58 + TIA1	90 ± 114	76 ± 122	77 ± 121	102 ± 113	76 ± 122
CD58 + Vimentin	389 ± 530	321 ± 543	308 ± 549	463 ± 562	315 ± 546

Tabelle 533: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	9 ± 15	5 ± 13	5 ± 13	5 ± 13	5 ± 13
CD62E + BCL2	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + CCR6	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD62E + CD11a	0 ± 0	0 ± 0	1 ± 3	1 ± 2	0 ± 0
CD62E + CD11b	7 ± 15	6 ± 15	12 ± 20	15 ± 19	6 ± 15
CD62E + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD138	4 ± 9	4 ± 9	7 ± 11	6 ± 9	5 ± 9
CD62E + CD15	2 ± 4	1 ± 2	3 ± 6	7 ± 10	3 ± 6
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	1 ± 3	1 ± 3	2 ± 3	2 ± 3	1 ± 3
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	1 ± 4	0 ± 0	1 ± 2	8 ± 14	0 ± 0
CD62E + CD28	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD62E + CD29	12 ± 22	8 ± 21	8 ± 21	12 ± 22	8 ± 21
CD62E + CD3	0 ± 1	0 ± 1	1 ± 3	2 ± 4	0 ± 1
CD62E + CD31	12 ± 22	8 ± 21	8 ± 21	8 ± 21	8 ± 21
CD62E + CD4	5 ± 8	3 ± 7	3 ± 7	4 ± 7	3 ± 7
CD62E + CD44	2 ± 2	1 ± 2	6 ± 12	3 ± 4	1 ± 2
CD62E + CD45	0 ± 1	0 ± 1	2 ± 5	1 ± 1	0 ± 1
CD62E + CD45RA	1 ± 3	1 ± 3	2 ± 3	1 ± 3	1 ± 3
CD62E + CD45RO	3 ± 6	3 ± 6	10 ± 20	7 ± 10	3 ± 6
CD62E + CD52	4 ± 11	4 ± 11	8 ± 13	5 ± 11	4 ± 11
CD62E + CD54	15 ± 25	8 ± 21	8 ± 21	10 ± 20	8 ± 21
CD62E + CD56	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + CD58	8 ± 13	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD62E + CD62P	13 ± 31	13 ± 31	19 ± 33	15 ± 31	16 ± 31
CD62E + CD68	8 ± 21	8 ± 21	8 ± 21	8 ± 21	9 ± 21
CD62E + CD7	0 ± 1	0 ± 1	2 ± 5	1 ± 1	0 ± 1
CD62E + CD8a	0 ± 1	0 ± 1	2 ± 4	0 ± 1	0 ± 1
CD62E + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	2 ± 2	2 ± 2	2 ± 3	2 ± 2	1 ± 2
CD62E + c-myc	7 ± 14	6 ± 14	6 ± 14	6 ± 14	6 ± 14
CD62E + Collagen IV	11 ± 19	6 ± 17	7 ± 17	12 ± 20	6 ± 17
CD62E + FXIIIA	1 ± 2	1 ± 2	2 ± 3	3 ± 7	6 ± 14
CD62E + HLA-DR	13 ± 22	6 ± 13	10 ± 16	10 ± 17	6 ± 13
CD62E + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + IL-23R	2 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 1
CD62E + PI	19 ± 30	12 ± 30	22 ± 36	20 ± 29	14 ± 29
CD62E + Podoplanin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	17 ± 26	11 ± 25	18 ± 28	13 ± 25	14 ± 25
CD62E + STAT3	1 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + TIA1	2 ± 4	1 ± 1	1 ± 1	6 ± 14	1 ± 1
CD62E + Vimentin	13 ± 21	8 ± 18	13 ± 21	9 ± 18	8 ± 19

Tabelle 534: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	41 ± 62	42 ± 61	42 ± 62	43 ± 61	40 ± 63
CD62P + BCL2	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD62P + CCR6	9 ± 17	8 ± 17	8 ± 17	9 ± 17	10 ± 17
CD62P + CD11a	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD62P + CD11b	16 ± 22	18 ± 21	19 ± 21	23 ± 20	16 ± 22
CD62P + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD120b	11 ± 16	11 ± 16	11 ± 16	11 ± 16	11 ± 16
CD62P + CD138	17 ± 32	17 ± 32	20 ± 31	18 ± 31	19 ± 31
CD62P + CD15	15 ± 24	15 ± 24	17 ± 23	18 ± 22	17 ± 23
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	2 ± 3	2 ± 4	2 ± 3	4 ± 7	2 ± 3
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	22 ± 34	22 ± 34	23 ± 34	25 ± 33	22 ± 34
CD62P + CD28	3 ± 6	4 ± 6	3 ± 6	6 ± 8	3 ± 6
CD62P + CD29	74 ± 73	76 ± 71	76 ± 72	79 ± 69	76 ± 71
CD62P + CD3	2 ± 3	4 ± 6	2 ± 3	6 ± 13	2 ± 3
CD62P + CD31	35 ± 55	37 ± 53	36 ± 54	41 ± 51	35 ± 55
CD62P + CD4	16 ± 33	18 ± 32	16 ± 33	20 ± 32	16 ± 33
CD62P + CD44	36 ± 56	37 ± 56	37 ± 55	38 ± 55	35 ± 57
CD62P + CD45	1 ± 2	2 ± 2	2 ± 2	1 ± 2	1 ± 2
CD62P + CD45RA	15 ± 24	16 ± 24	14 ± 25	14 ± 25	17 ± 24
CD62P + CD45RO	10 ± 21	11 ± 21	15 ± 22	12 ± 21	14 ± 21
CD62P + CD52	12 ± 29	12 ± 29	14 ± 28	13 ± 28	12 ± 29
CD62P + CD54	49 ± 90	50 ± 89	50 ± 89	54 ± 87	48 ± 90
CD62P + CD56	12 ± 21	13 ± 21	12 ± 21	12 ± 22	15 ± 21
CD62P + CD58	18 ± 31	18 ± 31	18 ± 31	18 ± 31	18 ± 31
CD62P + CD62E	13 ± 31	13 ± 31	19 ± 33	15 ± 31	16 ± 31
CD62P + CD68	38 ± 50	38 ± 49	39 ± 49	41 ± 48	41 ± 48
CD62P + CD7	2 ± 4	4 ± 6	3 ± 4	3 ± 5	2 ± 4
CD62P + CD8a	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD62P + CK14	5 ± 13	5 ± 13	5 ± 13	5 ± 13	5 ± 13
CD62P + CLA	1 ± 2	2 ± 2	2 ± 3	1 ± 2	1 ± 2
CD62P + c-myc	36 ± 66	35 ± 67	36 ± 66	35 ± 67	37 ± 66
CD62P + Collagen IV	34 ± 71	36 ± 70	36 ± 70	37 ± 70	34 ± 71
CD62P + FXIIIA	14 ± 20	14 ± 19	13 ± 20	15 ± 19	20 ± 22
CD62P + HLA-DR	53 ± 52	56 ± 50	56 ± 49	60 ± 48	55 ± 50
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	6 ± 8	6 ± 8	6 ± 8	6 ± 8	7 ± 8
CD62P + Ki67	0 ± 1	0 ± 1	0 ± 1	1 ± 3	1 ± 1
CD62P + PI	31 ± 51	31 ± 51	36 ± 49	35 ± 50	30 ± 51
CD62P + Podoplanin	11 ± 21	12 ± 21	11 ± 21	11 ± 21	14 ± 21
CD62P + SNA1	55 ± 55	57 ± 53	61 ± 50	60 ± 51	58 ± 52
CD62P + STAT3	11 ± 21	11 ± 21	10 ± 21	10 ± 21	13 ± 21
CD62P + TIA1	9 ± 16	8 ± 16	8 ± 16	10 ± 16	8 ± 16
CD62P + Vimentin	40 ± 54	42 ± 52	43 ± 52	44 ± 51	41 ± 53

Tabelle 535: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	184 ± 229	100 ± 144	110 ± 140	136 ± 152	101 ± 143
CD68 + BCL2	250 ± 232	166 ± 149	174 ± 144	183 ± 146	188 ± 148
CD68 + CCR6	366 ± 427	228 ± 354	268 ± 330	324 ± 318	275 ± 332
CD68 + CD11a	1005 ± 1529	672 ± 1478	953 ± 1515	1063 ± 1613	721 ± 1456
CD68 + CD11b	2150 ± 2403	1856 ± 2552	1930 ± 2497	2309 ± 2293	2201 ± 2354
CD68 + CD120a	4 ± 4	3 ± 4	5 ± 5	38 ± 88	3 ± 4
CD68 + CD120b	100 ± 143	69 ± 141	91 ± 141	134 ± 187	76 ± 138
CD68 + CD138	68 ± 102	32 ± 68	43 ± 66	34 ± 67	36 ± 67
CD68 + CD15	65 ± 84	46 ± 42	31 ± 31	162 ± 270	37 ± 30
CD68 + CD1a	5 ± 11	5 ± 11	5 ± 11	6 ± 11	4 ± 11
CD68 + CD2	1091 ± 1564	801 ± 1550	1039 ± 1543	1095 ± 1554	841 ± 1529
CD68 + CD207	35 ± 85	35 ± 85	38 ± 84	38 ± 84	35 ± 85
CD68 + CD24	47 ± 46	26 ± 25	60 ± 79	150 ± 295	33 ± 19
CD68 + CD28	482 ± 782	355 ± 788	442 ± 775	568 ± 832	381 ± 775
CD68 + CD29	830 ± 544	643 ± 574	740 ± 484	765 ± 504	770 ± 463
CD68 + CD3	900 ± 1365	658 ± 1356	905 ± 1374	1072 ± 1466	733 ± 1322
CD68 + CD31	150 ± 183	148 ± 184	159 ± 178	225 ± 210	172 ± 176
CD68 + CD4	1554 ± 1843	1017 ± 1628	1344 ± 1617	1498 ± 1625	1137 ± 1559
CD68 + CD44	2413 ± 1973	1819 ± 1685	2462 ± 1811	2450 ± 1541	2172 ± 1534
CD68 + CD45	919 ± 1268	499 ± 988	779 ± 1095	985 ± 1431	531 ± 972
CD68 + CD45RA	513 ± 545	355 ± 510	506 ± 522	604 ± 610	398 ± 483
CD68 + CD45RO	647 ± 905	395 ± 802	506 ± 793	724 ± 1033	407 ± 796
CD68 + CD52	649 ± 1124	549 ± 1155	695 ± 1142	753 ± 1159	554 ± 1152
CD68 + CD54	1557 ± 1883	981 ± 1601	1097 ± 1534	1471 ± 1665	1095 ± 1534
CD68 + CD56	506 ± 464	296 ± 282	367 ± 253	363 ± 275	370 ± 295
CD68 + CD58	179 ± 317	167 ± 323	167 ± 324	263 ± 339	173 ± 321
CD68 + CD62E	8 ± 21	8 ± 21	8 ± 21	8 ± 21	9 ± 21
CD68 + CD62P	38 ± 50	38 ± 49	39 ± 49	41 ± 48	41 ± 48
CD68 + CD7	479 ± 739	332 ± 727	575 ± 859	509 ± 753	356 ± 716
CD68 + CD8a	276 ± 438	217 ± 444	306 ± 457	265 ± 432	237 ± 434
CD68 + CK14	89 ± 196	101 ± 192	89 ± 196	89 ± 196	94 ± 194
CD68 + CLA	276 ± 292	223 ± 309	364 ± 402	378 ± 340	267 ± 283
CD68 + c-myc	342 ± 319	299 ± 313	319 ± 313	274 ± 322	349 ± 286
CD68 + Collagen IV	639 ± 636	677 ± 617	725 ± 581	700 ± 612	708 ± 599
CD68 + FXIIIA	1542 ± 1124	1088 ± 989	1475 ± 910	1421 ± 793	1438 ± 844
CD68 + HLA-DR	2977 ± 2175	2371 ± 2393	3189 ± 2367	3065 ± 1937	2787 ± 2087
CD68 + IL-22R	2 ± 4	2 ± 4	2 ± 4	3 ± 5	2 ± 4
CD68 + IL-23R	59 ± 35	45 ± 45	46 ± 44	107 ± 105	69 ± 36
CD68 + Ki67	17 ± 24	12 ± 20	9 ± 20	12 ± 19	10 ± 20
CD68 + PI	1860 ± 1740	1541 ± 1698	1773 ± 1622	1649 ± 1620	1614 ± 1635
CD68 + Podoplanin	226 ± 218	194 ± 108	139 ± 90	169 ± 95	229 ± 229
CD68 + SNA1	1534 ± 904	1181 ± 709	1400 ± 651	1344 ± 598	1405 ± 614
CD68 + STAT3	92 ± 103	53 ± 77	64 ± 78	51 ± 78	61 ± 77
CD68 + TIA1	187 ± 263	158 ± 274	173 ± 265	214 ± 274	168 ± 268
CD68 + Vimentin	3063 ± 2659	2573 ± 2712	3075 ± 2559	3084 ± 2438	2978 ± 2502

Tabelle 536: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	21 ± 28	23 ± 31	16 ± 28	24 ± 32	19 ± 27
CD7 + BCL2	441 ± 372	242 ± 349	317 ± 339	378 ± 410	291 ± 318
CD7 + CCR6	353 ± 412	247 ± 402	287 ± 385	453 ± 491	311 ± 392
CD7 + CD11a	3923 ± 3538	2355 ± 3206	3384 ± 3440	3897 ± 3415	2613 ± 3023
CD7 + CD11b	1437 ± 1522	1053 ± 1563	1073 ± 1549	1343 ± 1478	1276 ± 1462
CD7 + CD120a	7 ± 9	3 ± 4	4 ± 4	33 ± 77	3 ± 4
CD7 + CD120b	337 ± 462	218 ± 453	307 ± 463	409 ± 537	254 ± 442
CD7 + CD138	13 ± 20	5 ± 9	7 ± 8	6 ± 8	6 ± 9
CD7 + CD15	115 ± 241	21 ± 31	26 ± 29	68 ± 97	25 ± 30
CD7 + CD1a	23 ± 33	17 ± 33	19 ± 33	17 ± 33	16 ± 33
CD7 + CD2	3529 ± 3250	2313 ± 3194	3175 ± 3269	3557 ± 3210	2666 ± 2997
CD7 + CD207	105 ± 170	86 ± 176	108 ± 174	90 ± 175	117 ± 178
CD7 + CD24	129 ± 150	62 ± 62	122 ± 132	131 ± 97	77 ± 59
CD7 + CD28	2525 ± 2376	1646 ± 2442	2041 ± 2361	2698 ± 2434	1856 ± 2318
CD7 + CD29	432 ± 400	219 ± 163	301 ± 174	292 ± 112	312 ± 197
CD7 + CD3	4052 ± 3580	2615 ± 3521	3725 ± 3721	4461 ± 3738	3018 ± 3280
CD7 + CD31	23 ± 19	23 ± 20	20 ± 22	33 ± 20	21 ± 20
CD7 + CD4	3594 ± 3416	2202 ± 3052	3090 ± 3204	3639 ± 3309	2519 ± 2864
CD7 + CD44	3650 ± 2997	2169 ± 2548	3319 ± 3017	3719 ± 2575	2567 ± 2305
CD7 + CD45	3559 ± 3298	2025 ± 2755	3080 ± 3206	3427 ± 3243	2271 ± 2593
CD7 + CD45RA	1202 ± 1066	766 ± 934	1071 ± 962	1209 ± 891	848 ± 879
CD7 + CD45RO	1999 ± 2185	1030 ± 1847	1519 ± 1959	1965 ± 2216	1097 ± 1810
CD7 + CD52	2275 ± 2534	1563 ± 2677	2116 ± 2705	2428 ± 2648	1737 ± 2595
CD7 + CD54	2867 ± 3305	1638 ± 2348	1773 ± 2264	2612 ± 2589	1877 ± 2208
CD7 + CD56	148 ± 186	57 ± 58	80 ± 63	112 ± 88	58 ± 58
CD7 + CD58	312 ± 388	257 ± 412	257 ± 412	434 ± 499	264 ± 408
CD7 + CD62E	0 ± 1	0 ± 1	2 ± 5	1 ± 1	0 ± 1
CD7 + CD62P	2 ± 4	4 ± 6	3 ± 4	3 ± 5	2 ± 4
CD7 + CD68	479 ± 739	332 ± 727	575 ± 859	509 ± 753	356 ± 716
CD7 + CD8a	1784 ± 1614	1289 ± 1758	1761 ± 1806	1933 ± 1583	1405 ± 1676
CD7 + CK14	3 ± 6	3 ± 6	3 ± 6	3 ± 6	5 ± 7
CD7 + CLA	914 ± 645	582 ± 622	1021 ± 1056	850 ± 516	731 ± 523
CD7 + c-myc	55 ± 66	28 ± 54	31 ± 53	49 ± 69	33 ± 52
CD7 + Collagen IV	438 ± 438	233 ± 247	380 ± 390	334 ± 220	317 ± 273
CD7 + FXIIIA	114 ± 108	59 ± 54	78 ± 42	171 ± 179	99 ± 90
CD7 + HLA-DR	3163 ± 2289	1981 ± 2300	2953 ± 2592	3067 ± 2010	2269 ± 2098
CD7 + IL-22R	2 ± 3	2 ± 3	2 ± 3	8 ± 14	2 ± 3
CD7 + IL-23R	5 ± 6	2 ± 3	2 ± 3	42 ± 91	2 ± 3
CD7 + Ki67	6 ± 4	3 ± 4	3 ± 4	3 ± 4	8 ± 9
CD7 + PI	3324 ± 2999	2202 ± 2990	2910 ± 2973	2991 ± 2635	2478 ± 2822
CD7 + Podoplanin	164 ± 301	43 ± 79	42 ± 79	193 ± 373	54 ± 77
CD7 + SNA1	1020 ± 1293	322 ± 325	509 ± 424	486 ± 315	371 ± 288
CD7 + STAT3	8 ± 9	6 ± 9	7 ± 9	6 ± 9	6 ± 9
CD7 + TIA1	612 ± 608	455 ± 653	511 ± 616	625 ± 579	497 ± 624
CD7 + Vimentin	1641 ± 1639	944 ± 1468	1313 ± 1486	1596 ± 1594	1124 ± 1396

Tabelle 537: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	20 ± 31	16 ± 25	10 ± 24	20 ± 31	16 ± 26
CD8a + BCL2	239 ± 173	149 ± 184	195 ± 176	198 ± 185	182 ± 162
CD8a + CCR6	198 ± 222	163 ± 235	179 ± 224	243 ± 213	217 ± 235
CD8a + CD11a	2777 ± 2112	2025 ± 2416	2449 ± 2298	2995 ± 2131	2255 ± 2242
CD8a + CD11b	950 ± 966	855 ± 1010	781 ± 1065	1082 ± 1037	949 ± 962
CD8a + CD120a	2 ± 2	2 ± 2	2 ± 2	5 ± 7	2 ± 2
CD8a + CD120b	162 ± 241	139 ± 250	161 ± 246	200 ± 239	170 ± 243
CD8a + CD138	9 ± 12	5 ± 10	6 ± 10	6 ± 10	5 ± 10
CD8a + CD15	42 ± 81	10 ± 8	8 ± 4	39 ± 69	13 ± 15
CD8a + CD1a	14 ± 27	19 ± 27	15 ± 26	14 ± 26	14 ± 27
CD8a + CD2	2614 ± 2081	2044 ± 2330	2411 ± 2216	2807 ± 2014	2361 ± 2169
CD8a + CD207	37 ± 87	41 ± 86	51 ± 87	42 ± 85	47 ± 86
CD8a + CD24	84 ± 47	68 ± 57	87 ± 57	132 ± 94	92 ± 58
CD8a + CD28	1293 ± 1410	1023 ± 1546	1155 ± 1490	1522 ± 1416	1108 ± 1492
CD8a + CD29	224 ± 95	185 ± 125	196 ± 118	224 ± 127	278 ± 220
CD8a + CD3	2736 ± 2267	2202 ± 2535	2632 ± 2375	3335 ± 2344	2544 ± 2332
CD8a + CD31	6 ± 11	5 ± 12	5 ± 12	9 ± 13	6 ± 11
CD8a + CD4	1854 ± 1800	1488 ± 1899	1687 ± 1874	1972 ± 1742	1578 ± 1843
CD8a + CD44	2601 ± 1361	1934 ± 1605	2351 ± 1479	2897 ± 1492	2281 ± 1396
CD8a + CD45	2310 ± 1750	1567 ± 1905	2010 ± 1869	2313 ± 1767	1715 ± 1795
CD8a + CD45RA	832 ± 644	598 ± 737	726 ± 687	949 ± 667	685 ± 675
CD8a + CD45RO	1046 ± 1109	658 ± 1162	806 ± 1128	1120 ± 1144	694 ± 1141
CD8a + CD52	1618 ± 1882	1198 ± 2027	1495 ± 1991	1710 ± 1885	1333 ± 1969
CD8a + CD54	1561 ± 1463	1186 ± 1403	1162 ± 1421	1571 ± 1286	1378 ± 1306
CD8a + CD56	69 ± 58	51 ± 55	48 ± 56	59 ± 52	56 ± 54
CD8a + CD58	208 ± 310	197 ± 315	185 ± 321	249 ± 302	188 ± 319
CD8a + CD62E	0 ± 1	0 ± 1	2 ± 4	0 ± 1	0 ± 1
CD8a + CD62P	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD8a + CD68	276 ± 438	217 ± 444	306 ± 457	265 ± 432	237 ± 434
CD8a + CD7	1784 ± 1614	1289 ± 1758	1761 ± 1806	1933 ± 1583	1405 ± 1676
CD8a + CK14	4 ± 7	5 ± 7	4 ± 8	4 ± 8	7 ± 9
CD8a + CLA	1027 ± 430	793 ± 614	1023 ± 558	1019 ± 393	1091 ± 441
CD8a + c-myc	47 ± 62	34 ± 64	34 ± 64	40 ± 62	46 ± 62
CD8a + Collagen IV	345 ± 275	277 ± 288	307 ± 288	352 ± 289	419 ± 397
CD8a + FXIIIA	93 ± 59	88 ± 71	62 ± 50	107 ± 76	92 ± 59
CD8a + HLA-DR	2487 ± 1317	1952 ± 1678	2268 ± 1513	2705 ± 1661	2208 ± 1481
CD8a + IL-22R	2 ± 3	2 ± 3	2 ± 3	5 ± 8	2 ± 3
CD8a + IL-23R	1 ± 1	1 ± 1	1 ± 1	7 ± 16	1 ± 1
CD8a + Ki67	2 ± 2	1 ± 1	1 ± 1	1 ± 1	6 ± 15
CD8a + PI	2647 ± 2425	2103 ± 2673	2373 ± 2572	2811 ± 2489	2373 ± 2526
CD8a + Podoplanin	67 ± 107	30 ± 55	26 ± 56	47 ± 69	40 ± 62
CD8a + SNA1	573 ± 450	294 ± 150	307 ± 141	365 ± 136	327 ± 132
CD8a + STAT3	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD8a + TIA1	652 ± 713	507 ± 779	547 ± 752	735 ± 701	615 ± 724
CD8a + Vimentin	1020 ± 997	805 ± 1043	884 ± 1029	1059 ± 997	918 ± 1019

Tabelle 538: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	11 ± 29	11 ± 29	11 ± 29	11 ± 29	11 ± 29
CK14 + BCL2	15 ± 37	16 ± 36	15 ± 37	15 ± 37	16 ± 36
CK14 + CCR6	11 ± 27	11 ± 27	11 ± 27	11 ± 27	11 ± 27
CK14 + CD11a	4 ± 6	4 ± 6	4 ± 6	4 ± 6	6 ± 6
CK14 + CD11b	13 ± 23	13 ± 23	13 ± 23	14 ± 23	16 ± 23
CK14 + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CK14 + CD120b	0 ± 1	1 ± 1	0 ± 1	0 ± 1	2 ± 3
CK14 + CD138	36 ± 69	36 ± 68	36 ± 69	36 ± 69	36 ± 68
CK14 + CD15	0 ± 1	1 ± 1	0 ± 1	1 ± 2	0 ± 1
CK14 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD2	9 ± 18	9 ± 18	8 ± 18	8 ± 18	12 ± 19
CK14 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD24	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CK14 + CD28	4 ± 6	4 ± 6	4 ± 6	4 ± 6	6 ± 8
CK14 + CD29	44 ± 59	46 ± 57	45 ± 58	45 ± 58	47 ± 57
CK14 + CD3	5 ± 7	5 ± 7	5 ± 7	5 ± 7	9 ± 11
CK14 + CD31	2 ± 3	2 ± 3	2 ± 3	2 ± 3	3 ± 4
CK14 + CD4	14 ± 26	13 ± 26	13 ± 26	13 ± 26	15 ± 25
CK14 + CD44	71 ± 119	76 ± 116	72 ± 118	73 ± 118	78 ± 115
CK14 + CD45	4 ± 5	4 ± 5	3 ± 5	3 ± 5	5 ± 5
CK14 + CD45RA	15 ± 31	15 ± 31	15 ± 31	15 ± 31	16 ± 30
CK14 + CD45RO	12 ± 28	11 ± 29	11 ± 29	11 ± 29	11 ± 29
CK14 + CD52	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CK14 + CD54	3 ± 5	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CK14 + CD56	15 ± 29	15 ± 29	15 ± 29	15 ± 29	15 ± 29
CK14 + CD58	34 ± 64	34 ± 64	34 ± 64	34 ± 64	34 ± 64
CK14 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	5 ± 13	5 ± 13	5 ± 13	5 ± 13	5 ± 13
CK14 + CD68	89 ± 196	101 ± 192	89 ± 196	89 ± 196	94 ± 194
CK14 + CD7	3 ± 6	3 ± 6	3 ± 6	3 ± 6	5 ± 7
CK14 + CD8a	4 ± 7	5 ± 7	4 ± 8	4 ± 8	7 ± 9
CK14 + CLA	7 ± 13	7 ± 13	7 ± 13	7 ± 13	8 ± 13
CK14 + c-myc	148 ± 185	155 ± 180	147 ± 186	145 ± 187	188 ± 180
CK14 + Collagen IV	174 ± 306	192 ± 296	177 ± 304	176 ± 304	232 ± 304
CK14 + FXIIIA	22 ± 35	21 ± 36	21 ± 36	21 ± 36	21 ± 36
CK14 + HLA-DR	158 ± 232	157 ± 232	156 ± 233	160 ± 230	162 ± 229
CK14 + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CK14 + IL-23R	13 ± 31	13 ± 31	13 ± 31	13 ± 31	13 ± 31
CK14 + Ki67	1 ± 2	2 ± 3	1 ± 2	1 ± 2	1 ± 2
CK14 + PI	107 ± 185	114 ± 181	107 ± 185	107 ± 185	111 ± 182
CK14 + Podoplanin	14 ± 29	15 ± 28	14 ± 29	14 ± 29	14 ± 29
CK14 + SNA1	265 ± 409	283 ± 397	266 ± 408	264 ± 410	310 ± 391
CK14 + STAT3	11 ± 29	12 ± 28	11 ± 28	11 ± 29	11 ± 29
CK14 + TIA1	10 ± 25	10 ± 25	10 ± 25	10 ± 25	10 ± 25
CK14 + Vimentin	56 ± 108	63 ± 104	57 ± 107	57 ± 108	69 ± 106

Tabelle 539: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	15 ± 25	7 ± 8	5 ± 8	8 ± 10	10 ± 14
CLA + BCL2	211 ± 146	140 ± 160	176 ± 148	158 ± 148	203 ± 136
CLA + CCR6	177 ± 158	137 ± 170	158 ± 157	190 ± 143	211 ± 207
CLA + CD11a	1743 ± 917	1099 ± 982	1612 ± 1246	1587 ± 782	1436 ± 703
CLA + CD11b	802 ± 426	629 ± 547	629 ± 549	1021 ± 495	892 ± 432
CLA + CD120a	4 ± 6	2 ± 2	5 ± 9	11 ± 25	2 ± 2
CLA + CD120b	105 ± 130	71 ± 129	109 ± 147	116 ± 143	107 ± 133
CLA + CD138	6 ± 9	3 ± 7	7 ± 10	4 ± 7	4 ± 7
CLA + CD15	86 ± 124	22 ± 27	24 ± 25	200 ± 443	32 ± 34
CLA + CD1a	13 ± 17	11 ± 18	13 ± 18	12 ± 17	11 ± 18
CLA + CD2	1544 ± 849	1098 ± 940	1510 ± 1056	1459 ± 661	1570 ± 897
CLA + CD207	53 ± 72	42 ± 77	77 ± 107	57 ± 78	84 ± 120
CLA + CD24	65 ± 45	30 ± 24	53 ± 47	169 ± 325	52 ± 37
CLA + CD28	712 ± 533	463 ± 553	620 ± 570	669 ± 469	590 ± 490
CLA + CD29	206 ± 141	150 ± 134	178 ± 127	188 ± 129	328 ± 388
CLA + CD3	1574 ± 878	1108 ± 992	1534 ± 1074	1668 ± 772	1616 ± 833
CLA + CD31	5 ± 6	4 ± 6	4 ± 6	10 ± 11	5 ± 6
CLA + CD4	1455 ± 1036	958 ± 958	1350 ± 1122	1363 ± 787	1304 ± 776
CLA + CD44	1938 ± 638	1344 ± 905	1884 ± 1091	2055 ± 576	2045 ± 931
CLA + CD45	1303 ± 897	726 ± 652	1172 ± 1061	1116 ± 673	952 ± 515
CLA + CD45RA	641 ± 354	419 ± 360	651 ± 517	707 ± 419	580 ± 283
CLA + CD45RO	714 ± 763	325 ± 535	523 ± 648	614 ± 608	361 ± 518
CLA + CD52	836 ± 733	571 ± 804	839 ± 903	841 ± 737	769 ± 790
CLA + CD54	983 ± 957	602 ± 600	658 ± 566	845 ± 550	977 ± 601
CLA + CD56	63 ± 36	42 ± 29	50 ± 30	55 ± 27	48 ± 27
CLA + CD58	118 ± 144	100 ± 152	99 ± 153	139 ± 157	104 ± 150
CLA + CD62E	2 ± 2	2 ± 2	2 ± 3	2 ± 2	1 ± 2
CLA + CD62P	1 ± 2	2 ± 2	2 ± 3	1 ± 2	1 ± 2
CLA + CD68	276 ± 292	223 ± 309	364 ± 402	378 ± 340	267 ± 283
CLA + CD7	914 ± 645	582 ± 622	1021 ± 1056	850 ± 516	731 ± 523
CLA + CD8a	1027 ± 430	793 ± 614	1023 ± 558	1019 ± 393	1091 ± 441
CLA + CK14	7 ± 13	7 ± 13	7 ± 13	7 ± 13	8 ± 13
CLA + c-myc	34 ± 28	20 ± 29	21 ± 27	44 ± 55	25 ± 26
CLA + Collagen IV	217 ± 153	135 ± 122	194 ± 153	207 ± 111	281 ± 334
CLA + FXIIIA	93 ± 43	69 ± 44	72 ± 40	116 ± 55	118 ± 64
CLA + HLA-DR	1869 ± 539	1311 ± 962	1773 ± 1023	1869 ± 630	1811 ± 663
CLA + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CLA + IL-23R	7 ± 6	4 ± 4	4 ± 4	16 ± 23	14 ± 24
CLA + Ki67	5 ± 7	2 ± 4	2 ± 4	2 ± 4	18 ± 38
CLA + PI	1513 ± 779	1064 ± 941	1356 ± 910	1411 ± 723	1543 ± 799
CLA + Podoplanin	57 ± 77	28 ± 21	24 ± 23	56 ± 61	45 ± 35
CLA + SNA1	500 ± 492	195 ± 124	258 ± 123	286 ± 143	250 ± 87
CLA + STAT3	9 ± 11	6 ± 9	6 ± 9	6 ± 9	6 ± 9
CLA + TIA1	256 ± 204	172 ± 233	182 ± 225	340 ± 388	247 ± 222
CLA + Vimentin	1002 ± 553	739 ± 687	903 ± 652	1052 ± 595	1136 ± 806

Tabelle 540: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	276 ± 439	202 ± 436	210 ± 432	202 ± 436	202 ± 436
c-myc + BCL2	139 ± 89	100 ± 95	95 ± 97	92 ± 100	134 ± 105
c-myc + CCR6	95 ± 167	31 ± 59	58 ± 82	37 ± 56	35 ± 57
c-myc + CD11a	135 ± 158	64 ± 134	65 ± 133	123 ± 181	74 ± 129
c-myc + CD11b	256 ± 280	189 ± 301	191 ± 300	222 ± 290	264 ± 282
c-myc + CD120a	5 ± 7	2 ± 2	2 ± 2	17 ± 35	2 ± 2
c-myc + CD120b	18 ± 32	6 ± 13	6 ± 13	11 ± 17	7 ± 13
c-myc + CD138	72 ± 104	36 ± 72	55 ± 78	37 ± 71	38 ± 71
c-myc + CD15	30 ± 57	10 ± 16	10 ± 16	44 ± 90	8 ± 16
c-myc + CD1a	2 ± 3	2 ± 3	1 ± 2	1 ± 2	1 ± 2
c-myc + CD2	78 ± 114	53 ± 114	53 ± 114	63 ± 111	70 ± 113
c-myc + CD207	3 ± 4	2 ± 4	3 ± 5	2 ± 4	2 ± 4
c-myc + CD24	17 ± 26	7 ± 13	8 ± 13	27 ± 50	9 ± 13
c-myc + CD28	53 ± 71	32 ± 70	32 ± 70	45 ± 72	35 ± 69
c-myc + CD29	611 ± 745	449 ± 768	478 ± 752	468 ± 756	478 ± 750
c-myc + CD3	85 ± 109	53 ± 109	55 ± 107	95 ± 138	78 ± 103
c-myc + CD31	130 ± 284	120 ± 289	124 ± 287	120 ± 289	121 ± 288
c-myc + CD4	226 ± 340	146 ± 335	149 ± 333	183 ± 333	169 ± 328
c-myc + CD44	636 ± 529	343 ± 417	394 ± 410	464 ± 430	483 ± 388
c-myc + CD45	97 ± 138	29 ± 60	30 ± 59	76 ± 125	32 ± 58
c-myc + CD45RA	155 ± 181	78 ± 113	103 ± 112	102 ± 106	87 ± 108
c-myc + CD45RO	91 ± 106	45 ± 79	53 ± 76	63 ± 80	49 ± 76
c-myc + CD52	60 ± 117	48 ± 121	48 ± 120	101 ± 168	48 ± 120
c-myc + CD54	524 ± 903	381 ± 903	390 ± 899	436 ± 888	395 ± 897
c-myc + CD56	187 ± 230	90 ± 127	134 ± 150	109 ± 121	94 ± 125
c-myc + CD58	132 ± 230	118 ± 236	116 ± 237	164 ± 245	117 ± 237
c-myc + CD62E	7 ± 14	6 ± 14	6 ± 14	6 ± 14	6 ± 14
c-myc + CD62P	36 ± 66	35 ± 67	36 ± 66	35 ± 67	37 ± 66
c-myc + CD68	342 ± 319	299 ± 313	319 ± 313	274 ± 322	349 ± 286
c-myc + CD7	55 ± 66	28 ± 54	31 ± 53	49 ± 69	33 ± 52
c-myc + CD8a	47 ± 62	34 ± 64	34 ± 64	40 ± 62	46 ± 62
c-myc + CK14	148 ± 185	155 ± 180	147 ± 186	145 ± 187	188 ± 180
c-myc + CLA	34 ± 28	20 ± 29	21 ± 27	44 ± 55	25 ± 26
c-myc + Collagen IV	1750 ± 1952	1409 ± 2035	1483 ± 1996	1792 ± 1921	1756 ± 1986
c-myc + FXIIIA	264 ± 165	137 ± 87	237 ± 221	132 ± 90	210 ± 154
c-myc + HLA-DR	900 ± 822	543 ± 848	613 ± 818	633 ± 806	686 ± 791
c-myc + IL-22R	5 ± 8	5 ± 8	5 ± 8	5 ± 8	5 ± 7
c-myc + IL-23R	57 ± 74	26 ± 26	32 ± 23	33 ± 23	38 ± 20
c-myc + Ki67	17 ± 39	19 ± 39	16 ± 39	16 ± 39	17 ± 39
c-myc + PI	603 ± 487	379 ± 450	428 ± 437	374 ± 448	498 ± 471
c-myc + Podoplanin	110 ± 157	49 ± 77	71 ± 96	62 ± 82	65 ± 87
c-myc + SNA1	1903 ± 1495	1264 ± 1276	1376 ± 1221	1543 ± 1117	1563 ± 1138
c-myc + STAT3	83 ± 111	39 ± 72	84 ± 124	41 ± 71	45 ± 70
c-myc + TIA1	58 ± 63	42 ± 62	51 ± 60	61 ± 68	43 ± 61
c-myc + Vimentin	837 ± 870	525 ± 881	595 ± 862	573 ± 860	740 ± 837

Tabelle 541: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	477 ± 750	402 ± 745	397 ± 750	530 ± 807	477 ± 766
Collagen IV + BCL2	95 ± 83	73 ± 82	73 ± 80	71 ± 82	87 ± 80
Collagen IV + CCR6	34 ± 47	20 ± 41	27 ± 39	37 ± 42	78 ± 149
Collagen IV + CD11a	867 ± 915	390 ± 568	485 ± 562	616 ± 557	528 ± 548
Collagen IV + CD11b	891 ± 686	778 ± 710	729 ± 748	1225 ± 873	1255 ± 1165
Collagen IV + CD120a	21 ± 26	10 ± 12	11 ± 12	31 ± 48	11 ± 12
Collagen IV + CD120b	217 ± 224	131 ± 120	148 ± 120	202 ± 214	217 ± 232
Collagen IV + CD138	17 ± 20	12 ± 19	20 ± 19	22 ± 27	15 ± 18
Collagen IV + CD15	85 ± 139	37 ± 41	32 ± 41	181 ± 248	54 ± 66
Collagen IV + CD1a	3 ± 4	3 ± 5	1 ± 3	1 ± 3	1 ± 3
Collagen IV + CD2	613 ± 547	413 ± 461	449 ± 447	538 ± 411	809 ± 1026
Collagen IV + CD207	18 ± 35	15 ± 36	20 ± 35	15 ± 36	23 ± 39
Collagen IV + CD24	189 ± 159	133 ± 86	204 ± 149	301 ± 276	234 ± 231
Collagen IV + CD28	478 ± 462	269 ± 389	303 ± 376	438 ± 390	374 ± 402
Collagen IV + CD29	2156 ± 962	1645 ± 1217	1938 ± 918	1988 ± 1111	2586 ± 2234
Collagen IV + CD3	924 ± 785	622 ± 628	719 ± 604	1139 ± 1024	1042 ± 1064
Collagen IV + CD31	383 ± 370	334 ± 403	357 ± 386	531 ± 485	395 ± 396
Collagen IV + CD4	1651 ± 1640	1066 ± 1090	1105 ± 1065	1451 ± 1093	1449 ± 1260
Collagen IV + CD44	3519 ± 2255	2606 ± 1096	3270 ± 1355	3676 ± 2857	3909 ± 3675
Collagen IV + CD45	703 ± 950	242 ± 285	339 ± 331	385 ± 347	365 ± 364
Collagen IV + CD45RA	533 ± 562	309 ± 432	341 ± 431	365 ± 412	430 ± 476
Collagen IV + CD45RO	337 ± 439	112 ± 190	136 ± 187	209 ± 210	141 ± 191
Collagen IV + CD52	477 ± 563	310 ± 579	353 ± 566	457 ± 552	504 ± 690
Collagen IV + CD54	2958 ± 2859	1857 ± 2057	1952 ± 1998	2305 ± 1830	2511 ± 2084
Collagen IV + CD56	1058 ± 667	1026 ± 552	1070 ± 549	1202 ± 767	1391 ± 1326
Collagen IV + CD58	342 ± 411	317 ± 424	295 ± 430	489 ± 446	304 ± 424
Collagen IV + CD62E	11 ± 19	6 ± 17	7 ± 17	12 ± 20	6 ± 17
Collagen IV + CD62P	34 ± 71	36 ± 70	36 ± 70	37 ± 70	34 ± 71
Collagen IV + CD68	639 ± 636	677 ± 617	725 ± 581	700 ± 612	708 ± 599
Collagen IV + CD7	438 ± 438	233 ± 247	380 ± 390	334 ± 220	317 ± 273
Collagen IV + CD8a	345 ± 275	277 ± 288	307 ± 288	352 ± 289	419 ± 397
Collagen IV + CK14	174 ± 306	192 ± 296	177 ± 304	176 ± 304	232 ± 304
Collagen IV + CLA	217 ± 153	135 ± 122	194 ± 153	207 ± 111	281 ± 334
Collagen IV + c-myc	1750 ± 1952	1409 ± 2035	1483 ± 1996	1792 ± 1921	1756 ± 1986
Collagen IV + FXIIIA	327 ± 342	378 ± 320	351 ± 332	469 ± 445	499 ± 521
Collagen IV + HLA-DR	4185 ± 1830	3122 ± 1905	3741 ± 1705	4629 ± 3906	4453 ± 3398
Collagen IV + IL-22R	2 ± 3	2 ± 3	1 ± 3	3 ± 4	3 ± 4
Collagen IV + IL-23R	7 ± 9	7 ± 10	7 ± 10	16 ± 24	9 ± 10
Collagen IV + Ki67	13 ± 25	17 ± 25	13 ± 25	15 ± 25	19 ± 28
Collagen IV + PI	2317 ± 1418	1802 ± 1299	1968 ± 1197	2463 ± 1855	2841 ± 2744
Collagen IV + Podoplanin	214 ± 327	134 ± 120	120 ± 115	183 ± 188	116 ± 118
Collagen IV + SNA1	5078 ± 2838	3214 ± 1640	4110 ± 1324	4967 ± 2830	4042 ± 1776
Collagen IV + STAT3	12 ± 13	12 ± 14	17 ± 23	9 ± 14	9 ± 14
Collagen IV + TIA1	96 ± 137	78 ± 144	81 ± 142	194 ± 282	107 ± 145
Collagen IV + Vimentin	1887 ± 1523	1625 ± 1467	1792 ± 1443	1837 ± 1514	2357 ± 2711

Tabelle 542: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	179 ± 322	66 ± 95	58 ± 98	67 ± 98	68 ± 98
FXIIIA + BCL2	192 ± 151	125 ± 135	123 ± 136	137 ± 129	161 ± 118
FXIIIA + CCR6	253 ± 285	126 ± 95	177 ± 81	217 ± 113	176 ± 73
FXIIIA + CD11a	266 ± 230	155 ± 88	140 ± 103	341 ± 423	177 ± 78
FXIIIA + CD11b	2297 ± 2011	2260 ± 2049	2211 ± 2079	2833 ± 2197	3381 ± 2068
FXIIIA + CD120a	6 ± 10	6 ± 10	10 ± 10	13 ± 18	9 ± 10
FXIIIA + CD120b	17 ± 14	15 ± 12	18 ± 11	24 ± 15	22 ± 14
FXIIIA + CD138	84 ± 126	46 ± 103	59 ± 102	50 ± 101	55 ± 99
FXIIIA + CD15	55 ± 86	22 ± 29	19 ± 27	120 ± 229	22 ± 27
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	337 ± 265	265 ± 187	228 ± 216	399 ± 334	352 ± 312
FXIIIA + CD207	1 ± 1	1 ± 1	1 ± 1	1 ± 1	8 ± 17
FXIIIA + CD24	25 ± 20	17 ± 21	32 ± 27	89 ± 146	31 ± 24
FXIIIA + CD28	121 ± 83	81 ± 91	81 ± 91	176 ± 146	115 ± 91
FXIIIA + CD29	407 ± 327	312 ± 312	331 ± 307	340 ± 319	424 ± 328
FXIIIA + CD3	272 ± 212	212 ± 107	190 ± 119	445 ± 425	300 ± 221
FXIIIA + CD31	14 ± 14	17 ± 13	13 ± 14	37 ± 53	14 ± 13
FXIIIA + CD4	834 ± 869	700 ± 732	614 ± 766	928 ± 777	835 ± 749
FXIIIA + CD44	2498 ± 1753	1932 ± 1135	2340 ± 1332	2281 ± 1648	2756 ± 1795
FXIIIA + CD45	292 ± 350	144 ± 105	135 ± 111	301 ± 396	164 ± 103
FXIIIA + CD45RA	318 ± 211	221 ± 139	239 ± 139	309 ± 115	268 ± 117
FXIIIA + CD45RO	209 ± 211	126 ± 107	116 ± 105	262 ± 282	133 ± 96
FXIIIA + CD52	187 ± 176	131 ± 182	124 ± 186	236 ± 247	158 ± 183
FXIIIA + CD54	817 ± 875	559 ± 615	568 ± 615	782 ± 707	755 ± 597
FXIIIA + CD56	598 ± 445	476 ± 266	455 ± 258	468 ± 385	437 ± 322
FXIIIA + CD58	45 ± 38	42 ± 42	35 ± 43	71 ± 68	35 ± 43
FXIIIA + CD62E	1 ± 2	1 ± 2	2 ± 3	3 ± 7	6 ± 14
FXIIIA + CD62P	14 ± 20	14 ± 19	13 ± 20	15 ± 19	20 ± 22
FXIIIA + CD68	1542 ± 1124	1088 ± 989	1475 ± 910	1421 ± 793	1438 ± 844
FXIIIA + CD7	114 ± 108	59 ± 54	78 ± 42	171 ± 179	99 ± 90
FXIIIA + CD8a	93 ± 59	88 ± 71	62 ± 50	107 ± 76	92 ± 59
FXIIIA + CK14	22 ± 35	21 ± 36	21 ± 36	21 ± 36	21 ± 36
FXIIIA + CLA	93 ± 43	69 ± 44	72 ± 40	116 ± 55	118 ± 64
FXIIIA + c-myc	264 ± 165	137 ± 87	237 ± 221	132 ± 90	210 ± 154
FXIIIA + Collagen IV	327 ± 342	378 ± 320	351 ± 332	469 ± 445	499 ± 521
FXIIIA + HLA-DR	4970 ± 3059	4216 ± 3160	5087 ± 3151	4778 ± 3655	5512 ± 3266
FXIIIA + IL-22R	2 ± 2	2 ± 2	2 ± 2	3 ± 3	2 ± 2
FXIIIA + IL-23R	101 ± 68	72 ± 73	94 ± 74	118 ± 70	119 ± 66
FXIIIA + Ki67	17 ± 38	2 ± 2	2 ± 2	5 ± 7	24 ± 46
FXIIIA + PI	1988 ± 1124	1637 ± 1128	1847 ± 1021	1912 ± 1254	2159 ± 1135
FXIIIA + Podoplanin	224 ± 240	173 ± 117	150 ± 132	146 ± 105	207 ± 242
FXIIIA + SNA1	2107 ± 1322	1771 ± 1212	2060 ± 1267	1612 ± 1313	2110 ± 1399
FXIIIA + STAT3	118 ± 144	80 ± 129	102 ± 142	71 ± 131	85 ± 130
FXIIIA + TIA1	92 ± 52	65 ± 59	85 ± 43	140 ± 158	85 ± 41
FXIIIA + Vimentin	2855 ± 1198	2488 ± 1121	3041 ± 1455	2800 ± 1385	3103 ± 1384

Tabelle 543: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	303 ± 339	200 ± 166	187 ± 177	290 ± 334	227 ± 212
HLA-DR + BCL2	651 ± 426	357 ± 369	396 ± 346	428 ± 343	478 ± 310
HLA-DR + CCR6	720 ± 617	479 ± 527	579 ± 443	801 ± 475	704 ± 594
HLA-DR + CD11a	7087 ± 4424	3949 ± 4101	4986 ± 3872	6277 ± 3674	4583 ± 3565
HLA-DR + CD11b	8106 ± 3590	7133 ± 4808	7090 ± 4855	9885 ± 5645	9711 ± 2912
HLA-DR + CD120a	56 ± 45	37 ± 44	48 ± 38	205 ± 415	39 ± 42
HLA-DR + CD120b	1331 ± 825	815 ± 653	983 ± 590	1622 ± 1494	1144 ± 589
HLA-DR + CD138	124 ± 138	87 ± 133	106 ± 122	105 ± 128	98 ± 126
HLA-DR + CD15	326 ± 248	205 ± 143	188 ± 146	617 ± 710	249 ± 184
HLA-DR + CD1a	43 ± 47	33 ± 41	27 ± 38	27 ± 38	24 ± 40
HLA-DR + CD2	5201 ± 3263	3730 ± 3871	4382 ± 3604	4963 ± 3158	4627 ± 3588
HLA-DR + CD207	197 ± 239	165 ± 254	200 ± 250	182 ± 248	218 ± 263
HLA-DR + CD24	1340 ± 588	930 ± 636	1335 ± 706	1966 ± 1888	1324 ± 537
HLA-DR + CD28	3453 ± 2503	2209 ± 2769	2517 ± 2610	3726 ± 2619	2546 ± 2542
HLA-DR + CD29	3062 ± 1240	2104 ± 1570	2620 ± 1114	2801 ± 1729	3112 ± 1882
HLA-DR + CD3	6564 ± 3779	4575 ± 4355	5571 ± 3902	7827 ± 5028	5759 ± 3683
HLA-DR + CD31	224 ± 147	189 ± 171	206 ± 158	333 ± 341	222 ± 175
HLA-DR + CD4	8219 ± 4689	5793 ± 4751	6669 ± 4312	8099 ± 3803	7115 ± 3789
HLA-DR + CD44	20483 ± 4281	15272 ± 6141	18953 ± 6093	22515 ± 13010	19197 ± 4398
HLA-DR + CD45	5845 ± 4265	2942 ± 2969	3934 ± 3024	4792 ± 3355	3423 ± 2617
HLA-DR + CD45RA	3120 ± 1702	1953 ± 1580	2219 ± 1403	2694 ± 1186	2403 ± 1247
HLA-DR + CD45RO	2908 ± 2537	1383 ± 2023	1750 ± 1971	2598 ± 2228	1485 ± 1965
HLA-DR + CD52	3596 ± 3407	2352 ± 3644	2812 ± 3535	3590 ± 3407	2874 ± 3525
HLA-DR + CD54	8546 ± 7549	5797 ± 6206	6185 ± 5896	7770 ± 5538	7662 ± 5342
HLA-DR + CD56	1243 ± 583	924 ± 381	982 ± 407	1186 ± 916	1014 ± 370
HLA-DR + CD58	734 ± 660	588 ± 707	578 ± 714	1110 ± 1033	606 ± 697
HLA-DR + CD62E	13 ± 22	6 ± 13	10 ± 16	10 ± 17	6 ± 13
HLA-DR + CD62P	53 ± 52	56 ± 50	56 ± 49	60 ± 48	55 ± 50
HLA-DR + CD68	2977 ± 2175	2371 ± 2393	3189 ± 2367	3065 ± 1937	2787 ± 2087
HLA-DR + CD7	3163 ± 2289	1981 ± 2300	2953 ± 2592	3067 ± 2010	2269 ± 2098
HLA-DR + CD8a	2487 ± 1317	1952 ± 1678	2268 ± 1513	2705 ± 1661	2208 ± 1481
HLA-DR + CK14	158 ± 232	157 ± 232	156 ± 233	160 ± 230	162 ± 229
HLA-DR + CLA	1869 ± 539	1311 ± 962	1773 ± 1023	1869 ± 630	1811 ± 663
HLA-DR + c-myc	900 ± 822	543 ± 848	613 ± 818	633 ± 806	686 ± 791
HLA-DR + Collagen IV	4185 ± 1830	3122 ± 1905	3741 ± 1705	4629 ± 3906	4453 ± 3398
HLA-DR + FXIIIA	4970 ± 3059	4216 ± 3160	5087 ± 3151	4778 ± 3655	5512 ± 3266
HLA-DR + IL-22R	6 ± 10	6 ± 10	6 ± 10	14 ± 21	6 ± 10
HLA-DR + IL-23R	128 ± 96	77 ± 60	98 ± 57	201 ± 194	122 ± 44
HLA-DR + Ki67	72 ± 86	22 ± 43	23 ± 43	27 ± 41	81 ± 109
HLA-DR + PI	11556 ± 3899	8470 ± 5623	9731 ± 4695	11453 ± 7098	10533 ± 4322
HLA-DR + Podoplanin	639 ± 795	420 ± 295	310 ± 176	462 ± 334	467 ± 427
HLA-DR + SNA1	7784 ± 4668	4584 ± 1847	5543 ± 1713	5252 ± 2447	5310 ± 1683
HLA-DR + STAT3	126 ± 149	90 ± 150	110 ± 155	85 ± 153	96 ± 150
HLA-DR + TIA1	787 ± 634	577 ± 745	637 ± 697	889 ± 660	685 ± 676
HLA-DR + Vimentin	10074 ± 4190	7381 ± 3543	8821 ± 4117	9422 ± 5074	9186 ± 3698

Tabelle 544: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + BCL2	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
IL-22R + CCR6	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
IL-22R + CD11a	3 ± 5	3 ± 5	3 ± 5	11 ± 21	3 ± 5
IL-22R + CD11b	4 ± 9	4 ± 8	4 ± 9	5 ± 9	4 ± 8
IL-22R + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
IL-22R + CD120b	1 ± 2	1 ± 2	1 ± 2	5 ± 10	1 ± 2
IL-22R + CD138	2 ± 6	2 ± 6	3 ± 6	2 ± 6	2 ± 6
IL-22R + CD15	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
IL-22R + CD1a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
IL-22R + CD2	3 ± 5	3 ± 5	3 ± 5	7 ± 11	3 ± 5
IL-22R + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD24	0 ± 1	0 ± 1	0 ± 1	1 ± 3	0 ± 1
IL-22R + CD28	2 ± 3	2 ± 3	2 ± 3	8 ± 17	2 ± 3
IL-22R + CD29	1 ± 2	1 ± 2	1 ± 2	2 ± 3	1 ± 2
IL-22R + CD3	3 ± 5	3 ± 5	3 ± 5	13 ± 24	3 ± 5
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	3 ± 6	3 ± 6	3 ± 6	11 ± 19	4 ± 6
IL-22R + CD44	6 ± 10	6 ± 10	6 ± 10	18 ± 29	6 ± 10
IL-22R + CD45	2 ± 3	2 ± 3	2 ± 3	14 ± 30	3 ± 3
IL-22R + CD45RA	2 ± 4	2 ± 4	2 ± 4	5 ± 7	2 ± 4
IL-22R + CD45RO	1 ± 3	1 ± 3	1 ± 3	7 ± 14	1 ± 3
IL-22R + CD52	3 ± 5	3 ± 5	3 ± 5	12 ± 24	3 ± 4
IL-22R + CD54	4 ± 9	4 ± 9	4 ± 9	14 ± 25	5 ± 9
IL-22R + CD56	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
IL-22R + CD58	2 ± 4	2 ± 4	2 ± 4	8 ± 15	2 ± 4
IL-22R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	2 ± 4	2 ± 4	2 ± 4	3 ± 5	2 ± 4
IL-22R + CD7	2 ± 3	2 ± 3	2 ± 3	8 ± 14	2 ± 3
IL-22R + CD8a	2 ± 3	2 ± 3	2 ± 3	5 ± 8	2 ± 3
IL-22R + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
IL-22R + CLA	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
IL-22R + c-myc	5 ± 8	5 ± 8	5 ± 8	5 ± 8	5 ± 7
IL-22R + Collagen IV	2 ± 3	2 ± 3	1 ± 3	3 ± 4	3 ± 4
IL-22R + FXIIIA	2 ± 2	2 ± 2	2 ± 2	3 ± 3	2 ± 2
IL-22R + HLA-DR	6 ± 10	6 ± 10	6 ± 10	14 ± 21	6 ± 10
IL-22R + IL-23R	2 ± 7	2 ± 7	3 ± 7	4 ± 7	3 ± 7
IL-22R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + PI	5 ± 10	6 ± 10	5 ± 10	7 ± 10	5 ± 10
IL-22R + Podoplanin	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
IL-22R + SNA1	2 ± 2	2 ± 2	1 ± 3	2 ± 3	2 ± 3
IL-22R + STAT3	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
IL-22R + TIA1	1 ± 2	1 ± 2	1 ± 2	3 ± 5	1 ± 2
IL-22R + Vimentin	6 ± 10	6 ± 10	6 ± 10	12 ± 16	6 ± 10

Tabelle 545: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	5 ± 7	4 ± 8	4 ± 7	4 ± 8	4 ± 8
IL-23R + BCL2	34 ± 29	21 ± 22	21 ± 22	35 ± 29	31 ± 20
IL-23R + CCR6	8 ± 9	8 ± 9	9 ± 9	15 ± 15	12 ± 8
IL-23R + CD11a	11 ± 17	3 ± 6	3 ± 6	71 ± 180	3 ± 6
IL-23R + CD11b	100 ± 62	73 ± 71	84 ± 64	141 ± 85	117 ± 64
IL-23R + CD120a	0 ± 0	0 ± 0	1 ± 3	45 ± 118	0 ± 0
IL-23R + CD120b	1 ± 3	0 ± 1	1 ± 1	14 ± 35	0 ± 1
IL-23R + CD138	12 ± 20	12 ± 20	14 ± 19	13 ± 19	15 ± 19
IL-23R + CD15	1 ± 1	0 ± 1	0 ± 1	21 ± 51	0 ± 1
IL-23R + CD1a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-23R + CD2	7 ± 8	2 ± 4	2 ± 4	37 ± 88	4 ± 4
IL-23R + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD24	0 ± 0	0 ± 0	0 ± 1	19 ± 48	0 ± 1
IL-23R + CD28	8 ± 7	3 ± 4	3 ± 3	48 ± 117	4 ± 3
IL-23R + CD29	44 ± 47	36 ± 51	37 ± 50	45 ± 45	61 ± 53
IL-23R + CD3	8 ± 11	2 ± 4	2 ± 4	66 ± 169	2 ± 4
IL-23R + CD31	6 ± 8	6 ± 8	6 ± 8	6 ± 8	6 ± 8
IL-23R + CD4	24 ± 14	14 ± 12	20 ± 14	99 ± 208	21 ± 15
IL-23R + CD44	67 ± 72	32 ± 30	35 ± 28	141 ± 214	77 ± 72
IL-23R + CD45	13 ± 15	4 ± 4	4 ± 4	101 ± 255	5 ± 3
IL-23R + CD45RA	8 ± 9	8 ± 9	9 ± 8	18 ± 22	15 ± 17
IL-23R + CD45RO	17 ± 13	9 ± 8	10 ± 7	98 ± 228	30 ± 50
IL-23R + CD52	5 ± 7	3 ± 6	3 ± 6	39 ± 94	3 ± 6
IL-23R + CD54	22 ± 14	16 ± 17	16 ± 16	114 ± 248	21 ± 15
IL-23R + CD56	15 ± 14	10 ± 10	11 ± 10	19 ± 19	17 ± 20
IL-23R + CD58	15 ± 24	13 ± 24	13 ± 24	54 ± 106	13 ± 24
IL-23R + CD62E	2 ± 4	2 ± 4	2 ± 4	3 ± 4	2 ± 4
IL-23R + CD62P	6 ± 8	6 ± 8	6 ± 8	6 ± 8	7 ± 8
IL-23R + CD68	59 ± 35	45 ± 45	46 ± 44	107 ± 105	69 ± 36
IL-23R + CD7	5 ± 6	2 ± 3	2 ± 3	42 ± 91	2 ± 3
IL-23R + CD8a	1 ± 1	1 ± 1	1 ± 1	7 ± 16	1 ± 1
IL-23R + CK14	13 ± 31	13 ± 31	13 ± 31	13 ± 31	13 ± 31
IL-23R + CLA	7 ± 6	4 ± 4	4 ± 4	16 ± 23	14 ± 24
IL-23R + c-myc	57 ± 74	26 ± 26	32 ± 23	33 ± 23	38 ± 20
IL-23R + Collagen IV	7 ± 9	7 ± 10	7 ± 10	16 ± 24	9 ± 10
IL-23R + FXIIIA	101 ± 68	72 ± 73	94 ± 74	118 ± 70	119 ± 66
IL-23R + HLA-DR	128 ± 96	77 ± 60	98 ± 57	201 ± 194	122 ± 44
IL-23R + IL-22R	2 ± 7	2 ± 7	3 ± 7	4 ± 7	3 ± 7
IL-23R + Ki67	2 ± 5	0 ± 0	0 ± 0	1 ± 2	0 ± 0
IL-23R + PI	100 ± 86	58 ± 63	64 ± 59	99 ± 77	104 ± 106
IL-23R + Podoplanin	6 ± 7	5 ± 7	6 ± 7	13 ± 18	13 ± 18
IL-23R + SNA1	75 ± 52	47 ± 40	66 ± 47	80 ± 37	83 ± 61
IL-23R + STAT3	10 ± 11	8 ± 11	10 ± 11	8 ± 11	11 ± 12
IL-23R + TIA1	4 ± 6	4 ± 6	4 ± 6	22 ± 46	4 ± 6
IL-23R + Vimentin	131 ± 117	74 ± 73	80 ± 68	176 ± 150	143 ± 103

Tabelle 546: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	2 ± 4	0 ± 1	0 ± 1	1 ± 1	0 ± 1
Ki67 + BCL2	8 ± 13	2 ± 3	1 ± 1	1 ± 1	11 ± 20
Ki67 + CCR6	2 ± 6	0 ± 1	0 ± 1	5 ± 12	1 ± 2
Ki67 + CD11a	34 ± 57	5 ± 9	6 ± 8	7 ± 8	21 ± 26
Ki67 + CD11b	11 ± 9	6 ± 9	6 ± 9	8 ± 9	49 ± 76
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Ki67 + CD138	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 1
Ki67 + CD15	0 ± 0	1 ± 3	0 ± 0	1 ± 3	0 ± 1
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD2	16 ± 20	3 ± 5	4 ± 5	7 ± 6	22 ± 39
Ki67 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + CD28	8 ± 17	0 ± 0	0 ± 0	1 ± 2	3 ± 6
Ki67 + CD29	7 ± 10	5 ± 10	5 ± 10	5 ± 10	16 ± 28
Ki67 + CD3	17 ± 30	2 ± 4	2 ± 4	4 ± 4	18 ± 26
Ki67 + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	24 ± 34	3 ± 8	3 ± 8	6 ± 8	28 ± 41
Ki67 + CD44	48 ± 68	8 ± 6	7 ± 7	8 ± 6	64 ± 110
Ki67 + CD45	27 ± 46	1 ± 1	1 ± 1	2 ± 2	15 ± 28
Ki67 + CD45RA	8 ± 13	7 ± 13	7 ± 13	7 ± 13	12 ± 16
Ki67 + CD45RO	18 ± 30	1 ± 2	1 ± 2	5 ± 7	4 ± 7
Ki67 + CD52	11 ± 18	1 ± 2	1 ± 2	3 ± 4	5 ± 12
Ki67 + CD54	22 ± 27	10 ± 22	10 ± 22	11 ± 21	49 ± 65
Ki67 + CD56	13 ± 18	2 ± 3	2 ± 3	2 ± 3	2 ± 3
Ki67 + CD58	7 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 1
Ki67 + CD62P	0 ± 1	0 ± 1	0 ± 1	1 ± 3	1 ± 1
Ki67 + CD68	17 ± 24	12 ± 20	9 ± 20	12 ± 19	10 ± 20
Ki67 + CD7	6 ± 4	3 ± 4	3 ± 4	3 ± 4	8 ± 9
Ki67 + CD8a	2 ± 2	1 ± 1	1 ± 1	1 ± 1	6 ± 15
Ki67 + CK14	1 ± 2	2 ± 3	1 ± 2	1 ± 2	1 ± 2
Ki67 + CLA	5 ± 7	2 ± 4	2 ± 4	2 ± 4	18 ± 38
Ki67 + c-myc	17 ± 39	19 ± 39	16 ± 39	16 ± 39	17 ± 39
Ki67 + Collagen IV	13 ± 25	17 ± 25	13 ± 25	15 ± 25	19 ± 28
Ki67 + FXIIIA	17 ± 38	2 ± 2	2 ± 2	5 ± 7	24 ± 46
Ki67 + HLA-DR	72 ± 86	22 ± 43	23 ± 43	27 ± 41	81 ± 109
Ki67 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + IL-23R	2 ± 5	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + PI	98 ± 105	38 ± 69	38 ± 69	44 ± 67	117 ± 138
Ki67 + Podoplanin	2 ± 6	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + SNA1	17 ± 21	13 ± 21	8 ± 19	12 ± 20	10 ± 19
Ki67 + STAT3	1 ± 2	0 ± 1	1 ± 2	0 ± 1	1 ± 1
Ki67 + TIA1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	2 ± 2
Ki67 + Vimentin	67 ± 67	30 ± 43	26 ± 46	31 ± 43	64 ± 69

Tabelle 547: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	260 ± 348	192 ± 303	171 ± 311	275 ± 388	226 ± 326
PI + BCL2	900 ± 615	531 ± 556	570 ± 532	575 ± 528	685 ± 483
PI + CCR6	518 ± 520	355 ± 480	391 ± 454	482 ± 416	517 ± 528
PI + CD11a	6603 ± 5245	4018 ± 5273	4760 ± 5024	5794 ± 4657	4565 ± 4893
PI + CD11b	4291 ± 2640	3703 ± 3100	3539 ± 3272	4820 ± 3566	4863 ± 2561
PI + CD120a	13 ± 14	9 ± 13	11 ± 13	20 ± 25	9 ± 13
PI + CD120b	815 ± 733	508 ± 521	539 ± 512	707 ± 672	737 ± 541
PI + CD138	58 ± 73	33 ± 55	43 ± 53	44 ± 55	40 ± 53
PI + CD15	202 ± 241	96 ± 67	83 ± 71	149 ± 88	135 ± 131
PI + CD1a	38 ± 43	30 ± 37	23 ± 36	23 ± 36	22 ± 37
PI + CD2	5884 ± 5029	4218 ± 5421	4790 ± 5154	5355 ± 4782	5151 ± 5100
PI + CD207	177 ± 252	156 ± 261	175 ± 256	166 ± 257	191 ± 260
PI + CD24	736 ± 480	504 ± 323	597 ± 296	842 ± 842	798 ± 450
PI + CD28	3639 ± 3444	2530 ± 3756	2741 ± 3637	3441 ± 3431	2841 ± 3571
PI + CD29	2035 ± 954	1432 ± 981	1600 ± 787	1803 ± 1066	2259 ± 1700
PI + CD3	6897 ± 5660	4940 ± 6088	5657 ± 5762	7141 ± 5822	6098 ± 5537
PI + CD31	246 ± 201	214 ± 225	228 ± 213	337 ± 340	242 ± 217
PI + CD4	7468 ± 6229	5222 ± 6158	5755 ± 5902	6758 ± 5430	6240 ± 5575
PI + CD44	10405 ± 4998	7224 ± 4108	8522 ± 3355	10186 ± 5318	9431 ± 3883
PI + CD45	5441 ± 4527	2979 ± 3707	3698 ± 3576	4033 ± 3271	3378 ± 3453
PI + CD45RA	2332 ± 1773	1524 ± 1628	1671 ± 1567	2064 ± 1398	1806 ± 1493
PI + CD45RO	3210 ± 3235	1693 ± 2924	2010 ± 2834	2472 ± 2728	1809 ± 2864
PI + CD52	3689 ± 4110	2644 ± 4449	2959 ± 4322	3181 ± 4199	3075 ± 4302
PI + CD54	6106 ± 6011	3909 ± 4472	3962 ± 4429	4849 ± 3973	5184 ± 3967
PI + CD56	554 ± 402	399 ± 145	407 ± 162	519 ± 271	536 ± 336
PI + CD58	567 ± 683	491 ± 717	468 ± 730	579 ± 680	490 ± 717
PI + CD62E	19 ± 30	12 ± 30	22 ± 36	20 ± 29	14 ± 29
PI + CD62P	31 ± 51	31 ± 51	36 ± 49	35 ± 50	30 ± 51
PI + CD68	1860 ± 1740	1541 ± 1698	1773 ± 1622	1649 ± 1620	1614 ± 1635
PI + CD7	3324 ± 2999	2202 ± 2990	2910 ± 2973	2991 ± 2635	2478 ± 2822
PI + CD8a	2647 ± 2425	2103 ± 2673	2373 ± 2572	2811 ± 2489	2373 ± 2526
PI + CK14	107 ± 185	114 ± 181	107 ± 185	107 ± 185	111 ± 182
PI + CLA	1513 ± 779	1064 ± 941	1356 ± 910	1411 ± 723	1543 ± 799
PI + c-myc	603 ± 487	379 ± 450	428 ± 437	374 ± 448	498 ± 471
PI + Collagen IV	2317 ± 1418	1802 ± 1299	1968 ± 1197	2463 ± 1855	2841 ± 2744
PI + FXIIIA	1988 ± 1124	1637 ± 1128	1847 ± 1021	1912 ± 1254	2159 ± 1135
PI + HLA-DR	11556 ± 3899	8470 ± 5623	9731 ± 4695	11453 ± 7098	10533 ± 4322
PI + IL-22R	5 ± 10	6 ± 10	5 ± 10	7 ± 10	5 ± 10
PI + IL-23R	100 ± 86	58 ± 63	64 ± 59	99 ± 77	104 ± 106
PI + Ki67	98 ± 105	38 ± 69	38 ± 69	44 ± 67	117 ± 138
PI + Podoplanin	353 ± 563	203 ± 182	132 ± 128	189 ± 166	202 ± 198
PI + SNA1	2869 ± 2213	1520 ± 837	1688 ± 712	1992 ± 999	1830 ± 710
PI + STAT3	45 ± 38	25 ± 25	27 ± 26	21 ± 26	22 ± 26
PI + TIA1	786 ± 905	612 ± 984	653 ± 958	769 ± 907	698 ± 939
PI + Vimentin	6653 ± 3214	4915 ± 3424	5912 ± 3219	6001 ± 3282	6179 ± 3369

Tabelle 548: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	110 ± 167	54 ± 112	57 ± 110	53 ± 112	53 ± 112
Podoplanin + BCL2	48 ± 97	14 ± 11	9 ± 8	35 ± 65	17 ± 18
Podoplanin + CCR6	198 ± 261	91 ± 109	130 ± 118	133 ± 96	113 ± 94
Podoplanin + CD11a	338 ± 638	83 ± 163	78 ± 165	325 ± 633	104 ± 164
Podoplanin + CD11b	194 ± 177	156 ± 136	122 ± 146	140 ± 132	208 ± 190
Podoplanin + CD120a	1 ± 1	1 ± 1	1 ± 1	8 ± 20	0 ± 0
Podoplanin + CD120b	46 ± 82	16 ± 25	14 ± 26	27 ± 32	26 ± 34
Podoplanin + CD138	79 ± 124	46 ± 107	57 ± 106	47 ± 107	50 ± 105
Podoplanin + CD15	12 ± 14	18 ± 27	8 ± 8	14 ± 15	10 ± 9
Podoplanin + CD1a	7 ± 13	2 ± 6	2 ± 6	2 ± 6	3 ± 6
Podoplanin + CD2	224 ± 399	77 ± 136	67 ± 139	235 ± 431	76 ± 135
Podoplanin + CD207	19 ± 44	17 ± 44	17 ± 44	17 ± 44	17 ± 44
Podoplanin + CD24	36 ± 70	11 ± 6	10 ± 7	18 ± 12	24 ± 37
Podoplanin + CD28	215 ± 365	72 ± 164	71 ± 164	203 ± 337	78 ± 161
Podoplanin + CD29	212 ± 205	129 ± 92	119 ± 97	125 ± 93	173 ± 157
Podoplanin + CD3	310 ± 535	105 ± 208	97 ± 212	416 ± 795	134 ± 211
Podoplanin + CD31	10 ± 13	5 ± 5	6 ± 5	24 ± 46	6 ± 5
Podoplanin + CD4	367 ± 647	135 ± 218	112 ± 222	407 ± 735	144 ± 216
Podoplanin + CD44	1024 ± 1156	1080 ± 1016	516 ± 252	766 ± 508	949 ± 995
Podoplanin + CD45	300 ± 595	64 ± 111	58 ± 113	277 ± 558	83 ± 116
Podoplanin + CD45RA	277 ± 367	127 ± 151	147 ± 158	196 ± 202	159 ± 164
Podoplanin + CD45RO	193 ± 281	89 ± 125	85 ± 127	170 ± 232	90 ± 125
Podoplanin + CD52	170 ± 268	74 ± 176	73 ± 176	186 ± 310	77 ± 175
Podoplanin + CD54	504 ± 767	201 ± 197	210 ± 189	491 ± 719	315 ± 297
Podoplanin + CD56	240 ± 239	184 ± 143	154 ± 156	140 ± 149	182 ± 179
Podoplanin + CD58	57 ± 64	45 ± 64	43 ± 65	90 ± 124	47 ± 64
Podoplanin + CD62E	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	11 ± 21	12 ± 21	11 ± 21	11 ± 21	14 ± 21
Podoplanin + CD68	226 ± 218	194 ± 108	139 ± 90	169 ± 95	229 ± 229
Podoplanin + CD7	164 ± 301	43 ± 79	42 ± 79	193 ± 373	54 ± 77
Podoplanin + CD8a	67 ± 107	30 ± 55	26 ± 56	47 ± 69	40 ± 62
Podoplanin + CK14	14 ± 29	15 ± 28	14 ± 29	14 ± 29	14 ± 29
Podoplanin + CLA	57 ± 77	28 ± 21	24 ± 23	56 ± 61	45 ± 35
Podoplanin + c-myc	110 ± 157	49 ± 77	71 ± 96	62 ± 82	65 ± 87
Podoplanin + Collagen IV	214 ± 327	134 ± 120	120 ± 115	183 ± 188	116 ± 118
Podoplanin + FXIIIA	224 ± 240	173 ± 117	150 ± 132	146 ± 105	207 ± 242
Podoplanin + HLA-DR	639 ± 795	420 ± 295	310 ± 176	462 ± 334	467 ± 427
Podoplanin + IL-22R	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Podoplanin + IL-23R	6 ± 7	5 ± 7	6 ± 7	13 ± 18	13 ± 18
Podoplanin + Ki67	2 ± 6	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Podoplanin + PI	353 ± 563	203 ± 182	132 ± 128	189 ± 166	202 ± 198
Podoplanin + SNA1	413 ± 687	245 ± 181	168 ± 113	182 ± 97	227 ± 281
Podoplanin + STAT3	98 ± 135	74 ± 128	88 ± 133	66 ± 131	77 ± 128
Podoplanin + TIA1	85 ± 90	53 ± 73	63 ± 69	61 ± 69	55 ± 72
Podoplanin + Vimentin	595 ± 649	700 ± 641	343 ± 141	529 ± 467	586 ± 638

Tabelle 549: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	327 ± 356	225 ± 248	225 ± 259	321 ± 381	240 ± 267
SNA1 + BCL2	220 ± 175	109 ± 97	117 ± 92	122 ± 97	121 ± 91
SNA1 + CCR6	272 ± 301	132 ± 110	184 ± 72	205 ± 73	180 ± 87
SNA1 + CD11a	2175 ± 2750	562 ± 538	689 ± 517	938 ± 773	651 ± 487
SNA1 + CD11b	2783 ± 1017	2000 ± 1194	1999 ± 1174	2430 ± 894	2728 ± 1007
SNA1 + CD120a	37 ± 43	17 ± 26	23 ± 24	47 ± 72	18 ± 25
SNA1 + CD120b	627 ± 466	331 ± 242	424 ± 221	464 ± 349	491 ± 295
SNA1 + CD138	89 ± 114	52 ± 88	71 ± 83	61 ± 86	59 ± 85
SNA1 + CD15	260 ± 342	111 ± 91	129 ± 92	403 ± 499	139 ± 109
SNA1 + CD1a	22 ± 33	10 ± 12	8 ± 11	7 ± 12	7 ± 12
SNA1 + CD2	1407 ± 1554	595 ± 525	668 ± 510	819 ± 607	728 ± 537
SNA1 + CD207	44 ± 49	22 ± 35	30 ± 35	21 ± 35	22 ± 35
SNA1 + CD24	601 ± 368	358 ± 268	530 ± 295	658 ± 436	546 ± 326
SNA1 + CD28	1059 ± 1196	341 ± 375	419 ± 355	572 ± 378	416 ± 323
SNA1 + CD29	2359 ± 1034	1462 ± 839	1828 ± 476	1808 ± 803	1928 ± 535
SNA1 + CD3	1764 ± 1936	703 ± 501	836 ± 453	1239 ± 810	929 ± 468
SNA1 + CD31	342 ± 214	291 ± 256	316 ± 233	487 ± 422	340 ± 252
SNA1 + CD4	2762 ± 3259	1176 ± 835	1283 ± 757	1582 ± 786	1404 ± 718
SNA1 + CD44	6322 ± 4939	3912 ± 1678	4310 ± 1506	3928 ± 1415	4139 ± 1380
SNA1 + CD45	2118 ± 3027	492 ± 443	648 ± 458	779 ± 677	540 ± 405
SNA1 + CD45RA	1105 ± 1124	440 ± 253	472 ± 218	511 ± 185	571 ± 197
SNA1 + CD45RO	1132 ± 1556	278 ± 314	347 ± 311	570 ± 653	285 ± 306
SNA1 + CD52	969 ± 897	403 ± 551	478 ± 540	571 ± 525	449 ± 533
SNA1 + CD54	3695 ± 4758	1597 ± 1469	1711 ± 1397	2031 ± 1286	1952 ± 1266
SNA1 + CD56	735 ± 488	503 ± 211	597 ± 246	549 ± 265	607 ± 284
SNA1 + CD58	368 ± 283	238 ± 263	238 ± 264	311 ± 233	259 ± 251
SNA1 + CD62E	17 ± 26	11 ± 25	18 ± 28	13 ± 25	14 ± 25
SNA1 + CD62P	55 ± 55	57 ± 53	61 ± 50	60 ± 51	58 ± 52
SNA1 + CD68	1534 ± 904	1181 ± 709	1400 ± 651	1344 ± 598	1405 ± 614
SNA1 + CD7	1020 ± 1293	322 ± 325	509 ± 424	486 ± 315	371 ± 288
SNA1 + CD8a	573 ± 450	294 ± 150	307 ± 141	365 ± 136	327 ± 132
SNA1 + CK14	265 ± 409	283 ± 397	266 ± 408	264 ± 410	310 ± 391
SNA1 + CLA	500 ± 492	195 ± 124	258 ± 123	286 ± 143	250 ± 87
SNA1 + c-myc	1903 ± 1495	1264 ± 1276	1376 ± 1221	1543 ± 1117	1563 ± 1138
SNA1 + Collagen IV	5078 ± 2838	3214 ± 1640	4110 ± 1324	4967 ± 2830	4042 ± 1776
SNA1 + FXIIIA	2107 ± 1322	1771 ± 1212	2060 ± 1267	1612 ± 1313	2110 ± 1399
SNA1 + HLA-DR	7784 ± 4668	4584 ± 1847	5543 ± 1713	5252 ± 2447	5310 ± 1683
SNA1 + IL-22R	2 ± 2	2 ± 2	1 ± 3	2 ± 3	2 ± 3
SNA1 + IL-23R	75 ± 52	47 ± 40	66 ± 47	80 ± 37	83 ± 61
SNA1 + Ki67	17 ± 21	13 ± 21	8 ± 19	12 ± 20	10 ± 19
SNA1 + PI	2869 ± 2213	1520 ± 837	1688 ± 712	1992 ± 999	1830 ± 710
SNA1 + Podoplanin	413 ± 687	245 ± 181	168 ± 113	182 ± 97	227 ± 281
SNA1 + STAT3	78 ± 77	56 ± 64	73 ± 88	44 ± 65	60 ± 69
SNA1 + TIA1	217 ± 163	104 ± 123	122 ± 110	291 ± 433	127 ± 106
SNA1 + Vimentin	3658 ± 2386	2671 ± 1148	2637 ± 1005	2362 ± 809	2633 ± 914

Tabelle 550: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	99 ± 150	58 ± 127	63 ± 125	58 ± 127	58 ± 127
STAT3 + BCL2	4 ± 3	2 ± 2	2 ± 2	1 ± 2	2 ± 2
STAT3 + CCR6	80 ± 109	43 ± 79	66 ± 88	45 ± 78	48 ± 77
STAT3 + CD11a	15 ± 20	4 ± 6	4 ± 6	4 ± 6	4 ± 6
STAT3 + CD11b	38 ± 46	31 ± 49	30 ± 50	32 ± 49	37 ± 48
STAT3 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD120b	3 ± 6	1 ± 1	1 ± 2	1 ± 1	2 ± 2
STAT3 + CD138	86 ± 137	56 ± 129	73 ± 128	57 ± 128	58 ± 128
STAT3 + CD15	8 ± 16	1 ± 2	3 ± 5	2 ± 2	1 ± 2
STAT3 + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD2	11 ± 14	5 ± 7	5 ± 8	5 ± 8	6 ± 7
STAT3 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD24	4 ± 7	2 ± 5	3 ± 5	3 ± 5	3 ± 5
STAT3 + CD28	8 ± 8	5 ± 8	5 ± 8	5 ± 8	5 ± 8
STAT3 + CD29	98 ± 107	55 ± 76	72 ± 82	53 ± 78	60 ± 76
STAT3 + CD3	10 ± 11	5 ± 7	5 ± 6	5 ± 7	5 ± 7
STAT3 + CD31	11 ± 15	10 ± 15	11 ± 15	10 ± 15	10 ± 15
STAT3 + CD4	20 ± 33	6 ± 9	7 ± 8	6 ± 9	6 ± 9
STAT3 + CD44	60 ± 78	33 ± 54	34 ± 54	30 ± 55	33 ± 54
STAT3 + CD45	16 ± 28	4 ± 4	4 ± 4	4 ± 4	4 ± 4
STAT3 + CD45RA	105 ± 158	78 ± 156	95 ± 156	77 ± 156	87 ± 154
STAT3 + CD45RO	79 ± 152	61 ± 152	68 ± 151	62 ± 152	67 ± 151
STAT3 + CD52	10 ± 13	5 ± 9	5 ± 8	5 ± 9	5 ± 9
STAT3 + CD54	28 ± 42	11 ± 17	12 ± 17	11 ± 17	11 ± 17
STAT3 + CD56	142 ± 196	102 ± 185	129 ± 197	93 ± 188	105 ± 186
STAT3 + CD58	34 ± 55	28 ± 56	29 ± 56	28 ± 56	28 ± 56
STAT3 + CD62E	1 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD62P	11 ± 21	11 ± 21	10 ± 21	10 ± 21	13 ± 21
STAT3 + CD68	92 ± 103	53 ± 77	64 ± 78	51 ± 78	61 ± 77
STAT3 + CD7	8 ± 9	6 ± 9	7 ± 9	6 ± 9	6 ± 9
STAT3 + CD8a	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
STAT3 + CK14	11 ± 29	12 ± 28	11 ± 28	11 ± 29	11 ± 29
STAT3 + CLA	9 ± 11	6 ± 9	6 ± 9	6 ± 9	6 ± 9
STAT3 + c-myc	83 ± 111	39 ± 72	84 ± 124	41 ± 71	45 ± 70
STAT3 + Collagen IV	12 ± 13	12 ± 14	17 ± 23	9 ± 14	9 ± 14
STAT3 + FXIIIA	118 ± 144	80 ± 129	102 ± 142	71 ± 131	85 ± 130
STAT3 + HLA-DR	126 ± 149	90 ± 150	110 ± 155	85 ± 153	96 ± 150
STAT3 + IL-22R	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
STAT3 + IL-23R	10 ± 11	8 ± 11	10 ± 11	8 ± 11	11 ± 12
STAT3 + Ki67	1 ± 2	0 ± 1	1 ± 2	0 ± 1	1 ± 1
STAT3 + PI	45 ± 38	25 ± 25	27 ± 26	21 ± 26	22 ± 26
STAT3 + Podoplanin	98 ± 135	74 ± 128	88 ± 133	66 ± 131	77 ± 128
STAT3 + SNA1	78 ± 77	56 ± 64	73 ± 88	44 ± 65	60 ± 69
STAT3 + TIA1	47 ± 69	35 ± 69	43 ± 67	35 ± 68	35 ± 69
STAT3 + Vimentin	89 ± 84	64 ± 71	68 ± 75	50 ± 73	59 ± 71

Tabelle 551: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	60 ± 71	45 ± 71	48 ± 69	46 ± 70	47 ± 70
TIA1 + BCL2	66 ± 62	47 ± 68	50 ± 66	56 ± 64	53 ± 64
TIA1 + CCR6	120 ± 89	92 ± 93	105 ± 81	113 ± 74	105 ± 84
TIA1 + CD11a	810 ± 778	589 ± 866	648 ± 827	900 ± 814	670 ± 813
TIA1 + CD11b	551 ± 727	411 ± 778	416 ± 775	1069 ± 1577	458 ± 754
TIA1 + CD120a	1 ± 1	1 ± 1	1 ± 1	7 ± 17	1 ± 1
TIA1 + CD120b	44 ± 68	39 ± 71	40 ± 70	54 ± 71	44 ± 69
TIA1 + CD138	39 ± 64	27 ± 62	33 ± 61	27 ± 62	27 ± 62
TIA1 + CD15	131 ± 155	42 ± 99	45 ± 98	510 ± 1222	43 ± 98
TIA1 + CD1a	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
TIA1 + CD2	734 ± 785	567 ± 853	617 ± 819	762 ± 764	687 ± 799
TIA1 + CD207	14 ± 37	14 ± 37	14 ± 37	15 ± 37	18 ± 37
TIA1 + CD24	84 ± 102	27 ± 33	28 ± 33	512 ± 1257	29 ± 32
TIA1 + CD28	333 ± 356	261 ± 392	273 ± 384	380 ± 351	284 ± 378
TIA1 + CD29	103 ± 66	80 ± 80	88 ± 73	128 ± 93	97 ± 72
TIA1 + CD3	753 ± 813	592 ± 890	645 ± 854	939 ± 848	693 ± 835
TIA1 + CD31	13 ± 25	12 ± 26	12 ± 26	22 ± 30	13 ± 25
TIA1 + CD4	512 ± 606	384 ± 644	411 ± 629	519 ± 599	427 ± 621
TIA1 + CD44	756 ± 558	527 ± 647	586 ± 599	948 ± 738	636 ± 584
TIA1 + CD45	639 ± 566	445 ± 628	498 ± 594	751 ± 692	505 ± 590
TIA1 + CD45RA	457 ± 394	345 ± 444	382 ± 414	428 ± 388	392 ± 411
TIA1 + CD45RO	360 ± 349	261 ± 384	289 ± 365	557 ± 637	283 ± 368
TIA1 + CD52	457 ± 628	353 ± 666	377 ± 654	576 ± 672	395 ± 649
TIA1 + CD54	486 ± 515	344 ± 517	352 ± 511	546 ± 546	378 ± 499
TIA1 + CD56	94 ± 81	63 ± 70	73 ± 63	72 ± 62	69 ± 65
TIA1 + CD58	90 ± 114	76 ± 122	77 ± 121	102 ± 113	76 ± 122
TIA1 + CD62E	2 ± 4	1 ± 1	1 ± 1	6 ± 14	1 ± 1
TIA1 + CD62P	9 ± 16	8 ± 16	8 ± 16	10 ± 16	8 ± 16
TIA1 + CD68	187 ± 263	158 ± 274	173 ± 265	214 ± 274	168 ± 268
TIA1 + CD7	612 ± 608	455 ± 653	511 ± 616	625 ± 579	497 ± 624
TIA1 + CD8a	652 ± 713	507 ± 779	547 ± 752	735 ± 701	615 ± 724
TIA1 + CK14	10 ± 25	10 ± 25	10 ± 25	10 ± 25	10 ± 25
TIA1 + CLA	256 ± 204	172 ± 233	182 ± 225	340 ± 388	247 ± 222
TIA1 + c-myc	58 ± 63	42 ± 62	51 ± 60	61 ± 68	43 ± 61
TIA1 + Collagen IV	96 ± 137	78 ± 144	81 ± 142	194 ± 282	107 ± 145
TIA1 + FXIIIA	92 ± 52	65 ± 59	85 ± 43	140 ± 158	85 ± 41
TIA1 + HLA-DR	787 ± 634	577 ± 745	637 ± 697	889 ± 660	685 ± 676
TIA1 + IL-22R	1 ± 2	1 ± 2	1 ± 2	3 ± 5	1 ± 2
TIA1 + IL-23R	4 ± 6	4 ± 6	4 ± 6	22 ± 46	4 ± 6
TIA1 + Ki67	1 ± 1	1 ± 1	1 ± 1	1 ± 1	2 ± 2
TIA1 + PI	786 ± 905	612 ± 984	653 ± 958	769 ± 907	698 ± 939
TIA1 + Podoplanin	85 ± 90	53 ± 73	63 ± 69	61 ± 69	55 ± 72
TIA1 + SNA1	217 ± 163	104 ± 123	122 ± 110	291 ± 433	127 ± 106
TIA1 + STAT3	47 ± 69	35 ± 69	43 ± 67	35 ± 68	35 ± 69
TIA1 + Vimentin	357 ± 422	269 ± 451	301 ± 432	389 ± 441	333 ± 424

Tabelle 552: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Non-Responder identifizierten n=2 Patienten (extrakapilläre Dermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	325 ± 419	196 ± 302	190 ± 306	225 ± 308	195 ± 305
Vimentin + BCL2	759 ± 525	416 ± 399	455 ± 376	537 ± 415	529 ± 347
Vimentin + CCR6	528 ± 634	333 ± 551	396 ± 517	619 ± 615	511 ± 607
Vimentin + CD11a	3220 ± 3040	1752 ± 2685	2070 ± 2615	2897 ± 3119	1983 ± 2565
Vimentin + CD11b	3845 ± 2707	3367 ± 3048	3289 ± 3115	4270 ± 3123	4642 ± 2789
Vimentin + CD120a	14 ± 11	10 ± 11	16 ± 16	49 ± 99	10 ± 10
Vimentin + CD120b	140 ± 233	110 ± 240	134 ± 240	167 ± 257	130 ± 238
Vimentin + CD138	71 ± 99	34 ± 56	55 ± 56	38 ± 55	42 ± 53
Vimentin + CD15	149 ± 205	154 ± 215	116 ± 209	311 ± 330	146 ± 207
Vimentin + CD1a	17 ± 25	22 ± 31	15 ± 26	14 ± 26	14 ± 26
Vimentin + CD2	2975 ± 2674	2027 ± 2657	2297 ± 2566	3051 ± 2806	2630 ± 2688
Vimentin + CD207	111 ± 200	112 ± 199	120 ± 197	109 ± 201	125 ± 197
Vimentin + CD24	25 ± 23	18 ± 16	37 ± 51	115 ± 228	30 ± 42
Vimentin + CD28	1608 ± 1616	1000 ± 1639	1115 ± 1594	1633 ± 1668	1159 ± 1573
Vimentin + CD29	1570 ± 658	1136 ± 753	1283 ± 590	1299 ± 704	1626 ± 939
Vimentin + CD3	2979 ± 2815	1967 ± 2703	2286 ± 2608	3374 ± 3074	2489 ± 2631
Vimentin + CD31	255 ± 228	217 ± 254	234 ± 241	322 ± 258	236 ± 244
Vimentin + CD4	3977 ± 3620	2563 ± 2905	2815 ± 2833	3964 ± 3256	3078 ± 2750
Vimentin + CD44	10852 ± 3702	8925 ± 2415	10477 ± 4084	10562 ± 4695	11621 ± 5678
Vimentin + CD45	2774 ± 2775	1317 ± 1806	1624 ± 1777	2291 ± 2471	1512 ± 1725
Vimentin + CD45RA	978 ± 848	652 ± 771	711 ± 744	924 ± 770	741 ± 724
Vimentin + CD45RO	1720 ± 1833	860 ± 1548	984 ± 1510	1660 ± 1952	942 ± 1515
Vimentin + CD52	1603 ± 1933	1025 ± 1996	1177 ± 1960	1558 ± 2011	1230 ± 1966
Vimentin + CD54	4198 ± 4271	2603 ± 2934	2838 ± 2772	3868 ± 3371	3368 ± 2649
Vimentin + CD56	759 ± 489	615 ± 304	579 ± 298	591 ± 349	549 ± 283
Vimentin + CD58	389 ± 530	321 ± 543	308 ± 549	463 ± 562	315 ± 546
Vimentin + CD62E	13 ± 21	8 ± 18	13 ± 21	9 ± 18	8 ± 19
Vimentin + CD62P	40 ± 54	42 ± 52	43 ± 52	44 ± 51	41 ± 53
Vimentin + CD68	3063 ± 2659	2573 ± 2712	3075 ± 2559	3084 ± 2438	2978 ± 2502
Vimentin + CD7	1641 ± 1639	944 ± 1468	1313 ± 1486	1596 ± 1594	1124 ± 1396
Vimentin + CD8a	1020 ± 997	805 ± 1043	884 ± 1029	1059 ± 997	918 ± 1019
Vimentin + CK14	56 ± 108	63 ± 104	57 ± 107	57 ± 108	69 ± 106
Vimentin + CLA	1002 ± 553	739 ± 687	903 ± 652	1052 ± 595	1136 ± 806
Vimentin + c-myc	837 ± 870	525 ± 881	595 ± 862	573 ± 860	740 ± 837
Vimentin + Collagen IV	1887 ± 1523	1625 ± 1467	1792 ± 1443	1837 ± 1514	2357 ± 2711
Vimentin + FXIIIA	2855 ± 1198	2488 ± 1121	3041 ± 1455	2800 ± 1385	3103 ± 1384
Vimentin + HLA-DR	10074 ± 4190	7381 ± 3543	8821 ± 4117	9422 ± 5074	9186 ± 3698
Vimentin + IL-22R	6 ± 10	6 ± 10	6 ± 10	12 ± 16	6 ± 10
Vimentin + IL-23R	131 ± 117	74 ± 73	80 ± 68	176 ± 150	143 ± 103
Vimentin + Ki67	67 ± 67	30 ± 43	26 ± 46	31 ± 43	64 ± 69
Vimentin + PI	6653 ± 3214	4915 ± 3424	5912 ± 3219	6001 ± 3282	6179 ± 3369
Vimentin + Podoplanin	595 ± 649	700 ± 641	343 ± 141	529 ± 467	586 ± 638
Vimentin + SNA1	3658 ± 2386	2671 ± 1148	2637 ± 1005	2362 ± 809	2633 ± 914
Vimentin + STAT3	89 ± 84	64 ± 71	68 ± 75	50 ± 73	59 ± 71
Vimentin + TIA1	357 ± 422	269 ± 451	301 ± 432	389 ± 441	333 ± 424

1.1.13 Duale Koexpression der basalen Epidermis für alle Patienten

Tabelle 553: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	2 ± 4	5 ± 15	3 ± 6	1 ± 2	1 ± 2
Aktin + CCR6	1 ± 2	53 ± 173	37 ± 82	1 ± 2	1 ± 2
Aktin + CD11a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD120a	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD138	2 ± 4	499 ± 1650	103 ± 226	2 ± 5	4 ± 8
Aktin + CD15	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD207	0 ± 0	0 ± 1	0 ± 1	0 ± 0	0 ± 0
Aktin + CD24	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD29	18 ± 24	313 ± 1014	111 ± 220	13 ± 24	8 ± 14
Aktin + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD31	10 ± 14	9 ± 22	40 ± 111	12 ± 31	3 ± 9
Aktin + CD4	2 ± 4	1 ± 3	2 ± 3	1 ± 3	1 ± 3
Aktin + CD44	1 ± 2	15 ± 48	3 ± 6	0 ± 1	1 ± 2
Aktin + CD45	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD45RA	0 ± 0	0 ± 0	2 ± 6	0 ± 0	0 ± 0
Aktin + CD45RO	0 ± 1	0 ± 0	1 ± 2	0 ± 0	1 ± 5
Aktin + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD54	14 ± 23	3 ± 9	5 ± 11	12 ± 31	3 ± 9
Aktin + CD56	1 ± 4	109 ± 361	78 ± 174	0 ± 0	2 ± 5
Aktin + CD58	5 ± 9	12 ± 32	11 ± 31	3 ± 8	2 ± 6
Aktin + CD62E	0 ± 0	0 ± 0	3 ± 9	0 ± 0	0 ± 0
Aktin + CD62P	1 ± 2	8 ± 24	1 ± 3	8 ± 24	1 ± 2
Aktin + CD68	4 ± 9	22 ± 64	7 ± 11	3 ± 9	3 ± 9
Aktin + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CK14	4 ± 9	498 ± 1638	104 ± 219	3 ± 9	5 ± 12
Aktin + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + c-myc	7 ± 12	518 ± 1706	109 ± 228	3 ± 10	4 ± 10
Aktin + Collagen IV	14 ± 24	45 ± 138	9 ± 14	11 ± 24	3 ± 11
Aktin + FXIIIA	2 ± 4	4 ± 8	24 ± 52	1 ± 4	2 ± 4
Aktin + HLA-DR	10 ± 19	33 ± 104	11 ± 18	2 ± 5	2 ± 5
Aktin + IL-22R	0 ± 1	2 ± 5	0 ± 1	0 ± 1	0 ± 1
Aktin + IL-23R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Aktin + Ki67	0 ± 0	2 ± 5	0 ± 1	0 ± 1	0 ± 0
Aktin + PI	7 ± 10	245 ± 804	68 ± 142	3 ± 5	4 ± 6
Aktin + Podoplanin	2 ± 7	232 ± 760	73 ± 162	2 ± 7	2 ± 7
Aktin + SNA1	16 ± 24	29 ± 83	8 ± 15	11 ± 26	3 ± 11
Aktin + STAT3	1 ± 2	503 ± 1667	103 ± 230	0 ± 0	2 ± 6
Aktin + TIA1	0 ± 0	10 ± 32	13 ± 40	0 ± 0	0 ± 0
Aktin + Vimentin	13 ± 23	64 ± 199	17 ± 25	13 ± 30	5 ± 10

Tabelle 554: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	2 ± 4	5 ± 15	3 ± 6	1 ± 2	1 ± 2
BCL2 + CCR6	56 ± 86	21 ± 43	18 ± 22	44 ± 51	59 ± 105
BCL2 + CD11a	85 ± 163	13 ± 21	49 ± 62	33 ± 37	20 ± 21
BCL2 + CD11b	10 ± 15	7 ± 16	11 ± 16	8 ± 16	9 ± 15
BCL2 + CD120a	7 ± 11	15 ± 30	8 ± 14	5 ± 9	13 ± 28
BCL2 + CD120b	7 ± 13	2 ± 5	2 ± 5	5 ± 8	1 ± 2
BCL2 + CD138	1387 ± 2012	344 ± 376	894 ± 1273	241 ± 196	296 ± 336
BCL2 + CD15	10 ± 23	19 ± 43	7 ± 22	11 ± 25	11 ± 23
BCL2 + CD1a	9 ± 11	26 ± 72	15 ± 41	2 ± 2	22 ± 43
BCL2 + CD2	120 ± 207	21 ± 39	72 ± 86	43 ± 47	46 ± 40
BCL2 + CD207	13 ± 19	59 ± 173	13 ± 18	7 ± 9	26 ± 52
BCL2 + CD24	1 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 5
BCL2 + CD28	38 ± 84	2 ± 4	9 ± 15	4 ± 5	2 ± 4
BCL2 + CD29	2215 ± 2311	576 ± 549	1035 ± 1093	596 ± 461	770 ± 469
BCL2 + CD3	77 ± 122	13 ± 25	54 ± 86	49 ± 56	32 ± 41
BCL2 + CD31	4 ± 7	1 ± 4	4 ± 7	1 ± 4	1 ± 4
BCL2 + CD4	42 ± 99	5 ± 8	12 ± 19	17 ± 33	6 ± 9
BCL2 + CD44	1075 ± 1414	333 ± 343	835 ± 1046	347 ± 334	358 ± 289
BCL2 + CD45	66 ± 146	5 ± 7	32 ± 49	17 ± 29	7 ± 9
BCL2 + CD45RA	30 ± 43	12 ± 21	19 ± 23	15 ± 21	17 ± 21
BCL2 + CD45RO	45 ± 110	2 ± 6	26 ± 48	10 ± 13	8 ± 15
BCL2 + CD52	14 ± 21	2 ± 3	4 ± 7	11 ± 29	3 ± 4
BCL2 + CD54	150 ± 352	6 ± 18	12 ± 20	26 ± 64	16 ± 28
BCL2 + CD56	7 ± 14	15 ± 42	8 ± 12	2 ± 3	3 ± 4
BCL2 + CD58	528 ± 1193	188 ± 393	113 ± 202	88 ± 106	134 ± 149
BCL2 + CD62E	8 ± 14	4 ± 11	5 ± 12	4 ± 11	4 ± 11
BCL2 + CD62P	8 ± 20	7 ± 20	7 ± 20	7 ± 20	7 ± 20
BCL2 + CD68	494 ± 412	338 ± 342	409 ± 314	324 ± 343	405 ± 349
BCL2 + CD7	78 ± 162	6 ± 8	59 ± 87	51 ± 79	16 ± 16
BCL2 + CD8a	42 ± 55	12 ± 25	26 ± 33	16 ± 26	24 ± 33
BCL2 + CK14	2710 ± 2342	1001 ± 962	2155 ± 2579	944 ± 753	1191 ± 644
BCL2 + CLA	45 ± 72	16 ± 25	32 ± 44	40 ± 53	39 ± 44
BCL2 + c-myc	1005 ± 937	437 ± 606	375 ± 335	376 ± 362	408 ± 312
BCL2 + Collagen IV	266 ± 235	130 ± 144	201 ± 173	223 ± 251	181 ± 138
BCL2 + FXIIIA	14 ± 29	7 ± 22	10 ± 22	7 ± 22	9 ± 22
BCL2 + HLA-DR	593 ± 914	113 ± 78	258 ± 428	156 ± 154	151 ± 126
BCL2 + IL-22R	105 ± 136	203 ± 412	88 ± 137	73 ± 139	101 ± 155
BCL2 + IL-23R	200 ± 294	86 ± 142	34 ± 35	61 ± 71	49 ± 54
BCL2 + Ki67	373 ± 633	75 ± 152	516 ± 1048	69 ± 153	45 ± 43
BCL2 + PI	1947 ± 1897	670 ± 745	1691 ± 2279	563 ± 545	769 ± 517
BCL2 + Podoplanin	482 ± 965	39 ± 85	37 ± 68	65 ± 108	14 ± 29
BCL2 + SNA1	862 ± 1330	102 ± 85	267 ± 361	118 ± 92	129 ± 92
BCL2 + STAT3	179 ± 184	255 ± 507	54 ± 62	59 ± 62	102 ± 155
BCL2 + TIA1	13 ± 16	8 ± 14	10 ± 13	7 ± 13	9 ± 13
BCL2 + Vimentin	1000 ± 785	297 ± 230	592 ± 518	487 ± 278	530 ± 338

Tabelle 555: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	1 ± 2	53 ± 173	37 ± 82	1 ± 2	1 ± 2
CCR6 + BCL2	56 ± 86	21 ± 43	18 ± 22	44 ± 51	59 ± 105
CCR6 + CD11a	43 ± 84	10 ± 30	15 ± 31	29 ± 42	16 ± 31
CCR6 + CD11b	7 ± 12	3 ± 10	3 ± 10	4 ± 11	3 ± 10
CCR6 + CD120a	2 ± 2	2 ± 3	2 ± 3	5 ± 8	4 ± 6
CCR6 + CD120b	6 ± 11	1 ± 3	1 ± 3	5 ± 8	1 ± 3
CCR6 + CD138	77 ± 93	89 ± 183	109 ± 149	68 ± 66	88 ± 191
CCR6 + CD15	1 ± 4	2 ± 4	1 ± 4	4 ± 8	2 ± 5
CCR6 + CD1a	4 ± 6	4 ± 10	6 ± 14	7 ± 8	6 ± 7
CCR6 + CD2	50 ± 90	10 ± 31	19 ± 35	35 ± 49	24 ± 33
CCR6 + CD207	5 ± 11	5 ± 9	3 ± 5	13 ± 22	7 ± 10
CCR6 + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CCR6 + CD28	30 ± 60	6 ± 19	7 ± 19	11 ± 20	8 ± 19
CCR6 + CD29	120 ± 157	81 ± 156	100 ± 134	128 ± 137	105 ± 160
CCR6 + CD3	50 ± 80	11 ± 33	20 ± 38	49 ± 73	27 ± 42
CCR6 + CD31	0 ± 0	2 ± 7	17 ± 56	0 ± 0	0 ± 0
CCR6 + CD4	28 ± 62	7 ± 24	8 ± 24	18 ± 33	9 ± 24
CCR6 + CD44	100 ± 127	25 ± 35	58 ± 52	143 ± 148	112 ± 174
CCR6 + CD45	39 ± 79	8 ± 25	13 ± 28	26 ± 50	11 ± 26
CCR6 + CD45RA	6 ± 9	2 ± 4	5 ± 8	5 ± 7	3 ± 6
CCR6 + CD45RO	30 ± 64	8 ± 26	11 ± 26	21 ± 31	15 ± 29
CCR6 + CD52	14 ± 27	4 ± 12	4 ± 12	21 ± 52	5 ± 12
CCR6 + CD54	29 ± 63	6 ± 21	7 ± 20	24 ± 51	7 ± 21
CCR6 + CD56	1 ± 1	25 ± 78	36 ± 78	1 ± 1	1 ± 2
CCR6 + CD58	29 ± 52	22 ± 35	28 ± 44	50 ± 98	24 ± 33
CCR6 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD62P	0 ± 1	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD68	41 ± 57	20 ± 33	23 ± 32	39 ± 40	23 ± 32
CCR6 + CD7	36 ± 69	6 ± 18	14 ± 21	36 ± 51	14 ± 22
CCR6 + CD8a	17 ± 30	4 ± 12	7 ± 13	11 ± 15	11 ± 20
CCR6 + CK14	141 ± 173	111 ± 183	142 ± 146	212 ± 209	217 ± 277
CCR6 + CLA	23 ± 35	7 ± 19	11 ± 20	19 ± 20	16 ± 20
CCR6 + c-myc	46 ± 53	82 ± 192	78 ± 147	50 ± 73	87 ± 125
CCR6 + Collagen IV	10 ± 13	5 ± 10	7 ± 7	23 ± 34	9 ± 14
CCR6 + FXIIIA	3 ± 7	2 ± 6	15 ± 33	1 ± 3	0 ± 1
CCR6 + HLA-DR	79 ± 108	26 ± 37	36 ± 37	83 ± 102	45 ± 53
CCR6 + IL-22R	10 ± 11	17 ± 35	6 ± 8	19 ± 30	28 ± 55
CCR6 + IL-23R	14 ± 21	8 ± 17	6 ± 17	24 ± 34	26 ± 46
CCR6 + Ki67	4 ± 5	1 ± 2	3 ± 4	5 ± 8	5 ± 13
CCR6 + PI	65 ± 101	42 ± 72	66 ± 90	67 ± 64	79 ± 102
CCR6 + Podoplanin	34 ± 57	66 ± 181	67 ± 144	58 ± 149	3 ± 6
CCR6 + SNA1	66 ± 96	11 ± 16	15 ± 20	41 ± 53	32 ± 52
CCR6 + STAT3	14 ± 21	77 ± 186	71 ± 152	21 ± 31	41 ± 76
CCR6 + TIA1	6 ± 10	10 ± 29	17 ± 49	3 ± 3	2 ± 3
CCR6 + Vimentin	123 ± 172	37 ± 58	52 ± 46	148 ± 152	116 ± 175

Tabelle 556: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + BCL2	85 ± 163	13 ± 21	49 ± 62	33 ± 37	20 ± 21
CD11a + CCR6	43 ± 84	10 ± 30	15 ± 31	29 ± 42	16 ± 31
CD11a + CD11b	80 ± 131	29 ± 94	35 ± 93	39 ± 93	36 ± 94
CD11a + CD120a	10 ± 12	2 ± 5	5 ± 9	17 ± 34	5 ± 7
CD11a + CD120b	29 ± 46	4 ± 14	9 ± 15	19 ± 33	8 ± 16
CD11a + CD138	310 ± 643	32 ± 87	90 ± 118	61 ± 88	39 ± 85
CD11a + CD15	6 ± 12	0 ± 0	0 ± 0	6 ± 15	0 ± 0
CD11a + CD1a	18 ± 35	8 ± 23	12 ± 26	16 ± 31	9 ± 23
CD11a + CD2	423 ± 897	84 ± 194	211 ± 272	182 ± 278	114 ± 185
CD11a + CD207	24 ± 50	8 ± 19	13 ± 19	18 ± 31	10 ± 19
CD11a + CD24	6 ± 8	3 ± 6	4 ± 6	9 ± 15	3 ± 6
CD11a + CD28	309 ± 828	23 ± 62	50 ± 80	52 ± 77	29 ± 62
CD11a + CD29	628 ± 1214	103 ± 284	240 ± 324	221 ± 307	127 ± 277
CD11a + CD3	428 ± 835	88 ± 226	200 ± 275	263 ± 389	119 ± 223
CD11a + CD31	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD11a + CD4	349 ± 896	46 ± 129	77 ± 134	203 ± 456	56 ± 128
CD11a + CD44	640 ± 1210	95 ± 242	263 ± 337	410 ± 628	125 ± 240
CD11a + CD45	473 ± 1122	49 ± 125	197 ± 274	241 ± 447	66 ± 125
CD11a + CD45RA	95 ± 164	34 ± 88	50 ± 91	107 ± 219	40 ± 86
CD11a + CD45RO	313 ± 773	36 ± 119	113 ± 163	102 ± 152	56 ± 125
CD11a + CD52	45 ± 98	8 ± 22	19 ± 40	55 ± 137	11 ± 21
CD11a + CD54	391 ± 944	70 ± 233	118 ± 256	222 ± 436	75 ± 231
CD11a + CD56	5 ± 10	0 ± 1	3 ± 7	3 ± 8	2 ± 4
CD11a + CD58	181 ± 290	52 ± 164	64 ± 163	125 ± 219	70 ± 166
CD11a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + CD62P	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD68	84 ± 152	53 ± 134	75 ± 133	72 ± 132	66 ± 132
CD11a + CD7	360 ± 789	46 ± 133	177 ± 251	197 ± 298	61 ± 132
CD11a + CD8a	157 ± 186	44 ± 93	98 ± 114	101 ± 137	68 ± 88
CD11a + CK14	643 ± 1123	122 ± 263	327 ± 370	416 ± 533	174 ± 249
CD11a + CLA	115 ± 191	40 ± 81	63 ± 78	96 ± 117	55 ± 78
CD11a + c-myc	266 ± 404	34 ± 90	90 ± 138	333 ± 751	54 ± 90
CD11a + Collagen IV	186 ± 283	28 ± 77	84 ± 124	158 ± 262	40 ± 76
CD11a + FXIIIA	4 ± 12	4 ± 12	4 ± 12	7 ± 16	4 ± 12
CD11a + HLA-DR	533 ± 876	96 ± 249	196 ± 280	318 ± 465	120 ± 246
CD11a + IL-22R	18 ± 25	11 ± 24	12 ± 24	14 ± 23	13 ± 23
CD11a + IL-23R	8 ± 11	2 ± 4	2 ± 4	13 ± 33	2 ± 4
CD11a + Ki67	13 ± 21	5 ± 14	8 ± 14	7 ± 14	6 ± 13
CD11a + PI	457 ± 955	66 ± 136	199 ± 247	243 ± 364	103 ± 128
CD11a + Podoplanin	110 ± 216	9 ± 30	15 ± 32	95 ± 235	10 ± 30
CD11a + SNA1	498 ± 901	40 ± 106	142 ± 185	196 ± 328	60 ± 108
CD11a + STAT3	14 ± 20	1 ± 3	1 ± 2	3 ± 5	3 ± 5
CD11a + TIA1	38 ± 51	9 ± 20	20 ± 24	26 ± 46	11 ± 19
CD11a + Vimentin	374 ± 692	84 ± 231	177 ± 245	229 ± 352	103 ± 227

Tabelle 557: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + BCL2	10 ± 15	7 ± 16	11 ± 16	8 ± 16	9 ± 15
CD11b + CCR6	7 ± 12	3 ± 10	3 ± 10	4 ± 11	3 ± 10
CD11b + CD11a	80 ± 131	29 ± 94	35 ± 93	39 ± 93	36 ± 94
CD11b + CD120a	9 ± 19	6 ± 19	6 ± 19	7 ± 18	9 ± 20
CD11b + CD120b	4 ± 9	3 ± 9	3 ± 9	4 ± 10	4 ± 9
CD11b + CD138	42 ± 72	22 ± 62	23 ± 62	23 ± 62	24 ± 62
CD11b + CD15	20 ± 39	2 ± 6	2 ± 6	66 ± 173	2 ± 6
CD11b + CD1a	6 ± 18	6 ± 18	6 ± 18	6 ± 18	6 ± 18
CD11b + CD2	39 ± 79	16 ± 52	17 ± 51	18 ± 51	19 ± 51
CD11b + CD207	3 ± 5	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD11b + CD24	10 ± 28	9 ± 28	9 ± 28	51 ± 117	9 ± 28
CD11b + CD28	19 ± 46	4 ± 13	4 ± 13	6 ± 13	5 ± 13
CD11b + CD29	144 ± 227	73 ± 203	79 ± 201	102 ± 208	79 ± 201
CD11b + CD3	38 ± 71	18 ± 60	19 ± 60	29 ± 64	26 ± 61
CD11b + CD31	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD11b + CD4	53 ± 103	26 ± 78	27 ± 77	31 ± 77	31 ± 77
CD11b + CD44	149 ± 236	77 ± 233	90 ± 230	129 ± 246	97 ± 230
CD11b + CD45	68 ± 123	16 ± 54	21 ± 54	31 ± 66	22 ± 55
CD11b + CD45RA	17 ± 36	12 ± 36	12 ± 36	16 ± 35	13 ± 36
CD11b + CD45RO	56 ± 107	20 ± 68	24 ± 67	35 ± 77	33 ± 70
CD11b + CD52	3 ± 6	2 ± 6	2 ± 6	14 ± 40	2 ± 6
CD11b + CD54	117 ± 236	61 ± 200	63 ± 200	68 ± 199	68 ± 199
CD11b + CD56	2 ± 3	1 ± 1	1 ± 2	1 ± 1	3 ± 9
CD11b + CD58	32 ± 89	27 ± 90	27 ± 90	31 ± 89	43 ± 92
CD11b + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 2	1 ± 3
CD11b + CD62P	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD11b + CD68	55 ± 132	48 ± 134	50 ± 134	56 ± 132	54 ± 132
CD11b + CD7	35 ± 66	14 ± 48	15 ± 48	21 ± 47	16 ± 47
CD11b + CD8a	14 ± 28	7 ± 24	7 ± 24	8 ± 24	8 ± 24
CD11b + CK14	167 ± 241	94 ± 245	109 ± 241	136 ± 240	147 ± 238
CD11b + CLA	19 ± 30	10 ± 29	10 ± 29	23 ± 36	12 ± 29
CD11b + c-myc	169 ± 295	94 ± 300	104 ± 297	168 ± 322	144 ± 296
CD11b + Collagen IV	135 ± 255	81 ± 258	91 ± 254	130 ± 263	105 ± 253
CD11b + FXIIIA	9 ± 26	8 ± 26	9 ± 26	9 ± 26	10 ± 26
CD11b + HLA-DR	174 ± 291	99 ± 296	111 ± 293	117 ± 293	120 ± 291
CD11b + IL-22R	5 ± 12	4 ± 12	4 ± 12	5 ± 12	4 ± 12
CD11b + IL-23R	8 ± 16	5 ± 16	5 ± 16	8 ± 16	6 ± 15
CD11b + Ki67	1 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD11b + PI	56 ± 79	26 ± 66	32 ± 64	34 ± 63	36 ± 63
CD11b + Podoplanin	20 ± 31	10 ± 31	10 ± 31	16 ± 34	11 ± 31
CD11b + SNA1	190 ± 274	83 ± 249	104 ± 244	153 ± 281	103 ± 244
CD11b + STAT3	4 ± 7	1 ± 4	1 ± 4	5 ± 13	1 ± 4
CD11b + TIA1	17 ± 28	5 ± 16	5 ± 16	47 ± 120	5 ± 16
CD11b + Vimentin	112 ± 236	78 ± 243	89 ± 240	86 ± 240	92 ± 239

Tabelle 558: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD120a + BCL2	7 ± 11	15 ± 30	8 ± 14	5 ± 9	13 ± 28
CD120a + CCR6	2 ± 2	2 ± 3	2 ± 3	5 ± 8	4 ± 6
CD120a + CD11a	10 ± 12	2 ± 5	5 ± 9	17 ± 34	5 ± 7
CD120a + CD11b	9 ± 19	6 ± 19	6 ± 19	7 ± 18	9 ± 20
CD120a + CD120b	1 ± 2	2 ± 5	1 ± 3	2 ± 5	0 ± 0
CD120a + CD138	48 ± 37	38 ± 35	56 ± 64	49 ± 53	115 ± 229
CD120a + CD15	1 ± 1	3 ± 8	0 ± 1	1 ± 2	1 ± 2
CD120a + CD1a	13 ± 13	25 ± 40	29 ± 58	26 ± 30	32 ± 41
CD120a + CD2	3 ± 4	2 ± 3	7 ± 17	3 ± 5	7 ± 12
CD120a + CD207	19 ± 16	26 ± 27	40 ± 52	40 ± 44	39 ± 49
CD120a + CD24	1 ± 1	0 ± 1	1 ± 1	3 ± 8	1 ± 1
CD120a + CD28	4 ± 6	3 ± 8	2 ± 3	7 ± 15	1 ± 3
CD120a + CD29	51 ± 32	51 ± 56	50 ± 55	53 ± 32	92 ± 158
CD120a + CD3	2 ± 4	0 ± 1	2 ± 2	9 ± 18	2 ± 3
CD120a + CD31	0 ± 0	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD120a + CD4	6 ± 8	2 ± 5	3 ± 6	14 ± 28	4 ± 7
CD120a + CD44	51 ± 30	49 ± 52	51 ± 43	96 ± 76	105 ± 170
CD120a + CD45	11 ± 14	4 ± 8	17 ± 36	25 ± 53	7 ± 8
CD120a + CD45RA	2 ± 4	0 ± 1	1 ± 1	3 ± 5	1 ± 2
CD120a + CD45RO	7 ± 16	6 ± 16	15 ± 29	13 ± 22	7 ± 16
CD120a + CD52	0 ± 1	0 ± 0	0 ± 1	2 ± 8	1 ± 3
CD120a + CD54	18 ± 25	6 ± 18	13 ± 30	29 ± 59	8 ± 19
CD120a + CD56	0 ± 0	0 ± 0	1 ± 1	1 ± 1	0 ± 0
CD120a + CD58	18 ± 19	22 ± 28	20 ± 40	31 ± 46	34 ± 49
CD120a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD120a + CD68	15 ± 20	26 ± 35	19 ± 24	20 ± 21	23 ± 30
CD120a + CD7	2 ± 4	0 ± 1	3 ± 7	6 ± 12	1 ± 1
CD120a + CD8a	1 ± 1	0 ± 0	1 ± 2	1 ± 1	0 ± 0
CD120a + CK14	84 ± 52	109 ± 114	88 ± 59	126 ± 75	221 ± 383
CD120a + CLA	13 ± 15	4 ± 7	14 ± 20	6 ± 7	15 ± 31
CD120a + c-myc	31 ± 38	23 ± 27	13 ± 11	56 ± 98	29 ± 20
CD120a + Collagen IV	13 ± 18	6 ± 7	5 ± 6	29 ± 50	21 ± 25
CD120a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD120a + HLA-DR	54 ± 31	50 ± 55	45 ± 17	83 ± 68	73 ± 71
CD120a + IL-22R	23 ± 19	39 ± 55	17 ± 15	26 ± 22	88 ± 190
CD120a + IL-23R	24 ± 41	30 ± 70	9 ± 13	26 ± 35	13 ± 17
CD120a + Ki67	2 ± 2	3 ± 5	4 ± 10	1 ± 2	4 ± 7
CD120a + PI	24 ± 17	48 ± 81	32 ± 31	34 ± 29	81 ± 143
CD120a + Podoplanin	7 ± 14	4 ± 11	5 ± 11	10 ± 20	4 ± 11
CD120a + SNA1	34 ± 34	16 ± 17	17 ± 13	42 ± 48	34 ± 34
CD120a + STAT3	18 ± 36	17 ± 22	9 ± 15	8 ± 10	33 ± 67
CD120a + TIA1	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + Vimentin	32 ± 27	35 ± 33	57 ± 75	55 ± 49	56 ± 72

Tabelle 559: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + BCL2	7 ± 13	2 ± 5	2 ± 5	5 ± 8	1 ± 2
CD120b + CCR6	6 ± 11	1 ± 3	1 ± 3	5 ± 8	1 ± 3
CD120b + CD11a	29 ± 46	4 ± 14	9 ± 15	19 ± 33	8 ± 16
CD120b + CD11b	4 ± 9	3 ± 9	3 ± 9	4 ± 10	4 ± 9
CD120b + CD120a	1 ± 2	2 ± 5	1 ± 3	2 ± 5	0 ± 0
CD120b + CD138	12 ± 21	3 ± 5	6 ± 10	8 ± 22	2 ± 3
CD120b + CD15	4 ± 13	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD120b + CD1a	1 ± 2	0 ± 1	1 ± 3	1 ± 2	0 ± 0
CD120b + CD2	18 ± 29	4 ± 13	6 ± 12	16 ± 35	8 ± 13
CD120b + CD207	0 ± 1	0 ± 1	1 ± 1	1 ± 2	0 ± 0
CD120b + CD24	30 ± 52	5 ± 18	11 ± 22	10 ± 18	7 ± 17
CD120b + CD28	22 ± 36	3 ± 7	5 ± 9	20 ± 51	7 ± 15
CD120b + CD29	66 ± 93	10 ± 26	22 ± 38	50 ± 106	11 ± 26
CD120b + CD3	31 ± 42	5 ± 17	16 ± 29	48 ± 112	14 ± 23
CD120b + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + CD4	22 ± 37	5 ± 15	7 ± 15	19 ± 42	9 ± 18
CD120b + CD44	68 ± 98	9 ± 25	28 ± 54	50 ± 100	16 ± 27
CD120b + CD45	27 ± 39	4 ± 12	8 ± 15	39 ± 106	7 ± 14
CD120b + CD45RA	14 ± 23	3 ± 8	4 ± 9	4 ± 9	5 ± 8
CD120b + CD45RO	15 ± 25	5 ± 13	6 ± 13	15 ± 30	7 ± 15
CD120b + CD52	4 ± 6	1 ± 3	2 ± 5	16 ± 51	1 ± 3
CD120b + CD54	29 ± 43	4 ± 14	5 ± 14	8 ± 16	6 ± 14
CD120b + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD58	16 ± 33	4 ± 9	4 ± 9	33 ± 93	7 ± 12
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	8 ± 14	5 ± 11	5 ± 11	5 ± 11	5 ± 11
CD120b + CD7	27 ± 39	5 ± 17	14 ± 24	44 ± 99	11 ± 20
CD120b + CD8a	5 ± 8	1 ± 4	2 ± 4	6 ± 15	3 ± 5
CD120b + CK14	35 ± 46	12 ± 26	19 ± 32	46 ± 88	16 ± 26
CD120b + CLA	9 ± 17	2 ± 4	3 ± 5	8 ± 14	4 ± 5
CD120b + c-myc	39 ± 56	8 ± 21	13 ± 24	27 ± 59	15 ± 24
CD120b + Collagen IV	33 ± 60	6 ± 21	11 ± 22	18 ± 35	11 ± 22
CD120b + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + HLA-DR	57 ± 82	7 ± 22	15 ± 27	21 ± 29	12 ± 25
CD120b + IL-22R	1 ± 3	4 ± 9	2 ± 3	2 ± 4	1 ± 2
CD120b + IL-23R	0 ± 1	0 ± 1	1 ± 2	2 ± 6	0 ± 0
CD120b + Ki67	1 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120b + PI	34 ± 53	6 ± 13	11 ± 22	13 ± 22	7 ± 10
CD120b + Podoplanin	7 ± 16	1 ± 2	1 ± 2	33 ± 100	1 ± 2
CD120b + SNA1	65 ± 98	7 ± 22	19 ± 32	21 ± 40	13 ± 24
CD120b + STAT3	4 ± 7	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD120b + TIA1	1 ± 2	0 ± 1	0 ± 1	1 ± 3	1 ± 1
CD120b + Vimentin	22 ± 32	5 ± 15	9 ± 16	12 ± 19	10 ± 17

Tabelle 560: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	2 ± 4	499 ± 1650	103 ± 226	2 ± 5	4 ± 8
CD138 + BCL2	1387 ± 2012	344 ± 376	894 ± 1273	241 ± 196	296 ± 336
CD138 + CCR6	77 ± 93	89 ± 183	109 ± 149	68 ± 66	88 ± 191
CD138 + CD11a	310 ± 643	32 ± 87	90 ± 118	61 ± 88	39 ± 85
CD138 + CD11b	42 ± 72	22 ± 62	23 ± 62	23 ± 62	24 ± 62
CD138 + CD120a	48 ± 37	38 ± 35	56 ± 64	49 ± 53	115 ± 229
CD138 + CD120b	12 ± 21	3 ± 5	6 ± 10	8 ± 22	2 ± 3
CD138 + CD15	9 ± 13	6 ± 9	3 ± 9	18 ± 47	6 ± 10
CD138 + CD1a	176 ± 161	108 ± 119	150 ± 313	111 ± 100	225 ± 306
CD138 + CD2	378 ± 762	34 ± 89	139 ± 190	81 ± 110	66 ± 88
CD138 + CD207	164 ± 127	123 ± 101	179 ± 122	165 ± 140	172 ± 132
CD138 + CD24	55 ± 169	53 ± 170	54 ± 169	53 ± 170	92 ± 188
CD138 + CD28	251 ± 712	8 ± 22	18 ± 28	15 ± 28	11 ± 23
CD138 + CD29	12090 ± 13647	3237 ± 2918	5240 ± 4724	3850 ± 2995	4191 ± 3492
CD138 + CD3	327 ± 611	44 ± 128	142 ± 215	130 ± 215	71 ± 145
CD138 + CD31	2 ± 4	7 ± 20	49 ± 162	4 ± 13	0 ± 1
CD138 + CD4	221 ± 652	13 ± 39	20 ± 39	23 ± 44	15 ± 39
CD138 + CD44	11211 ± 12556	2760 ± 2683	7148 ± 7589	5356 ± 3806	5066 ± 5190
CD138 + CD45	338 ± 896	10 ± 28	71 ± 105	102 ± 274	29 ± 49
CD138 + CD45RA	68 ± 121	16 ± 42	27 ± 44	24 ± 44	17 ± 42
CD138 + CD45RO	209 ± 555	12 ± 38	48 ± 64	43 ± 65	46 ± 76
CD138 + CD52	24 ± 50	3 ± 6	5 ± 8	175 ± 568	4 ± 6
CD138 + CD54	1089 ± 2074	138 ± 452	206 ± 482	229 ± 492	163 ± 448
CD138 + CD56	10 ± 14	132 ± 361	125 ± 260	7 ± 10	16 ± 35
CD138 + CD58	4238 ± 7978	994 ± 1288	1250 ± 1930	1679 ± 2349	1761 ± 2753
CD138 + CD62E	9 ± 15	7 ± 15	4 ± 11	4 ± 12	4 ± 12
CD138 + CD62P	8 ± 20	14 ± 30	6 ± 21	10 ± 23	9 ± 22
CD138 + CD68	254 ± 211	272 ± 196	227 ± 144	240 ± 262	218 ± 202
CD138 + CD7	294 ± 628	18 ± 55	148 ± 237	112 ± 143	31 ± 56
CD138 + CD8a	123 ± 161	17 ± 44	47 ± 66	33 ± 47	37 ± 54
CD138 + CK14	19593 ± 18609	5791 ± 4193	12436 ± 12279	8963 ± 5601	8766 ± 7228
CD138 + CLA	178 ± 205	31 ± 63	85 ± 97	64 ± 60	68 ± 77
CD138 + c-myc	2552 ± 2486	1775 ± 3572	1215 ± 903	912 ± 530	850 ± 436
CD138 + Collagen IV	722 ± 1295	224 ± 284	347 ± 386	304 ± 308	190 ± 222
CD138 + FXIIIA	9 ± 24	4 ± 9	27 ± 55	3 ± 7	8 ± 18
CD138 + HLA-DR	5302 ± 7353	1345 ± 1466	1810 ± 2178	2039 ± 2681	1599 ± 2050
CD138 + IL-22R	1296 ± 698	894 ± 713	919 ± 1000	882 ± 695	1028 ± 652
CD138 + IL-23R	718 ± 815	817 ± 1353	179 ± 453	442 ± 566	252 ± 447
CD138 + Ki67	727 ± 712	319 ± 424	606 ± 815	277 ± 275	396 ± 492
CD138 + PI	5449 ± 4894	2305 ± 1844	3935 ± 3972	2587 ± 1840	3333 ± 3435
CD138 + Podoplanin	3221 ± 7212	600 ± 1183	603 ± 1020	1599 ± 2979	352 ± 967
CD138 + SNA1	5013 ± 9512	568 ± 807	862 ± 1268	479 ± 536	657 ± 1003
CD138 + STAT3	1844 ± 1939	2158 ± 3130	838 ± 1230	954 ± 1027	755 ± 624
CD138 + TIA1	20 ± 31	14 ± 32	28 ± 60	6 ± 8	5 ± 6
CD138 + Vimentin	1959 ± 1869	670 ± 667	1071 ± 880	904 ± 663	757 ± 706

Tabelle 561: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	10 ± 23	19 ± 43	7 ± 22	11 ± 25	11 ± 23
CD15 + CCR6	1 ± 4	2 ± 4	1 ± 4	4 ± 8	2 ± 5
CD15 + CD11a	6 ± 12	0 ± 0	0 ± 0	6 ± 15	0 ± 0
CD15 + CD11b	20 ± 39	2 ± 6	2 ± 6	66 ± 173	2 ± 6
CD15 + CD120a	1 ± 1	3 ± 8	0 ± 1	1 ± 2	1 ± 2
CD15 + CD120b	4 ± 13	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD15 + CD138	9 ± 13	6 ± 9	3 ± 9	18 ± 47	6 ± 10
CD15 + CD1a	2 ± 3	5 ± 13	1 ± 2	2 ± 4	3 ± 3
CD15 + CD2	3 ± 5	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD15 + CD207	2 ± 3	7 ± 19	1 ± 2	3 ± 6	2 ± 4
CD15 + CD24	6 ± 13	1 ± 2	1 ± 3	37 ± 101	1 ± 2
CD15 + CD28	3 ± 7	0 ± 1	0 ± 0	2 ± 6	0 ± 0
CD15 + CD29	38 ± 47	20 ± 38	7 ± 13	42 ± 70	10 ± 12
CD15 + CD3	3 ± 8	0 ± 0	0 ± 0	8 ± 26	0 ± 1
CD15 + CD31	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	3 ± 9	0 ± 0	0 ± 0	4 ± 12	0 ± 0
CD15 + CD44	20 ± 23	9 ± 14	6 ± 11	47 ± 79	8 ± 11
CD15 + CD45	7 ± 15	1 ± 2	0 ± 1	14 ± 43	0 ± 0
CD15 + CD45RA	2 ± 5	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD15 + CD45RO	6 ± 15	0 ± 0	0 ± 1	10 ± 30	1 ± 2
CD15 + CD52	1 ± 4	0 ± 0	0 ± 0	13 ± 43	0 ± 0
CD15 + CD54	11 ± 22	0 ± 0	0 ± 0	3 ± 8	0 ± 0
CD15 + CD56	0 ± 0	1 ± 3	0 ± 0	1 ± 3	0 ± 0
CD15 + CD58	4 ± 6	5 ± 12	1 ± 2	6 ± 15	2 ± 2
CD15 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD68	11 ± 23	31 ± 76	8 ± 22	23 ± 43	11 ± 22
CD15 + CD7	4 ± 7	0 ± 1	0 ± 1	4 ± 8	0 ± 1
CD15 + CD8a	2 ± 5	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + CK14	29 ± 44	39 ± 82	12 ± 24	73 ± 124	19 ± 29
CD15 + CLA	8 ± 13	3 ± 6	2 ± 4	10 ± 20	2 ± 4
CD15 + c-myc	33 ± 41	13 ± 19	8 ± 16	99 ± 175	10 ± 16
CD15 + Collagen IV	28 ± 42	10 ± 18	7 ± 14	68 ± 111	8 ± 14
CD15 + FXIIIA	0 ± 0	0 ± 0	0 ± 1	1 ± 3	0 ± 0
CD15 + HLA-DR	26 ± 31	7 ± 12	4 ± 8	44 ± 93	7 ± 8
CD15 + IL-22R	1 ± 2	5 ± 12	1 ± 2	2 ± 3	2 ± 2
CD15 + IL-23R	3 ± 7	3 ± 7	2 ± 7	4 ± 7	3 ± 7
CD15 + Ki67	0 ± 0	4 ± 14	0 ± 0	1 ± 2	0 ± 0
CD15 + PI	8 ± 12	22 ± 59	3 ± 7	16 ± 26	5 ± 8
CD15 + Podoplanin	3 ± 6	1 ± 3	0 ± 0	5 ± 12	0 ± 0
CD15 + SNA1	42 ± 56	10 ± 17	7 ± 12	89 ± 163	9 ± 11
CD15 + STAT3	2 ± 4	3 ± 5	1 ± 2	1 ± 2	1 ± 2
CD15 + TIA1	7 ± 17	3 ± 7	3 ± 7	34 ± 95	2 ± 7
CD15 + Vimentin	20 ± 39	36 ± 84	11 ± 32	35 ± 73	18 ± 34

Tabelle 562: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	9 ± 11	26 ± 72	15 ± 41	2 ± 2	22 ± 43
CD1a + CCR6	4 ± 6	4 ± 10	6 ± 14	7 ± 8	6 ± 7
CD1a + CD11a	18 ± 35	8 ± 23	12 ± 26	16 ± 31	9 ± 23
CD1a + CD11b	6 ± 18	6 ± 18	6 ± 18	6 ± 18	6 ± 18
CD1a + CD120a	13 ± 13	25 ± 40	29 ± 58	26 ± 30	32 ± 41
CD1a + CD120b	1 ± 2	0 ± 1	1 ± 3	1 ± 2	0 ± 0
CD1a + CD138	176 ± 161	108 ± 119	150 ± 313	111 ± 100	225 ± 306
CD1a + CD15	2 ± 3	5 ± 13	1 ± 2	2 ± 4	3 ± 3
CD1a + CD2	16 ± 27	6 ± 15	15 ± 31	10 ± 18	18 ± 23
CD1a + CD207	80 ± 73	70 ± 81	65 ± 81	136 ± 197	184 ± 285
CD1a + CD24	1 ± 2	0 ± 1	1 ± 1	0 ± 1	5 ± 15
CD1a + CD28	13 ± 28	2 ± 6	3 ± 6	2 ± 6	2 ± 6
CD1a + CD29	125 ± 144	98 ± 124	88 ± 173	119 ± 196	214 ± 354
CD1a + CD3	22 ± 36	10 ± 30	13 ± 30	16 ± 31	24 ± 40
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	14 ± 31	5 ± 15	7 ± 17	18 ± 43	6 ± 15
CD1a + CD44	150 ± 140	113 ± 135	127 ± 218	180 ± 220	293 ± 417
CD1a + CD45	31 ± 64	8 ± 21	25 ± 52	37 ± 77	15 ± 22
CD1a + CD45RA	6 ± 12	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD1a + CD45RO	17 ± 37	7 ± 23	12 ± 24	23 ± 39	25 ± 47
CD1a + CD52	1 ± 2	0 ± 0	0 ± 0	2 ± 8	1 ± 2
CD1a + CD54	48 ± 92	23 ± 76	28 ± 76	48 ± 106	23 ± 76
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	75 ± 77	99 ± 120	112 ± 276	53 ± 55	218 ± 359
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	19 ± 27	35 ± 45	18 ± 26	22 ± 28	30 ± 42
CD1a + CD7	12 ± 20	5 ± 16	13 ± 29	17 ± 29	6 ± 16
CD1a + CD8a	3 ± 6	2 ± 6	4 ± 9	4 ± 7	4 ± 7
CD1a + CK14	195 ± 165	159 ± 171	186 ± 367	180 ± 176	401 ± 597
CD1a + CLA	30 ± 34	8 ± 12	12 ± 15	17 ± 24	28 ± 41
CD1a + c-myc	37 ± 48	46 ± 73	26 ± 36	32 ± 43	55 ± 70
CD1a + Collagen IV	7 ± 15	6 ± 10	8 ± 19	3 ± 7	4 ± 7
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	149 ± 134	94 ± 116	68 ± 66	104 ± 84	235 ± 326
CD1a + IL-22R	35 ± 35	56 ± 73	14 ± 14	39 ± 61	49 ± 50
CD1a + IL-23R	32 ± 51	71 ± 120	17 ± 38	36 ± 44	30 ± 38
CD1a + Ki67	3 ± 4	6 ± 11	8 ± 21	2 ± 4	4 ± 7
CD1a + PI	39 ± 49	51 ± 74	38 ± 78	35 ± 34	150 ± 258
CD1a + Podoplanin	21 ± 54	5 ± 16	5 ± 16	27 ± 64	6 ± 16
CD1a + SNA1	45 ± 68	33 ± 55	24 ± 39	29 ± 51	84 ± 170
CD1a + STAT3	59 ± 100	80 ± 117	20 ± 38	39 ± 49	46 ± 63
CD1a + TIA1	0 ± 0	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD1a + Vimentin	82 ± 79	63 ± 67	66 ± 95	83 ± 78	161 ± 210

Tabelle 563: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + BCL2	120 ± 207	21 ± 39	72 ± 86	43 ± 47	46 ± 40
CD2 + CCR6	50 ± 90	10 ± 31	19 ± 35	35 ± 49	24 ± 33
CD2 + CD11a	423 ± 897	84 ± 194	211 ± 272	182 ± 278	114 ± 185
CD2 + CD11b	39 ± 79	16 ± 52	17 ± 51	18 ± 51	19 ± 51
CD2 + CD120a	3 ± 4	2 ± 3	7 ± 17	3 ± 5	7 ± 12
CD2 + CD120b	18 ± 29	4 ± 13	6 ± 12	16 ± 35	8 ± 13
CD2 + CD138	378 ± 762	34 ± 89	139 ± 190	81 ± 110	66 ± 88
CD2 + CD15	3 ± 5	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD2 + CD1a	16 ± 27	6 ± 15	15 ± 31	10 ± 18	18 ± 23
CD2 + CD207	17 ± 31	7 ± 14	17 ± 20	15 ± 19	17 ± 23
CD2 + CD24	4 ± 11	3 ± 10	3 ± 10	4 ± 10	4 ± 10
CD2 + CD28	274 ± 749	22 ± 61	40 ± 69	41 ± 72	31 ± 61
CD2 + CD29	678 ± 1270	113 ± 291	312 ± 414	235 ± 355	186 ± 274
CD2 + CD3	420 ± 784	95 ± 233	187 ± 253	262 ± 414	156 ± 234
CD2 + CD31	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD2 + CD4	286 ± 779	38 ± 108	54 ± 106	104 ± 208	47 ± 106
CD2 + CD44	530 ± 1014	86 ± 197	250 ± 315	281 ± 429	157 ± 201
CD2 + CD45	405 ± 1015	40 ± 95	154 ± 213	135 ± 273	63 ± 97
CD2 + CD45RA	53 ± 82	21 ± 40	31 ± 41	40 ± 67	23 ± 39
CD2 + CD45RO	348 ± 913	37 ± 119	117 ± 164	108 ± 178	79 ± 134
CD2 + CD52	49 ± 101	10 ± 24	18 ± 35	58 ± 149	14 ± 23
CD2 + CD54	324 ± 813	47 ± 156	106 ± 231	84 ± 185	50 ± 156
CD2 + CD56	6 ± 11	0 ± 0	4 ± 13	5 ± 12	1 ± 2
CD2 + CD58	158 ± 263	45 ± 142	66 ± 149	101 ± 199	82 ± 152
CD2 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD62P	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD68	102 ± 160	71 ± 152	118 ± 172	83 ± 147	95 ± 143
CD2 + CD7	336 ± 749	43 ± 110	191 ± 286	159 ± 273	71 ± 110
CD2 + CD8a	172 ± 193	56 ± 108	107 ± 119	109 ± 151	104 ± 107
CD2 + CK14	704 ± 1187	148 ± 276	418 ± 476	335 ± 381	278 ± 240
CD2 + CLA	134 ± 201	46 ± 80	84 ± 87	87 ± 81	80 ± 70
CD2 + c-myc	160 ± 235	32 ± 71	68 ± 81	118 ± 228	62 ± 69
CD2 + Collagen IV	93 ± 138	25 ± 46	66 ± 80	58 ± 79	47 ± 49
CD2 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	3 ± 9	2 ± 4
CD2 + HLA-DR	392 ± 687	75 ± 191	135 ± 195	147 ± 214	119 ± 191
CD2 + IL-22R	16 ± 19	8 ± 17	10 ± 17	11 ± 17	12 ± 17
CD2 + IL-23R	6 ± 9	3 ± 7	3 ± 7	10 ± 15	4 ± 7
CD2 + Ki67	16 ± 22	5 ± 12	12 ± 17	7 ± 12	8 ± 12
CD2 + PI	496 ± 979	85 ± 160	253 ± 294	179 ± 196	179 ± 152
CD2 + Podoplanin	99 ± 187	11 ± 38	17 ± 39	100 ± 255	12 ± 38
CD2 + SNA1	398 ± 773	40 ± 80	108 ± 122	121 ± 202	82 ± 82
CD2 + STAT3	15 ± 23	3 ± 6	2 ± 7	9 ± 15	5 ± 9
CD2 + TIA1	39 ± 42	12 ± 27	29 ± 36	26 ± 39	16 ± 26
CD2 + Vimentin	453 ± 784	109 ± 268	268 ± 335	208 ± 299	184 ± 256

Tabelle 564: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 1	0 ± 1	0 ± 0	0 ± 0
CD207 + BCL2	13 ± 19	59 ± 173	13 ± 18	7 ± 9	26 ± 52
CD207 + CCR6	5 ± 11	5 ± 9	3 ± 5	13 ± 22	7 ± 10
CD207 + CD11a	24 ± 50	8 ± 19	13 ± 19	18 ± 31	10 ± 19
CD207 + CD11b	3 ± 5	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD207 + CD120a	19 ± 16	26 ± 27	40 ± 52	40 ± 44	39 ± 49
CD207 + CD120b	0 ± 1	0 ± 1	1 ± 1	1 ± 2	0 ± 0
CD207 + CD138	164 ± 127	123 ± 101	179 ± 122	165 ± 140	172 ± 132
CD207 + CD15	2 ± 3	7 ± 19	1 ± 2	3 ± 6	2 ± 4
CD207 + CD1a	80 ± 73	70 ± 81	65 ± 81	136 ± 197	184 ± 285
CD207 + CD2	17 ± 31	7 ± 14	17 ± 20	15 ± 19	17 ± 23
CD207 + CD24	0 ± 1	0 ± 1	1 ± 1	0 ± 1	1 ± 2
CD207 + CD28	11 ± 31	1 ± 3	3 ± 4	2 ± 4	1 ± 3
CD207 + CD29	137 ± 148	118 ± 121	130 ± 111	188 ± 232	185 ± 252
CD207 + CD3	15 ± 24	6 ± 13	12 ± 16	17 ± 24	17 ± 25
CD207 + CD31	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD4	16 ± 42	3 ± 6	5 ± 7	13 ± 30	4 ± 7
CD207 + CD44	162 ± 147	136 ± 95	172 ± 95	290 ± 292	234 ± 263
CD207 + CD45	35 ± 83	5 ± 9	22 ± 29	34 ± 74	10 ± 11
CD207 + CD45RA	8 ± 22	1 ± 5	1 ± 5	2 ± 5	1 ± 5
CD207 + CD45RO	16 ± 46	1 ± 5	15 ± 21	15 ± 26	12 ± 23
CD207 + CD52	1 ± 2	0 ± 0	0 ± 0	4 ± 10	1 ± 2
CD207 + CD54	40 ± 89	6 ± 20	14 ± 27	27 ± 66	6 ± 19
CD207 + CD56	0 ± 0	0 ± 1	0 ± 1	0 ± 0	0 ± 0
CD207 + CD58	41 ± 22	88 ± 162	46 ± 66	56 ± 50	110 ± 158
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	31 ± 32	59 ± 67	29 ± 21	33 ± 32	33 ± 38
CD207 + CD7	8 ± 16	3 ± 8	11 ± 22	26 ± 48	4 ± 8
CD207 + CD8a	3 ± 5	2 ± 5	2 ± 5	6 ± 9	3 ± 5
CD207 + CK14	221 ± 135	267 ± 303	293 ± 173	351 ± 269	379 ± 408
CD207 + CLA	40 ± 41	13 ± 19	37 ± 51	29 ± 32	31 ± 38
CD207 + c-myc	35 ± 34	89 ± 156	47 ± 53	43 ± 36	52 ± 59
CD207 + Collagen IV	4 ± 6	4 ± 6	7 ± 8	7 ± 9	4 ± 9
CD207 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	191 ± 134	133 ± 72	183 ± 136	217 ± 174	232 ± 192
CD207 + IL-22R	47 ± 47	98 ± 145	39 ± 48	68 ± 76	67 ± 56
CD207 + IL-23R	25 ± 36	41 ± 58	13 ± 25	31 ± 41	21 ± 25
CD207 + Ki67	8 ± 9	19 ± 28	15 ± 16	11 ± 13	13 ± 21
CD207 + PI	82 ± 104	118 ± 182	90 ± 70	106 ± 98	161 ± 210
CD207 + Podoplanin	9 ± 14	2 ± 4	3 ± 4	39 ± 82	2 ± 4
CD207 + SNA1	53 ± 101	31 ± 51	37 ± 47	38 ± 59	45 ± 78
CD207 + STAT3	43 ± 69	84 ± 133	32 ± 40	42 ± 45	38 ± 57
CD207 + TIA1	0 ± 0	0 ± 1	0 ± 0	0 ± 1	0 ± 0
CD207 + Vimentin	123 ± 119	101 ± 66	135 ± 87	148 ± 130	170 ± 170

Tabelle 565: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	1 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 5
CD24 + CCR6	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD24 + CD11a	6 ± 8	3 ± 6	4 ± 6	9 ± 15	3 ± 6
CD24 + CD11b	10 ± 28	9 ± 28	9 ± 28	51 ± 117	9 ± 28
CD24 + CD120a	1 ± 1	0 ± 1	1 ± 1	3 ± 8	1 ± 1
CD24 + CD120b	30 ± 52	5 ± 18	11 ± 22	10 ± 18	7 ± 17
CD24 + CD138	55 ± 169	53 ± 170	54 ± 169	53 ± 170	92 ± 188
CD24 + CD15	6 ± 13	1 ± 2	1 ± 3	37 ± 101	1 ± 2
CD24 + CD1a	1 ± 2	0 ± 1	1 ± 1	0 ± 1	5 ± 15
CD24 + CD2	4 ± 11	3 ± 10	3 ± 10	4 ± 10	4 ± 10
CD24 + CD207	0 ± 1	0 ± 1	1 ± 1	0 ± 1	1 ± 2
CD24 + CD28	5 ± 11	1 ± 3	2 ± 3	5 ± 9	2 ± 3
CD24 + CD29	77 ± 153	47 ± 151	54 ± 150	66 ± 148	87 ± 168
CD24 + CD3	9 ± 19	3 ± 12	6 ± 13	11 ± 19	4 ± 12
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	4 ± 11	3 ± 11	3 ± 11	8 ± 14	4 ± 11
CD24 + CD44	79 ± 168	50 ± 165	59 ± 164	79 ± 166	95 ± 188
CD24 + CD45	10 ± 23	2 ± 6	3 ± 6	14 ± 32	2 ± 6
CD24 + CD45RA	11 ± 18	4 ± 11	5 ± 11	5 ± 11	4 ± 11
CD24 + CD45RO	5 ± 12	4 ± 12	4 ± 12	11 ± 22	5 ± 12
CD24 + CD52	2 ± 5	1 ± 2	1 ± 3	11 ± 34	1 ± 2
CD24 + CD54	36 ± 83	25 ± 83	26 ± 83	31 ± 83	26 ± 83
CD24 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD58	9 ± 22	7 ± 23	7 ± 23	13 ± 25	16 ± 29
CD24 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	2 ± 6
CD24 + CD68	5 ± 13	4 ± 13	4 ± 13	7 ± 13	5 ± 13
CD24 + CD7	5 ± 11	1 ± 4	3 ± 6	3 ± 5	1 ± 4
CD24 + CD8a	3 ± 9	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD24 + CK14	64 ± 169	54 ± 171	59 ± 170	74 ± 168	101 ± 195
CD24 + CLA	2 ± 3	1 ± 3	1 ± 3	6 ± 16	3 ± 5
CD24 + c-myc	23 ± 32	8 ± 21	9 ± 21	42 ± 90	10 ± 21
CD24 + Collagen IV	15 ± 23	6 ± 19	9 ± 20	27 ± 50	7 ± 19
CD24 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD24 + HLA-DR	48 ± 86	25 ± 78	30 ± 77	41 ± 78	47 ± 93
CD24 + IL-22R	6 ± 16	5 ± 16	5 ± 16	5 ± 16	5 ± 16
CD24 + IL-23R	3 ± 6	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD24 + Ki67	5 ± 13	4 ± 13	4 ± 13	5 ± 13	10 ± 21
CD24 + PI	23 ± 46	5 ± 12	7 ± 15	8 ± 12	36 ± 95
CD24 + Podoplanin	36 ± 113	34 ± 113	34 ± 113	39 ± 112	36 ± 113
CD24 + SNA1	33 ± 54	9 ± 29	15 ± 30	45 ± 89	34 ± 77
CD24 + STAT3	5 ± 11	1 ± 2	0 ± 0	1 ± 3	0 ± 0
CD24 + TIA1	2 ± 4	1 ± 2	1 ± 3	28 ± 81	1 ± 2
CD24 + Vimentin	11 ± 31	9 ± 31	10 ± 31	11 ± 30	17 ± 34

Tabelle 566: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + BCL2	38 ± 84	2 ± 4	9 ± 15	4 ± 5	2 ± 4
CD28 + CCR6	30 ± 60	6 ± 19	7 ± 19	11 ± 20	8 ± 19
CD28 + CD11a	309 ± 828	23 ± 62	50 ± 80	52 ± 77	29 ± 62
CD28 + CD11b	19 ± 46	4 ± 13	4 ± 13	6 ± 13	5 ± 13
CD28 + CD120a	4 ± 6	3 ± 8	2 ± 3	7 ± 15	1 ± 3
CD28 + CD120b	22 ± 36	3 ± 7	5 ± 9	20 ± 51	7 ± 15
CD28 + CD138	251 ± 712	8 ± 22	18 ± 28	15 ± 28	11 ± 23
CD28 + CD15	3 ± 7	0 ± 1	0 ± 0	2 ± 6	0 ± 0
CD28 + CD1a	13 ± 28	2 ± 6	3 ± 6	2 ± 6	2 ± 6
CD28 + CD2	274 ± 749	22 ± 61	40 ± 69	41 ± 72	31 ± 61
CD28 + CD207	11 ± 31	1 ± 3	3 ± 4	2 ± 4	1 ± 3
CD28 + CD24	5 ± 11	1 ± 3	2 ± 3	5 ± 9	2 ± 3
CD28 + CD29	388 ± 1032	24 ± 66	44 ± 72	59 ± 104	27 ± 66
CD28 + CD3	313 ± 767	25 ± 68	59 ± 98	84 ± 142	43 ± 76
CD28 + CD31	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD4	282 ± 801	17 ± 49	33 ± 62	45 ± 71	26 ± 52
CD28 + CD44	384 ± 1000	24 ± 63	55 ± 87	74 ± 117	37 ± 69
CD28 + CD45	330 ± 928	15 ± 40	46 ± 78	66 ± 130	21 ± 42
CD28 + CD45RA	24 ± 68	2 ± 5	3 ± 6	4 ± 7	3 ± 6
CD28 + CD45RO	231 ± 659	15 ± 47	35 ± 62	32 ± 56	23 ± 51
CD28 + CD52	37 ± 86	6 ± 14	11 ± 22	29 ± 71	6 ± 14
CD28 + CD54	277 ± 805	14 ± 47	16 ± 46	30 ± 53	16 ± 46
CD28 + CD56	0 ± 0	0 ± 0	0 ± 1	2 ± 4	0 ± 0
CD28 + CD58	73 ± 122	12 ± 39	14 ± 38	47 ± 97	21 ± 45
CD28 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD28 + CD68	33 ± 69	15 ± 35	15 ± 35	14 ± 35	15 ± 35
CD28 + CD7	241 ± 649	14 ± 42	39 ± 62	54 ± 110	23 ± 46
CD28 + CD8a	38 ± 63	5 ± 11	14 ± 29	10 ± 17	9 ± 14
CD28 + CK14	375 ± 999	28 ± 59	60 ± 90	61 ± 92	42 ± 64
CD28 + CLA	47 ± 113	9 ± 23	11 ± 22	14 ± 25	12 ± 23
CD28 + c-myc	90 ± 188	5 ± 13	16 ± 29	31 ± 62	17 ± 26
CD28 + Collagen IV	69 ± 130	5 ± 9	14 ± 25	18 ± 28	14 ± 20
CD28 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD28 + HLA-DR	294 ± 720	21 ± 55	36 ± 59	42 ± 58	31 ± 60
CD28 + IL-22R	10 ± 23	4 ± 8	3 ± 4	4 ± 6	2 ± 4
CD28 + IL-23R	3 ± 8	0 ± 0	1 ± 1	2 ± 6	0 ± 0
CD28 + Ki67	6 ± 12	1 ± 3	2 ± 3	2 ± 3	1 ± 3
CD28 + PI	272 ± 743	15 ± 30	37 ± 65	26 ± 33	21 ± 36
CD28 + Podoplanin	34 ± 71	2 ± 6	3 ± 7	33 ± 92	2 ± 6
CD28 + SNA1	269 ± 668	9 ± 21	25 ± 38	30 ± 47	21 ± 32
CD28 + STAT3	11 ± 31	0 ± 1	0 ± 0	0 ± 1	0 ± 0
CD28 + TIA1	4 ± 6	1 ± 2	2 ± 6	2 ± 4	1 ± 3
CD28 + Vimentin	190 ± 475	21 ± 59	32 ± 59	28 ± 58	29 ± 59

Tabelle 567: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	18 ± 24	313 ± 1014	111 ± 220	13 ± 24	8 ± 14
CD29 + BCL2	2215 ± 2311	576 ± 549	1035 ± 1093	596 ± 461	770 ± 469
CD29 + CCR6	120 ± 157	81 ± 156	100 ± 134	128 ± 137	105 ± 160
CD29 + CD11a	628 ± 1214	103 ± 284	240 ± 324	221 ± 307	127 ± 277
CD29 + CD11b	144 ± 227	73 ± 203	79 ± 201	102 ± 208	79 ± 201
CD29 + CD120a	51 ± 32	51 ± 56	50 ± 55	53 ± 32	92 ± 158
CD29 + CD120b	66 ± 93	10 ± 26	22 ± 38	50 ± 106	11 ± 26
CD29 + CD138	12090 ± 13647	3237 ± 2918	5240 ± 4724	3850 ± 2995	4191 ± 3492
CD29 + CD15	38 ± 47	20 ± 38	7 ± 13	42 ± 70	10 ± 12
CD29 + CD1a	125 ± 144	98 ± 124	88 ± 173	119 ± 196	214 ± 354
CD29 + CD2	678 ± 1270	113 ± 291	312 ± 414	235 ± 355	186 ± 274
CD29 + CD207	137 ± 148	118 ± 121	130 ± 111	188 ± 232	185 ± 252
CD29 + CD24	77 ± 153	47 ± 151	54 ± 150	66 ± 148	87 ± 168
CD29 + CD28	388 ± 1032	24 ± 66	44 ± 72	59 ± 104	27 ± 66
CD29 + CD3	557 ± 970	111 ± 327	259 ± 393	415 ± 725	196 ± 344
CD29 + CD31	78 ± 102	20 ± 33	67 ± 156	65 ± 118	17 ± 30
CD29 + CD4	434 ± 1148	60 ± 179	80 ± 175	131 ± 251	62 ± 178
CD29 + CD44	10241 ± 11788	2859 ± 3883	4949 ± 4775	5616 ± 6180	4728 ± 4610
CD29 + CD45	589 ± 1447	39 ± 110	165 ± 228	327 ± 825	59 ± 112
CD29 + CD45RA	169 ± 272	51 ± 136	73 ± 133	82 ± 143	58 ± 134
CD29 + CD45RO	394 ± 987	42 ± 131	127 ± 173	139 ± 218	96 ± 152
CD29 + CD52	45 ± 87	8 ± 20	13 ± 24	285 ± 900	11 ± 19
CD29 + CD54	1768 ± 3190	290 ± 944	391 ± 961	532 ± 1042	370 ± 935
CD29 + CD56	32 ± 35	158 ± 346	145 ± 252	29 ± 52	30 ± 34
CD29 + CD58	4070 ± 7157	1175 ± 2191	1063 ± 2228	2071 ± 3246	2126 ± 3155
CD29 + CD62E	14 ± 32	5 ± 13	7 ± 16	4 ± 13	4 ± 13
CD29 + CD62P	12 ± 25	17 ± 31	10 ± 25	27 ± 61	11 ± 25
CD29 + CD68	1037 ± 1022	1112 ± 936	1018 ± 971	1003 ± 1074	1053 ± 1044
CD29 + CD7	510 ± 985	65 ± 204	287 ± 395	374 ± 594	95 ± 202
CD29 + CD8a	243 ± 266	67 ± 171	113 ± 169	121 ± 184	126 ± 169
CD29 + CK14	19407 ± 15938	7630 ± 7166	10889 ± 8431	11691 ± 9607	11115 ± 7797
CD29 + CLA	278 ± 328	76 ± 157	149 ± 174	171 ± 168	152 ± 154
CD29 + c-myc	5537 ± 4722	2204 ± 3114	2518 ± 2853	3124 ± 3641	2759 ± 3074
CD29 + Collagen IV	2613 ± 2926	1241 ± 1981	1590 ± 1936	2097 ± 2374	1445 ± 1953
CD29 + FXIIIA	25 ± 60	22 ± 61	47 ± 75	23 ± 61	25 ± 60
CD29 + HLA-DR	5787 ± 7204	1796 ± 2457	1986 ± 2720	2148 ± 2606	2080 ± 2650
CD29 + IL-22R	942 ± 896	905 ± 967	710 ± 999	763 ± 955	939 ± 909
CD29 + IL-23R	386 ± 743	574 ± 1045	80 ± 135	292 ± 358	112 ± 126
CD29 + Ki67	780 ± 821	349 ± 479	405 ± 504	297 ± 417	376 ± 410
CD29 + PI	6429 ± 5879	2697 ± 2285	3614 ± 3007	3443 ± 2487	4065 ± 2909
CD29 + Podoplanin	3831 ± 7056	843 ± 1686	823 ± 1644	2898 ± 5449	591 ± 1633
CD29 + SNA1	7816 ± 10989	1575 ± 1818	2309 ± 2348	2250 ± 2368	1994 ± 2039
CD29 + STAT3	769 ± 1017	1529 ± 2267	527 ± 839	471 ± 556	278 ± 321
CD29 + TIA1	49 ± 71	22 ± 38	43 ± 59	34 ± 56	16 ± 28
CD29 + Vimentin	3372 ± 2729	1550 ± 1745	2006 ± 1789	2204 ± 1749	1934 ± 1804

Tabelle 568: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + BCL2	77 ± 122	13 ± 25	54 ± 86	49 ± 56	32 ± 41
CD3 + CCR6	50 ± 80	11 ± 33	20 ± 38	49 ± 73	27 ± 42
CD3 + CD11a	428 ± 835	88 ± 226	200 ± 275	263 ± 389	119 ± 223
CD3 + CD11b	38 ± 71	18 ± 60	19 ± 60	29 ± 64	26 ± 61
CD3 + CD120a	2 ± 4	0 ± 1	2 ± 2	9 ± 18	2 ± 3
CD3 + CD120b	31 ± 42	5 ± 17	16 ± 29	48 ± 112	14 ± 23
CD3 + CD138	327 ± 611	44 ± 128	142 ± 215	130 ± 215	71 ± 145
CD3 + CD15	3 ± 8	0 ± 0	0 ± 0	8 ± 26	0 ± 1
CD3 + CD1a	22 ± 36	10 ± 30	13 ± 30	16 ± 31	24 ± 40
CD3 + CD2	420 ± 784	95 ± 233	187 ± 253	262 ± 414	156 ± 234
CD3 + CD207	15 ± 24	6 ± 13	12 ± 16	17 ± 24	17 ± 25
CD3 + CD24	9 ± 19	3 ± 12	6 ± 13	11 ± 19	4 ± 12
CD3 + CD28	313 ± 767	25 ± 68	59 ± 98	84 ± 142	43 ± 76
CD3 + CD29	557 ± 970	111 ± 327	259 ± 393	415 ± 725	196 ± 344
CD3 + CD31	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD3 + CD4	292 ± 715	44 ± 122	80 ± 131	174 ± 347	60 ± 123
CD3 + CD44	557 ± 966	107 ± 283	302 ± 446	581 ± 1012	212 ± 341
CD3 + CD45	377 ± 856	45 ± 114	159 ± 234	286 ± 646	64 ± 117
CD3 + CD45RA	48 ± 77	24 ± 58	32 ± 59	49 ± 84	31 ± 57
CD3 + CD45RO	259 ± 611	37 ± 120	103 ± 162	137 ± 220	86 ± 154
CD3 + CD52	45 ± 93	10 ± 24	22 ± 46	139 ± 405	13 ± 23
CD3 + CD54	301 ± 645	63 ± 208	74 ± 206	152 ± 279	72 ± 207
CD3 + CD56	0 ± 0	0 ± 0	2 ± 4	4 ± 10	2 ± 6
CD3 + CD58	184 ± 327	54 ± 171	62 ± 170	257 ± 543	137 ± 250
CD3 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD62P	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD68	75 ± 135	54 ± 133	67 ± 130	70 ± 128	69 ± 131
CD3 + CD7	329 ± 669	56 ± 166	180 ± 248	366 ± 686	101 ± 180
CD3 + CD8a	125 ± 143	46 ± 104	102 ± 134	134 ± 203	95 ± 137
CD3 + CK14	592 ± 941	141 ± 349	384 ± 535	559 ± 855	306 ± 426
CD3 + CLA	111 ± 156	41 ± 87	72 ± 92	106 ± 123	75 ± 92
CD3 + c-myc	145 ± 208	22 ± 56	74 ± 120	247 ± 574	96 ± 154
CD3 + Collagen IV	99 ± 142	20 ± 48	64 ± 94	145 ± 269	56 ± 96
CD3 + FXIIIA	2 ± 4	1 ± 3	1 ± 3	5 ± 8	1 ± 3
CD3 + HLA-DR	417 ± 649	87 ± 245	195 ± 314	244 ± 337	166 ± 290
CD3 + IL-22R	18 ± 29	10 ± 26	13 ± 27	19 ± 32	11 ± 26
CD3 + IL-23R	4 ± 7	1 ± 2	1 ± 2	11 ± 20	2 ± 5
CD3 + Ki67	16 ± 25	7 ± 21	15 ± 25	9 ± 21	10 ± 21
CD3 + PI	421 ± 775	72 ± 167	231 ± 355	237 ± 307	178 ± 257
CD3 + Podoplanin	120 ± 222	18 ± 61	29 ± 67	311 ± 787	21 ± 61
CD3 + SNA1	367 ± 647	29 ± 74	123 ± 183	216 ± 428	95 ± 159
CD3 + STAT3	13 ± 20	1 ± 3	1 ± 3	8 ± 12	1 ± 3
CD3 + TIA1	28 ± 33	11 ± 26	20 ± 26	29 ± 48	17 ± 26
CD3 + Vimentin	349 ± 573	90 ± 252	177 ± 273	229 ± 318	163 ± 267

Tabelle 569: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	10 ± 14	9 ± 22	40 ± 111	12 ± 31	3 ± 9
CD31 + BCL2	4 ± 7	1 ± 4	4 ± 7	1 ± 4	1 ± 4
CD31 + CCR6	0 ± 0	2 ± 7	17 ± 56	0 ± 0	0 ± 0
CD31 + CD11a	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD31 + CD11b	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD31 + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD31 + CD120b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD138	2 ± 4	7 ± 20	49 ± 162	4 ± 13	0 ± 1
CD31 + CD15	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD29	78 ± 102	20 ± 33	67 ± 156	65 ± 118	17 ± 30
CD31 + CD3	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CD4	18 ± 38	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD31 + CD44	21 ± 35	3 ± 6	3 ± 6	3 ± 6	4 ± 7
CD31 + CD45	4 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD31 + CD45RA	1 ± 2	1 ± 2	2 ± 6	1 ± 2	1 ± 2
CD31 + CD45RO	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD54	67 ± 96	9 ± 21	12 ± 21	81 ± 220	11 ± 21
CD31 + CD56	0 ± 0	3 ± 11	31 ± 103	0 ± 0	0 ± 0
CD31 + CD58	18 ± 28	8 ± 15	18 ± 38	22 ± 43	7 ± 15
CD31 + CD62E	1 ± 4	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD31 + CD62P	2 ± 6	2 ± 6	2 ± 6	28 ± 87	2 ± 6
CD31 + CD68	15 ± 22	11 ± 23	15 ± 23	12 ± 23	14 ± 23
CD31 + CD7	2 ± 4	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CK14	25 ± 43	13 ± 20	55 ± 152	20 ± 30	11 ± 14
CD31 + CLA	0 ± 1	0 ± 0	0 ± 0	1 ± 2	1 ± 2
CD31 + c-myc	48 ± 75	15 ± 31	62 ± 160	14 ± 26	11 ± 26
CD31 + Collagen IV	69 ± 90	15 ± 30	18 ± 29	86 ± 170	19 ± 30
CD31 + FXIIIA	3 ± 10	4 ± 10	17 ± 48	3 ± 10	3 ± 10
CD31 + HLA-DR	49 ± 68	6 ± 11	9 ± 11	8 ± 12	6 ± 11
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	3 ± 9	3 ± 9	3 ± 9	3 ± 9	3 ± 9
CD31 + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + PI	38 ± 51	9 ± 13	37 ± 95	28 ± 60	6 ± 10
CD31 + Podoplanin	0 ± 1	5 ± 15	39 ± 128	0 ± 1	0 ± 1
CD31 + SNA1	80 ± 106	15 ± 28	19 ± 28	76 ± 143	19 ± 28
CD31 + STAT3	0 ± 0	7 ± 21	49 ± 162	0 ± 1	0 ± 0
CD31 + TIA1	0 ± 0	1 ± 4	11 ± 37	1 ± 2	0 ± 0
CD31 + Vimentin	49 ± 58	9 ± 25	15 ± 26	78 ± 210	10 ± 25

Tabelle 570: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	2 ± 4	1 ± 3	2 ± 3	1 ± 3	1 ± 3
CD4 + BCL2	42 ± 99	5 ± 8	12 ± 19	17 ± 33	6 ± 9
CD4 + CCR6	28 ± 62	7 ± 24	8 ± 24	18 ± 33	9 ± 24
CD4 + CD11a	349 ± 896	46 ± 129	77 ± 134	203 ± 456	56 ± 128
CD4 + CD11b	53 ± 103	26 ± 78	27 ± 77	31 ± 77	31 ± 77
CD4 + CD120a	6 ± 8	2 ± 5	3 ± 6	14 ± 28	4 ± 7
CD4 + CD120b	22 ± 37	5 ± 15	7 ± 15	19 ± 42	9 ± 18
CD4 + CD138	221 ± 652	13 ± 39	20 ± 39	23 ± 44	15 ± 39
CD4 + CD15	3 ± 9	0 ± 0	0 ± 0	4 ± 12	0 ± 0
CD4 + CD1a	14 ± 31	5 ± 15	7 ± 17	18 ± 43	6 ± 15
CD4 + CD2	286 ± 779	38 ± 108	54 ± 106	104 ± 208	47 ± 106
CD4 + CD207	16 ± 42	3 ± 6	5 ± 7	13 ± 30	4 ± 7
CD4 + CD24	4 ± 11	3 ± 11	3 ± 11	8 ± 14	4 ± 11
CD4 + CD28	282 ± 801	17 ± 49	33 ± 62	45 ± 71	26 ± 52
CD4 + CD29	434 ± 1148	60 ± 179	80 ± 175	131 ± 251	62 ± 178
CD4 + CD3	292 ± 715	44 ± 122	80 ± 131	174 ± 347	60 ± 123
CD4 + CD31	18 ± 38	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD4 + CD44	392 ± 972	59 ± 157	96 ± 158	242 ± 512	73 ± 155
CD4 + CD45	343 ± 961	27 ± 77	63 ± 101	161 ± 387	36 ± 78
CD4 + CD45RA	38 ± 96	7 ± 23	10 ± 23	55 ± 150	8 ± 23
CD4 + CD45RO	242 ± 664	27 ± 89	50 ± 96	77 ± 156	36 ± 91
CD4 + CD52	35 ± 86	7 ± 19	12 ± 25	43 ± 112	8 ± 18
CD4 + CD54	342 ± 907	49 ± 163	58 ± 161	169 ± 370	54 ± 162
CD4 + CD56	5 ± 11	1 ± 4	3 ± 6	3 ± 5	3 ± 5
CD4 + CD58	71 ± 115	31 ± 100	34 ± 99	84 ± 163	41 ± 101
CD4 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD62P	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD4 + CD68	66 ± 132	44 ± 122	49 ± 120	61 ± 123	48 ± 121
CD4 + CD7	230 ± 605	25 ± 77	50 ± 83	106 ± 232	31 ± 76
CD4 + CD8a	19 ± 38	8 ± 21	14 ± 27	16 ± 31	9 ± 21
CD4 + CK14	408 ± 998	76 ± 193	115 ± 189	209 ± 389	91 ± 189
CD4 + CLA	54 ± 110	17 ± 43	20 ± 42	39 ± 70	21 ± 42
CD4 + c-myc	188 ± 374	49 ± 148	68 ± 147	220 ± 507	64 ± 147
CD4 + Collagen IV	146 ± 262	40 ± 115	60 ± 112	108 ± 202	51 ± 113
CD4 + FXIIIA	6 ± 16	5 ± 16	5 ± 16	7 ± 16	6 ± 16
CD4 + HLA-DR	312 ± 703	57 ± 156	83 ± 153	162 ± 308	69 ± 155
CD4 + IL-22R	9 ± 17	4 ± 11	4 ± 11	6 ± 11	5 ± 11
CD4 + IL-23R	6 ± 11	4 ± 11	3 ± 11	18 ± 43	3 ± 11
CD4 + Ki67	4 ± 8	2 ± 7	3 ± 6	2 ± 7	2 ± 6
CD4 + PI	274 ± 736	31 ± 84	55 ± 91	106 ± 228	40 ± 83
CD4 + Podoplanin	34 ± 61	10 ± 30	10 ± 29	89 ± 237	11 ± 29
CD4 + SNA1	331 ± 795	44 ± 116	81 ± 119	144 ± 287	57 ± 114
CD4 + STAT3	7 ± 21	1 ± 3	0 ± 1	2 ± 4	1 ± 4
CD4 + TIA1	5 ± 10	1 ± 4	3 ± 7	5 ± 13	2 ± 4
CD4 + Vimentin	231 ± 512	58 ± 178	76 ± 174	142 ± 285	68 ± 176

Tabelle 571: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	1 ± 2	15 ± 48	3 ± 6	0 ± 1	1 ± 2
CD44 + BCL2	1075 ± 1414	333 ± 343	835 ± 1046	347 ± 334	358 ± 289
CD44 + CCR6	100 ± 127	25 ± 35	58 ± 52	143 ± 148	112 ± 174
CD44 + CD11a	640 ± 1210	95 ± 242	263 ± 337	410 ± 628	125 ± 240
CD44 + CD11b	149 ± 236	77 ± 233	90 ± 230	129 ± 246	97 ± 230
CD44 + CD120a	51 ± 30	49 ± 52	51 ± 43	96 ± 76	105 ± 170
CD44 + CD120b	68 ± 98	9 ± 25	28 ± 54	50 ± 100	16 ± 27
CD44 + CD138	11211 ± 12556	2760 ± 2683	7148 ± 7589	5356 ± 3806	5066 ± 5190
CD44 + CD15	20 ± 23	9 ± 14	6 ± 11	47 ± 79	8 ± 11
CD44 + CD1a	150 ± 140	113 ± 135	127 ± 218	180 ± 220	293 ± 417
CD44 + CD2	530 ± 1014	86 ± 197	250 ± 315	281 ± 429	157 ± 201
CD44 + CD207	162 ± 147	136 ± 95	172 ± 95	290 ± 292	234 ± 263
CD44 + CD24	79 ± 168	50 ± 165	59 ± 164	79 ± 166	95 ± 188
CD44 + CD28	384 ± 1000	24 ± 63	55 ± 87	74 ± 117	37 ± 69
CD44 + CD29	10241 ± 11788	2859 ± 3883	4949 ± 4775	5616 ± 6180	4728 ± 4610
CD44 + CD3	557 ± 966	107 ± 283	302 ± 446	581 ± 1012	212 ± 341
CD44 + CD31	21 ± 35	3 ± 6	3 ± 6	3 ± 6	4 ± 7
CD44 + CD4	392 ± 972	59 ± 157	96 ± 158	242 ± 512	73 ± 155
CD44 + CD45	610 ± 1450	46 ± 114	209 ± 296	411 ± 948	80 ± 124
CD44 + CD45RA	156 ± 271	39 ± 119	66 ± 129	118 ± 232	46 ± 117
CD44 + CD45RO	350 ± 853	37 ± 120	120 ± 169	188 ± 303	114 ± 195
CD44 + CD52	47 ± 94	7 ± 19	19 ± 42	348 ± 1108	12 ± 18
CD44 + CD54	1704 ± 3245	254 ± 821	354 ± 841	648 ± 1279	306 ± 814
CD44 + CD56	14 ± 18	5 ± 8	16 ± 23	15 ± 26	8 ± 9
CD44 + CD58	4205 ± 7363	1304 ± 2487	1522 ± 2734	2345 ± 3542	2425 ± 3617
CD44 + CD62E	2 ± 7	3 ± 10	1 ± 1	0 ± 1	0 ± 1
CD44 + CD62P	2 ± 5	1 ± 1	0 ± 0	0 ± 0	2 ± 7
CD44 + CD68	387 ± 417	372 ± 405	411 ± 375	420 ± 392	450 ± 555
CD44 + CD7	477 ± 925	60 ± 176	297 ± 404	485 ± 761	94 ± 178
CD44 + CD8a	221 ± 257	53 ± 131	120 ± 149	144 ± 201	106 ± 146
CD44 + CK14	16273 ± 14739	5470 ± 6425	12552 ± 11418	12455 ± 10211	9909 ± 8449
CD44 + CLA	269 ± 328	81 ± 178	159 ± 185	222 ± 222	152 ± 191
CD44 + c-myc	2896 ± 2580	1274 ± 1515	1440 ± 1260	2117 ± 2102	1667 ± 1386
CD44 + Collagen IV	1314 ± 1682	472 ± 767	855 ± 805	1055 ± 1135	668 ± 815
CD44 + FXIIIA	9 ± 15	6 ± 14	11 ± 14	14 ± 24	23 ± 54
CD44 + HLA-DR	6506 ± 8246	1962 ± 3091	2692 ± 3333	3500 ± 3688	2697 ± 3510
CD44 + IL-22R	1132 ± 886	983 ± 966	1021 ± 1158	989 ± 926	1146 ± 876
CD44 + IL-23R	381 ± 507	670 ± 1159	113 ± 280	302 ± 369	156 ± 270
CD44 + Ki67	578 ± 553	280 ± 343	574 ± 751	358 ± 369	437 ± 670
CD44 + PI	4617 ± 4061	1803 ± 1557	3718 ± 3039	3384 ± 1907	3565 ± 3419
CD44 + Podoplanin	4179 ± 7593	585 ± 1868	808 ± 1908	3634 ± 6952	647 ± 1859
CD44 + SNA1	5460 ± 9380	815 ± 1167	1581 ± 1644	1558 ± 1907	1266 ± 1493
CD44 + STAT3	1004 ± 1239	1011 ± 1550	291 ± 350	629 ± 660	452 ± 414
CD44 + TIA1	46 ± 72	7 ± 20	23 ± 28	40 ± 86	11 ± 21
CD44 + Vimentin	2243 ± 2089	954 ± 1365	1690 ± 1505	1770 ± 1466	1423 ± 1514

Tabelle 572: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + BCL2	66 ± 146	5 ± 7	32 ± 49	17 ± 29	7 ± 9
CD45 + CCR6	39 ± 79	8 ± 25	13 ± 28	26 ± 50	11 ± 26
CD45 + CD11a	473 ± 1122	49 ± 125	197 ± 274	241 ± 447	66 ± 125
CD45 + CD11b	68 ± 123	16 ± 54	21 ± 54	31 ± 66	22 ± 55
CD45 + CD120a	11 ± 14	4 ± 8	17 ± 36	25 ± 53	7 ± 8
CD45 + CD120b	27 ± 39	4 ± 12	8 ± 15	39 ± 106	7 ± 14
CD45 + CD138	338 ± 896	10 ± 28	71 ± 105	102 ± 274	29 ± 49
CD45 + CD15	7 ± 15	1 ± 2	0 ± 1	14 ± 43	0 ± 0
CD45 + CD1a	31 ± 64	8 ± 21	25 ± 52	37 ± 77	15 ± 22
CD45 + CD2	405 ± 1015	40 ± 95	154 ± 213	135 ± 273	63 ± 97
CD45 + CD207	35 ± 83	5 ± 9	22 ± 29	34 ± 74	10 ± 11
CD45 + CD24	10 ± 23	2 ± 6	3 ± 6	14 ± 32	2 ± 6
CD45 + CD28	330 ± 928	15 ± 40	46 ± 78	66 ± 130	21 ± 42
CD45 + CD29	589 ± 1447	39 ± 110	165 ± 228	327 ± 825	59 ± 112
CD45 + CD3	377 ± 856	45 ± 114	159 ± 234	286 ± 646	64 ± 117
CD45 + CD31	4 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45 + CD4	343 ± 961	27 ± 77	63 ± 101	161 ± 387	36 ± 78
CD45 + CD44	610 ± 1450	46 ± 114	209 ± 296	411 ± 948	80 ± 124
CD45 + CD45RA	61 ± 155	9 ± 24	19 ± 35	51 ± 126	10 ± 24
CD45 + CD45RO	355 ± 969	28 ± 93	120 ± 171	118 ± 217	52 ± 101
CD45 + CD52	46 ± 100	7 ± 20	19 ± 41	146 ± 447	10 ± 20
CD45 + CD54	427 ± 1175	35 ± 116	84 ± 174	162 ± 352	40 ± 116
CD45 + CD56	2 ± 6	0 ± 0	1 ± 3	1 ± 1	1 ± 4
CD45 + CD58	102 ± 132	23 ± 70	40 ± 82	262 ± 708	41 ± 81
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	73 ± 138	28 ± 76	50 ± 81	42 ± 79	35 ± 76
CD45 + CD7	305 ± 771	23 ± 65	145 ± 225	206 ± 481	39 ± 68
CD45 + CD8a	111 ± 163	17 ± 37	62 ± 91	90 ± 186	35 ± 48
CD45 + CK14	560 ± 1305	41 ± 85	226 ± 307	401 ± 949	72 ± 95
CD45 + CLA	96 ± 212	17 ± 35	40 ± 40	60 ± 98	23 ± 34
CD45 + c-myc	177 ± 349	10 ± 28	57 ± 110	235 ± 623	18 ± 33
CD45 + Collagen IV	114 ± 218	10 ± 25	55 ± 97	118 ± 286	16 ± 27
CD45 + FXIIIA	3 ± 6	2 ± 6	2 ± 6	4 ± 9	2 ± 6
CD45 + HLA-DR	485 ± 1071	42 ± 113	134 ± 183	205 ± 377	63 ± 118
CD45 + IL-22R	15 ± 27	5 ± 9	6 ± 9	17 ± 36	7 ± 9
CD45 + IL-23R	9 ± 14	3 ± 6	4 ± 7	25 ± 68	4 ± 6
CD45 + Ki67	9 ± 18	2 ± 6	6 ± 9	2 ± 6	2 ± 6
CD45 + PI	412 ± 1036	24 ± 48	142 ± 229	154 ± 311	44 ± 57
CD45 + Podoplanin	55 ± 93	4 ± 12	9 ± 20	261 ± 810	4 ± 12
CD45 + SNA1	448 ± 1067	20 ± 56	110 ± 163	162 ± 378	38 ± 66
CD45 + STAT3	17 ± 36	1 ± 2	1 ± 2	3 ± 6	2 ± 4
CD45 + TIA1	18 ± 22	3 ± 9	12 ± 16	21 ± 51	4 ± 9
CD45 + Vimentin	341 ± 791	38 ± 105	132 ± 165	135 ± 240	61 ± 107

Tabelle 573: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	0 ± 0	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD45RA + BCL2	30 ± 43	12 ± 21	19 ± 23	15 ± 21	17 ± 21
CD45RA + CCR6	6 ± 9	2 ± 4	5 ± 8	5 ± 7	3 ± 6
CD45RA + CD11a	95 ± 164	34 ± 88	50 ± 91	107 ± 219	40 ± 86
CD45RA + CD11b	17 ± 36	12 ± 36	12 ± 36	16 ± 35	13 ± 36
CD45RA + CD120a	2 ± 4	0 ± 1	1 ± 1	3 ± 5	1 ± 2
CD45RA + CD120b	14 ± 23	3 ± 8	4 ± 9	4 ± 9	5 ± 8
CD45RA + CD138	68 ± 121	16 ± 42	27 ± 44	24 ± 44	17 ± 42
CD45RA + CD15	2 ± 5	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD45RA + CD1a	6 ± 12	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD45RA + CD2	53 ± 82	21 ± 40	31 ± 41	40 ± 67	23 ± 39
CD45RA + CD207	8 ± 22	1 ± 5	1 ± 5	2 ± 5	1 ± 5
CD45RA + CD24	11 ± 18	4 ± 11	5 ± 11	5 ± 11	4 ± 11
CD45RA + CD28	24 ± 68	2 ± 5	3 ± 6	4 ± 7	3 ± 6
CD45RA + CD29	169 ± 272	51 ± 136	73 ± 133	82 ± 143	58 ± 134
CD45RA + CD3	48 ± 77	24 ± 58	32 ± 59	49 ± 84	31 ± 57
CD45RA + CD31	1 ± 2	1 ± 2	2 ± 6	1 ± 2	1 ± 2
CD45RA + CD4	38 ± 96	7 ± 23	10 ± 23	55 ± 150	8 ± 23
CD45RA + CD44	156 ± 271	39 ± 119	66 ± 129	118 ± 232	46 ± 117
CD45RA + CD45	61 ± 155	9 ± 24	19 ± 35	51 ± 126	10 ± 24
CD45RA + CD45RO	21 ± 53	3 ± 11	6 ± 13	5 ± 12	4 ± 11
CD45RA + CD52	4 ± 8	1 ± 2	4 ± 9	10 ± 30	1 ± 2
CD45RA + CD54	103 ± 224	32 ± 107	34 ± 107	75 ± 164	33 ± 107
CD45RA + CD56	4 ± 7	0 ± 1	3 ± 7	4 ± 11	0 ± 1
CD45RA + CD58	42 ± 79	20 ± 65	22 ± 64	38 ± 76	23 ± 65
CD45RA + CD62E	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + CD62P	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD68	35 ± 75	29 ± 76	30 ± 75	41 ± 78	32 ± 75
CD45RA + CD7	68 ± 105	24 ± 70	46 ± 84	49 ± 82	27 ± 69
CD45RA + CD8a	41 ± 62	27 ± 60	31 ± 59	36 ± 62	33 ± 59
CD45RA + CK14	172 ± 249	78 ± 187	111 ± 186	141 ± 224	92 ± 182
CD45RA + CLA	68 ± 115	26 ± 58	32 ± 57	48 ± 70	36 ± 56
CD45RA + c-myc	87 ± 133	30 ± 89	41 ± 88	114 ± 249	38 ± 87
CD45RA + Collagen IV	65 ± 95	23 ± 67	31 ± 67	57 ± 98	28 ± 66
CD45RA + FXIIIA	3 ± 10	3 ± 10	4 ± 10	4 ± 10	3 ± 10
CD45RA + HLA-DR	142 ± 232	42 ± 119	54 ± 119	80 ± 147	47 ± 118
CD45RA + IL-22R	6 ± 12	4 ± 12	4 ± 12	4 ± 12	4 ± 12
CD45RA + IL-23R	2 ± 3	1 ± 2	1 ± 2	2 ± 4	1 ± 2
CD45RA + Ki67	8 ± 17	5 ± 15	5 ± 15	5 ± 15	5 ± 15
CD45RA + PI	119 ± 219	34 ± 77	61 ± 91	91 ± 163	45 ± 74
CD45RA + Podoplanin	30 ± 49	8 ± 26	11 ± 27	34 ± 84	8 ± 26
CD45RA + SNA1	124 ± 212	21 ± 50	35 ± 55	61 ± 106	24 ± 49
CD45RA + STAT3	3 ± 4	1 ± 3	4 ± 10	1 ± 3	1 ± 3
CD45RA + TIA1	18 ± 25	6 ± 14	12 ± 14	11 ± 15	8 ± 14
CD45RA + Vimentin	104 ± 171	39 ± 116	50 ± 115	72 ± 137	43 ± 115

Tabelle 574: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	0 ± 1	0 ± 0	1 ± 2	0 ± 0	1 ± 5
CD45RO + BCL2	45 ± 110	2 ± 6	26 ± 48	10 ± 13	8 ± 15
CD45RO + CCR6	30 ± 64	8 ± 26	11 ± 26	21 ± 31	15 ± 29
CD45RO + CD11a	313 ± 773	36 ± 119	113 ± 163	102 ± 152	56 ± 125
CD45RO + CD11b	56 ± 107	20 ± 68	24 ± 67	35 ± 77	33 ± 70
CD45RO + CD120a	7 ± 16	6 ± 16	15 ± 29	13 ± 22	7 ± 16
CD45RO + CD120b	15 ± 25	5 ± 13	6 ± 13	15 ± 30	7 ± 15
CD45RO + CD138	209 ± 555	12 ± 38	48 ± 64	43 ± 65	46 ± 76
CD45RO + CD15	6 ± 15	0 ± 0	0 ± 1	10 ± 30	1 ± 2
CD45RO + CD1a	17 ± 37	7 ± 23	12 ± 24	23 ± 39	25 ± 47
CD45RO + CD2	348 ± 913	37 ± 119	117 ± 164	108 ± 178	79 ± 134
CD45RO + CD207	16 ± 46	1 ± 5	15 ± 21	15 ± 26	12 ± 23
CD45RO + CD24	5 ± 12	4 ± 12	4 ± 12	11 ± 22	5 ± 12
CD45RO + CD28	231 ± 659	15 ± 47	35 ± 62	32 ± 56	23 ± 51
CD45RO + CD29	394 ± 987	42 ± 131	127 ± 173	139 ± 218	96 ± 152
CD45RO + CD3	259 ± 611	37 ± 120	103 ± 162	137 ± 220	86 ± 154
CD45RO + CD31	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD4	242 ± 664	27 ± 89	50 ± 96	77 ± 156	36 ± 91
CD45RO + CD44	350 ± 853	37 ± 120	120 ± 169	188 ± 303	114 ± 195
CD45RO + CD45	355 ± 969	28 ± 93	120 ± 171	118 ± 217	52 ± 101
CD45RO + CD45RA	21 ± 53	3 ± 11	6 ± 13	5 ± 12	4 ± 11
CD45RO + CD52	35 ± 86	6 ± 19	13 ± 30	33 ± 82	9 ± 19
CD45RO + CD54	279 ± 751	36 ± 120	57 ± 127	67 ± 135	41 ± 120
CD45RO + CD56	1 ± 3	0 ± 1	2 ± 3	0 ± 1	2 ± 5
CD45RO + CD58	62 ± 92	21 ± 71	25 ± 70	59 ± 114	65 ± 122
CD45RO + CD62E	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD45RO + CD62P	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CD68	65 ± 137	31 ± 97	49 ± 98	42 ± 96	37 ± 96
CD45RO + CD7	218 ± 565	20 ± 65	85 ± 118	96 ± 149	37 ± 71
CD45RO + CD8a	48 ± 87	7 ± 25	26 ± 54	26 ± 40	25 ± 42
CD45RO + CK14	324 ± 793	32 ± 95	146 ± 208	153 ± 209	122 ± 188
CD45RO + CLA	56 ± 134	9 ± 28	24 ± 32	36 ± 49	18 ± 31
CD45RO + c-myc	97 ± 191	10 ± 32	42 ± 78	59 ± 123	40 ± 71
CD45RO + Collagen IV	69 ± 124	8 ± 26	40 ± 75	33 ± 56	22 ± 47
CD45RO + FXIIIA	3 ± 7	2 ± 7	3 ± 7	3 ± 7	3 ± 7
CD45RO + HLA-DR	297 ± 658	37 ± 123	101 ± 159	110 ± 162	93 ± 176
CD45RO + IL-22R	7 ± 12	4 ± 8	4 ± 7	5 ± 8	4 ± 7
CD45RO + IL-23R	7 ± 12	3 ± 10	5 ± 10	23 ± 49	7 ± 14
CD45RO + Ki67	6 ± 14	2 ± 6	5 ± 7	3 ± 6	4 ± 8
CD45RO + PI	287 ± 771	25 ± 70	107 ± 154	73 ± 95	84 ± 136
CD45RO + Podoplanin	30 ± 51	7 ± 22	10 ± 23	48 ± 116	7 ± 22
CD45RO + SNA1	307 ± 744	18 ± 61	82 ± 125	89 ± 161	70 ± 138
CD45RO + STAT3	8 ± 20	0 ± 1	1 ± 2	5 ± 13	4 ± 11
CD45RO + TIA1	10 ± 14	2 ± 6	5 ± 10	11 ± 27	3 ± 6
CD45RO + Vimentin	264 ± 626	41 ± 136	123 ± 171	101 ± 154	101 ± 167

Tabelle 575: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + BCL2	14 ± 21	2 ± 3	4 ± 7	11 ± 29	3 ± 4
CD52 + CCR6	14 ± 27	4 ± 12	4 ± 12	21 ± 52	5 ± 12
CD52 + CD11a	45 ± 98	8 ± 22	19 ± 40	55 ± 137	11 ± 21
CD52 + CD11b	3 ± 6	2 ± 6	2 ± 6	14 ± 40	2 ± 6
CD52 + CD120a	0 ± 1	0 ± 0	0 ± 1	2 ± 8	1 ± 3
CD52 + CD120b	4 ± 6	1 ± 3	2 ± 5	16 ± 51	1 ± 3
CD52 + CD138	24 ± 50	3 ± 6	5 ± 8	175 ± 568	4 ± 6
CD52 + CD15	1 ± 4	0 ± 0	0 ± 0	13 ± 43	0 ± 0
CD52 + CD1a	1 ± 2	0 ± 0	0 ± 0	2 ± 8	1 ± 2
CD52 + CD2	49 ± 101	10 ± 24	18 ± 35	58 ± 149	14 ± 23
CD52 + CD207	1 ± 2	0 ± 0	0 ± 0	4 ± 10	1 ± 2
CD52 + CD24	2 ± 5	1 ± 2	1 ± 3	11 ± 34	1 ± 2
CD52 + CD28	37 ± 86	6 ± 14	11 ± 22	29 ± 71	6 ± 14
CD52 + CD29	45 ± 87	8 ± 20	13 ± 24	285 ± 900	11 ± 19
CD52 + CD3	45 ± 93	10 ± 24	22 ± 46	139 ± 405	13 ± 23
CD52 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD4	35 ± 86	7 ± 19	12 ± 25	43 ± 112	8 ± 18
CD52 + CD44	47 ± 94	7 ± 19	19 ± 42	348 ± 1108	12 ± 18
CD52 + CD45	46 ± 100	7 ± 20	19 ± 41	146 ± 447	10 ± 20
CD52 + CD45RA	4 ± 8	1 ± 2	4 ± 9	10 ± 30	1 ± 2
CD52 + CD45RO	35 ± 86	6 ± 19	13 ± 30	33 ± 82	9 ± 19
CD52 + CD54	27 ± 67	4 ± 14	5 ± 14	67 ± 200	4 ± 14
CD52 + CD56	0 ± 0	0 ± 0	0 ± 1	2 ± 7	0 ± 0
CD52 + CD58	10 ± 14	4 ± 13	4 ± 13	425 ± 1384	6 ± 13
CD52 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD62P	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD52 + CD68	9 ± 19	8 ± 19	7 ± 19	9 ± 19	10 ± 19
CD52 + CD7	34 ± 76	5 ± 14	14 ± 33	99 ± 294	7 ± 14
CD52 + CD8a	19 ± 25	5 ± 13	14 ± 30	42 ± 109	8 ± 14
CD52 + CK14	44 ± 66	8 ± 14	18 ± 33	469 ± 1499	14 ± 14
CD52 + CLA	11 ± 21	4 ± 12	5 ± 12	20 ± 47	6 ± 11
CD52 + c-myc	21 ± 29	2 ± 3	9 ± 26	206 ± 658	4 ± 5
CD52 + Collagen IV	12 ± 19	2 ± 4	9 ± 22	126 ± 391	3 ± 4
CD52 + FXIIIA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + HLA-DR	35 ± 65	7 ± 21	13 ± 27	114 ± 334	9 ± 20
CD52 + IL-22R	5 ± 13	0 ± 1	0 ± 1	19 ± 63	1 ± 1
CD52 + IL-23R	6 ± 18	0 ± 0	0 ± 0	14 ± 46	0 ± 0
CD52 + Ki67	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD52 + PI	34 ± 74	5 ± 8	14 ± 32	81 ± 238	7 ± 7
CD52 + Podoplanin	4 ± 7	1 ± 2	1 ± 3	430 ± 1417	1 ± 2
CD52 + SNA1	37 ± 77	5 ± 11	12 ± 25	117 ± 350	7 ± 10
CD52 + STAT3	7 ± 20	0 ± 1	0 ± 0	6 ± 19	1 ± 2
CD52 + TIA1	5 ± 6	1 ± 3	3 ± 7	16 ± 46	2 ± 3
CD52 + Vimentin	33 ± 70	8 ± 20	10 ± 21	62 ± 171	11 ± 19

Tabelle 576: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	14 ± 23	3 ± 9	5 ± 11	12 ± 31	3 ± 9
CD54 + BCL2	150 ± 352	6 ± 18	12 ± 20	26 ± 64	16 ± 28
CD54 + CCR6	29 ± 63	6 ± 21	7 ± 20	24 ± 51	7 ± 21
CD54 + CD11a	391 ± 944	70 ± 233	118 ± 256	222 ± 436	75 ± 231
CD54 + CD11b	117 ± 236	61 ± 200	63 ± 200	68 ± 199	68 ± 199
CD54 + CD120a	18 ± 25	6 ± 18	13 ± 30	29 ± 59	8 ± 19
CD54 + CD120b	29 ± 43	4 ± 14	5 ± 14	8 ± 16	6 ± 14
CD54 + CD138	1089 ± 2074	138 ± 452	206 ± 482	229 ± 492	163 ± 448
CD54 + CD15	11 ± 22	0 ± 0	0 ± 0	3 ± 8	0 ± 0
CD54 + CD1a	48 ± 92	23 ± 76	28 ± 76	48 ± 106	23 ± 76
CD54 + CD2	324 ± 813	47 ± 156	106 ± 231	84 ± 185	50 ± 156
CD54 + CD207	40 ± 89	6 ± 20	14 ± 27	27 ± 66	6 ± 19
CD54 + CD24	36 ± 83	25 ± 83	26 ± 83	31 ± 83	26 ± 83
CD54 + CD28	277 ± 805	14 ± 47	16 ± 46	30 ± 53	16 ± 46
CD54 + CD29	1768 ± 3190	290 ± 944	391 ± 961	532 ± 1042	370 ± 935
CD54 + CD3	301 ± 645	63 ± 208	74 ± 206	152 ± 279	72 ± 207
CD54 + CD31	67 ± 96	9 ± 21	12 ± 21	81 ± 220	11 ± 21
CD54 + CD4	342 ± 907	49 ± 163	58 ± 161	169 ± 370	54 ± 162
CD54 + CD44	1704 ± 3245	254 ± 821	354 ± 841	648 ± 1279	306 ± 814
CD54 + CD45	427 ± 1175	35 ± 116	84 ± 174	162 ± 352	40 ± 116
CD54 + CD45RA	103 ± 224	32 ± 107	34 ± 107	75 ± 164	33 ± 107
CD54 + CD45RO	279 ± 751	36 ± 120	57 ± 127	67 ± 135	41 ± 120
CD54 + CD52	27 ± 67	4 ± 14	5 ± 14	67 ± 200	4 ± 14
CD54 + CD56	6 ± 13	1 ± 2	1 ± 3	4 ± 11	3 ± 6
CD54 + CD58	382 ± 692	143 ± 461	155 ± 459	355 ± 703	223 ± 470
CD54 + CD62E	2 ± 7	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD54 + CD62P	3 ± 7	2 ± 6	2 ± 6	28 ± 87	2 ± 6
CD54 + CD68	148 ± 294	82 ± 262	101 ± 260	106 ± 258	89 ± 260
CD54 + CD7	306 ± 737	46 ± 152	103 ± 224	102 ± 201	49 ± 152
CD54 + CD8a	60 ± 122	17 ± 56	20 ± 56	33 ± 69	17 ± 56
CD54 + CK14	2074 ± 4040	350 ± 1131	467 ± 1145	829 ± 1669	491 ± 1131
CD54 + CLA	102 ± 226	19 ± 64	23 ± 63	39 ± 76	24 ± 64
CD54 + c-myc	486 ± 834	86 ± 273	93 ± 270	375 ± 854	110 ± 270
CD54 + Collagen IV	377 ± 607	77 ± 232	91 ± 229	256 ± 426	87 ± 230
CD54 + FXIIIA	11 ± 32	10 ± 32	10 ± 32	13 ± 32	10 ± 32
CD54 + HLA-DR	1359 ± 2317	209 ± 671	233 ± 665	413 ± 808	243 ± 667
CD54 + IL-22R	58 ± 112	32 ± 105	33 ± 105	36 ± 104	34 ± 104
CD54 + IL-23R	31 ± 55	7 ± 20	7 ± 20	72 ± 204	10 ± 21
CD54 + Ki67	46 ± 93	21 ± 69	23 ± 69	23 ± 69	22 ± 69
CD54 + PI	785 ± 1842	77 ± 242	94 ± 240	199 ± 357	107 ± 249
CD54 + Podoplanin	807 ± 1464	101 ± 334	102 ± 334	422 ± 1038	109 ± 332
CD54 + SNA1	1090 ± 1991	90 ± 271	125 ± 270	277 ± 470	100 ± 269
CD54 + STAT3	30 ± 71	0 ± 1	0 ± 1	4 ± 8	1 ± 1
CD54 + TIA1	14 ± 22	3 ± 11	5 ± 11	11 ± 25	4 ± 11
CD54 + Vimentin	586 ± 1009	150 ± 486	194 ± 486	377 ± 653	186 ± 480

Tabelle 577: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	1 ± 4	109 ± 361	78 ± 174	0 ± 0	2 ± 5
CD56 + BCL2	7 ± 14	15 ± 42	8 ± 12	2 ± 3	3 ± 4
CD56 + CCR6	1 ± 1	25 ± 78	36 ± 78	1 ± 1	1 ± 2
CD56 + CD11a	5 ± 10	0 ± 1	3 ± 7	3 ± 8	2 ± 4
CD56 + CD11b	2 ± 3	1 ± 1	1 ± 2	1 ± 1	3 ± 9
CD56 + CD120a	0 ± 0	0 ± 0	1 ± 1	1 ± 1	0 ± 0
CD56 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD138	10 ± 14	132 ± 361	125 ± 260	7 ± 10	16 ± 35
CD56 + CD15	0 ± 0	1 ± 3	0 ± 0	1 ± 3	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	6 ± 11	0 ± 0	4 ± 13	5 ± 12	1 ± 2
CD56 + CD207	0 ± 0	0 ± 1	0 ± 1	0 ± 0	0 ± 0
CD56 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD28	0 ± 0	0 ± 0	0 ± 1	2 ± 4	0 ± 0
CD56 + CD29	32 ± 35	158 ± 346	145 ± 252	29 ± 52	30 ± 34
CD56 + CD3	0 ± 0	0 ± 0	2 ± 4	4 ± 10	2 ± 6
CD56 + CD31	0 ± 0	3 ± 11	31 ± 103	0 ± 0	0 ± 0
CD56 + CD4	5 ± 11	1 ± 4	3 ± 6	3 ± 5	3 ± 5
CD56 + CD44	14 ± 18	5 ± 8	16 ± 23	15 ± 26	8 ± 9
CD56 + CD45	2 ± 6	0 ± 0	1 ± 3	1 ± 1	1 ± 4
CD56 + CD45RA	4 ± 7	0 ± 1	3 ± 7	4 ± 11	0 ± 1
CD56 + CD45RO	1 ± 3	0 ± 1	2 ± 3	0 ± 1	2 ± 5
CD56 + CD52	0 ± 0	0 ± 0	0 ± 1	2 ± 7	0 ± 0
CD56 + CD54	6 ± 13	1 ± 2	1 ± 3	4 ± 11	3 ± 6
CD56 + CD58	4 ± 8	8 ± 20	10 ± 29	15 ± 32	8 ± 14
CD56 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	4 ± 11	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	8 ± 9	17 ± 31	11 ± 15	3 ± 5	10 ± 15
CD56 + CD7	7 ± 13	0 ± 0	4 ± 11	6 ± 13	1 ± 2
CD56 + CD8a	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD56 + CK14	37 ± 34	178 ± 373	161 ± 256	41 ± 55	54 ± 50
CD56 + CLA	2 ± 7	0 ± 0	1 ± 2	1 ± 2	0 ± 0
CD56 + c-myc	37 ± 43	132 ± 361	150 ± 263	70 ± 156	32 ± 38
CD56 + Collagen IV	27 ± 31	35 ± 56	33 ± 34	64 ± 137	29 ± 30
CD56 + FXIIIA	2 ± 4	2 ± 7	23 ± 51	0 ± 1	1 ± 3
CD56 + HLA-DR	12 ± 14	20 ± 42	19 ± 28	11 ± 17	8 ± 12
CD56 + IL-22R	1 ± 2	1 ± 2	1 ± 1	2 ± 5	0 ± 1
CD56 + IL-23R	1 ± 3	0 ± 1	0 ± 0	1 ± 3	0 ± 0
CD56 + Ki67	0 ± 0	1 ± 3	1 ± 1	0 ± 0	1 ± 2
CD56 + PI	13 ± 19	76 ± 167	92 ± 181	13 ± 19	15 ± 20
CD56 + Podoplanin	3 ± 5	127 ± 286	67 ± 148	11 ± 29	2 ± 4
CD56 + SNA1	32 ± 35	27 ± 41	27 ± 42	48 ± 117	23 ± 27
CD56 + STAT3	3 ± 7	128 ± 363	120 ± 273	1 ± 3	3 ± 8
CD56 + TIA1	3 ± 7	6 ± 20	13 ± 37	2 ± 6	0 ± 1
CD56 + Vimentin	18 ± 19	36 ± 80	27 ± 30	24 ± 50	12 ± 12

Tabelle 578: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	5 ± 9	12 ± 32	11 ± 31	3 ± 8	2 ± 6
CD58 + BCL2	528 ± 1193	188 ± 393	113 ± 202	88 ± 106	134 ± 149
CD58 + CCR6	29 ± 52	22 ± 35	28 ± 44	50 ± 98	24 ± 33
CD58 + CD11a	181 ± 290	52 ± 164	64 ± 163	125 ± 219	70 ± 166
CD58 + CD11b	32 ± 89	27 ± 90	27 ± 90	31 ± 89	43 ± 92
CD58 + CD120a	18 ± 19	22 ± 28	20 ± 40	31 ± 46	34 ± 49
CD58 + CD120b	16 ± 33	4 ± 9	4 ± 9	33 ± 93	7 ± 12
CD58 + CD138	4238 ± 7978	994 ± 1288	1250 ± 1930	1679 ± 2349	1761 ± 2753
CD58 + CD15	4 ± 6	5 ± 12	1 ± 2	6 ± 15	2 ± 2
CD58 + CD1a	75 ± 77	99 ± 120	112 ± 276	53 ± 55	218 ± 359
CD58 + CD2	158 ± 263	45 ± 142	66 ± 149	101 ± 199	82 ± 152
CD58 + CD207	41 ± 22	88 ± 162	46 ± 66	56 ± 50	110 ± 158
CD58 + CD24	9 ± 22	7 ± 23	7 ± 23	13 ± 25	16 ± 29
CD58 + CD28	73 ± 122	12 ± 39	14 ± 38	47 ± 97	21 ± 45
CD58 + CD29	4070 ± 7157	1175 ± 2191	1063 ± 2228	2071 ± 3246	2126 ± 3155
CD58 + CD3	184 ± 327	54 ± 171	62 ± 170	257 ± 543	137 ± 250
CD58 + CD31	18 ± 28	8 ± 15	18 ± 38	22 ± 43	7 ± 15
CD58 + CD4	71 ± 115	31 ± 100	34 ± 99	84 ± 163	41 ± 101
CD58 + CD44	4205 ± 7363	1304 ± 2487	1522 ± 2734	2345 ± 3542	2425 ± 3617
CD58 + CD45	102 ± 132	23 ± 70	40 ± 82	262 ± 708	41 ± 81
CD58 + CD45RA	42 ± 79	20 ± 65	22 ± 64	38 ± 76	23 ± 65
CD58 + CD45RO	62 ± 92	21 ± 71	25 ± 70	59 ± 114	65 ± 122
CD58 + CD52	10 ± 14	4 ± 13	4 ± 13	425 ± 1384	6 ± 13
CD58 + CD54	382 ± 692	143 ± 461	155 ± 459	355 ± 703	223 ± 470
CD58 + CD56	4 ± 8	8 ± 20	10 ± 29	15 ± 32	8 ± 14
CD58 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD58 + CD62P	1 ± 3	1 ± 3	1 ± 3	6 ± 17	1 ± 3
CD58 + CD68	92 ± 206	100 ± 206	93 ± 209	87 ± 208	94 ± 205
CD58 + CD7	139 ± 224	34 ± 109	68 ± 144	201 ± 443	60 ± 120
CD58 + CD8a	100 ± 156	32 ± 104	38 ± 103	75 ± 139	69 ± 127
CD58 + CK14	5597 ± 8994	1990 ± 3874	2236 ± 4184	4038 ± 6285	3948 ± 5857
CD58 + CLA	68 ± 95	36 ± 93	39 ± 93	54 ± 101	77 ± 119
CD58 + c-myc	1323 ± 1983	562 ± 890	439 ± 863	1292 ± 2054	858 ± 1061
CD58 + Collagen IV	690 ± 1453	186 ± 557	201 ± 557	701 ± 1276	284 ± 597
CD58 + FXIIIA	3 ± 9	3 ± 9	8 ± 19	3 ± 9	3 ± 9
CD58 + HLA-DR	2399 ± 4625	714 ± 1538	592 ± 1527	923 ± 1653	1218 ± 2050
CD58 + IL-22R	517 ± 615	503 ± 605	314 ± 563	402 ± 541	424 ± 518
CD58 + IL-23R	232 ± 300	305 ± 550	62 ± 123	173 ± 246	92 ± 119
CD58 + Ki67	228 ± 426	76 ± 146	77 ± 151	57 ± 148	65 ± 146
CD58 + PI	1312 ± 2112	575 ± 994	517 ± 1020	981 ± 1558	1331 ± 2293
CD58 + Podoplanin	2167 ± 5571	332 ± 1070	348 ± 1066	2063 ± 4239	390 ± 1070
CD58 + SNA1	2343 ± 5441	258 ± 607	238 ± 612	585 ± 1023	492 ± 852
CD58 + STAT3	514 ± 611	503 ± 647	143 ± 214	373 ± 685	190 ± 201
CD58 + TIA1	23 ± 48	9 ± 18	14 ± 26	14 ± 30	9 ± 18
CD58 + Vimentin	673 ± 1100	307 ± 779	324 ± 790	557 ± 955	522 ± 882

Tabelle 579: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	0 ± 0	0 ± 0	3 ± 9	0 ± 0	0 ± 0
CD62E + BCL2	8 ± 14	4 ± 11	5 ± 12	4 ± 11	4 ± 11
CD62E + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD11b	1 ± 3	1 ± 3	1 ± 3	1 ± 2	1 ± 3
CD62E + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	9 ± 15	7 ± 15	4 ± 11	4 ± 12	4 ± 12
CD62E + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD29	14 ± 32	5 ± 13	7 ± 16	4 ± 13	4 ± 13
CD62E + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD31	1 ± 4	0 ± 0	3 ± 8	0 ± 0	0 ± 0
CD62E + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD44	2 ± 7	3 ± 10	1 ± 1	0 ± 1	0 ± 1
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62E + CD45RO	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD54	2 ± 7	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD62E + CD56	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD62P	3 ± 7	2 ± 6	3 ± 7	2 ± 6	2 ± 6
CD62E + CD68	1 ± 3	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	20 ± 43	7 ± 15	6 ± 13	4 ± 12	4 ± 12
CD62E + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	13 ± 34	4 ± 11	3 ± 6	1 ± 1	1 ± 1
CD62E + Collagen IV	3 ± 8	0 ± 1	1 ± 2	1 ± 1	0 ± 1
CD62E + FXIIIA	2 ± 7	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + HLA-DR	2 ± 3	2 ± 3	2 ± 4	1 ± 3	1 ± 3
CD62E + IL-22R	1 ± 2	2 ± 7	1 ± 1	0 ± 1	0 ± 1
CD62E + IL-23R	3 ± 8	3 ± 8	1 ± 1	1 ± 1	1 ± 1
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	11 ± 27	3 ± 10	4 ± 10	3 ± 10	3 ± 10
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	13 ± 40	1 ± 1	3 ± 8	1 ± 1	1 ± 1
CD62E + STAT3	5 ± 9	5 ± 11	2 ± 5	2 ± 5	2 ± 5
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + Vimentin	4 ± 14	0 ± 1	3 ± 10	0 ± 0	0 ± 0

Tabelle 580: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	1 ± 2	8 ± 24	1 ± 3	8 ± 24	1 ± 2
CD62P + BCL2	8 ± 20	7 ± 20	7 ± 20	7 ± 20	7 ± 20
CD62P + CCR6	0 ± 1	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11a	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD11b	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD62P + CD120a	0 ± 1	1 ± 2	0 ± 1	0 ± 1	0 ± 1
CD62P + CD120b	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	8 ± 20	14 ± 30	6 ± 21	10 ± 23	9 ± 22
CD62P + CD15	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	2 ± 5	0 ± 1	0 ± 1	0 ± 1	2 ± 6
CD62P + CD28	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD62P + CD29	12 ± 25	17 ± 31	10 ± 25	27 ± 61	11 ± 25
CD62P + CD3	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD31	2 ± 6	2 ± 6	2 ± 6	28 ± 87	2 ± 6
CD62P + CD4	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD62P + CD44	2 ± 5	1 ± 1	0 ± 0	0 ± 0	2 ± 7
CD62P + CD45	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62P + CD45RO	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD52	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD54	3 ± 7	2 ± 6	2 ± 6	28 ± 87	2 ± 6
CD62P + CD56	0 ± 0	4 ± 11	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	1 ± 3	1 ± 3	1 ± 3	6 ± 17	1 ± 3
CD62P + CD62E	3 ± 7	2 ± 6	3 ± 7	2 ± 6	2 ± 6
CD62P + CD68	3 ± 5	2 ± 5	3 ± 5	2 ± 5	2 ± 5
CD62P + CD7	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD8a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CK14	9 ± 24	17 ± 32	8 ± 25	8 ± 25	11 ± 26
CD62P + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	3 ± 5	9 ± 25	2 ± 5	2 ± 5	2 ± 5
CD62P + Collagen IV	2 ± 5	2 ± 5	2 ± 5	14 ± 41	2 ± 5
CD62P + FXIIIA	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
CD62P + HLA-DR	4 ± 7	3 ± 5	2 ± 5	3 ± 7	2 ± 5
CD62P + IL-22R	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD62P + Ki67	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	7 ± 18	9 ± 19	6 ± 17	17 ± 41	8 ± 19
CD62P + Podoplanin	0 ± 0	4 ± 13	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	4 ± 8	3 ± 5	2 ± 5	15 ± 42	3 ± 6
CD62P + STAT3	4 ± 9	10 ± 25	3 ± 9	3 ± 9	3 ± 9
CD62P + TIA1	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	3 ± 5	3 ± 6	2 ± 5	28 ± 87	2 ± 5

Tabelle 581: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	4 ± 9	22 ± 64	7 ± 11	3 ± 9	3 ± 9
CD68 + BCL2	494 ± 412	338 ± 342	409 ± 314	324 ± 343	405 ± 349
CD68 + CCR6	41 ± 57	20 ± 33	23 ± 32	39 ± 40	23 ± 32
CD68 + CD11a	84 ± 152	53 ± 134	75 ± 133	72 ± 132	66 ± 132
CD68 + CD11b	55 ± 132	48 ± 134	50 ± 134	56 ± 132	54 ± 132
CD68 + CD120a	15 ± 20	26 ± 35	19 ± 24	20 ± 21	23 ± 30
CD68 + CD120b	8 ± 14	5 ± 11	5 ± 11	5 ± 11	5 ± 11
CD68 + CD138	254 ± 211	272 ± 196	227 ± 144	240 ± 262	218 ± 202
CD68 + CD15	11 ± 23	31 ± 76	8 ± 22	23 ± 43	11 ± 22
CD68 + CD1a	19 ± 27	35 ± 45	18 ± 26	22 ± 28	30 ± 42
CD68 + CD2	102 ± 160	71 ± 152	118 ± 172	83 ± 147	95 ± 143
CD68 + CD207	31 ± 32	59 ± 67	29 ± 21	33 ± 32	33 ± 38
CD68 + CD24	5 ± 13	4 ± 13	4 ± 13	7 ± 13	5 ± 13
CD68 + CD28	33 ± 69	15 ± 35	15 ± 35	14 ± 35	15 ± 35
CD68 + CD29	1037 ± 1022	1112 ± 936	1018 ± 971	1003 ± 1074	1053 ± 1044
CD68 + CD3	75 ± 135	54 ± 133	67 ± 130	70 ± 128	69 ± 131
CD68 + CD31	15 ± 22	11 ± 23	15 ± 23	12 ± 23	14 ± 23
CD68 + CD4	66 ± 132	44 ± 122	49 ± 120	61 ± 123	48 ± 121
CD68 + CD44	387 ± 417	372 ± 405	411 ± 375	420 ± 392	450 ± 555
CD68 + CD45	73 ± 138	28 ± 76	50 ± 81	42 ± 79	35 ± 76
CD68 + CD45RA	35 ± 75	29 ± 76	30 ± 75	41 ± 78	32 ± 75
CD68 + CD45RO	65 ± 137	31 ± 97	49 ± 98	42 ± 96	37 ± 96
CD68 + CD52	9 ± 19	8 ± 19	7 ± 19	9 ± 19	10 ± 19
CD68 + CD54	148 ± 294	82 ± 262	101 ± 260	106 ± 258	89 ± 260
CD68 + CD56	8 ± 9	17 ± 31	11 ± 15	3 ± 5	10 ± 15
CD68 + CD58	92 ± 206	100 ± 206	93 ± 209	87 ± 208	94 ± 205
CD68 + CD62E	1 ± 3	0 ± 0	2 ± 6	0 ± 0	0 ± 0
CD68 + CD62P	3 ± 5	2 ± 5	3 ± 5	2 ± 5	2 ± 5
CD68 + CD7	58 ± 109	32 ± 90	64 ± 110	45 ± 87	40 ± 88
CD68 + CD8a	33 ± 63	30 ± 64	32 ± 63	31 ± 64	43 ± 63
CD68 + CK14	1350 ± 1405	1784 ± 1231	1462 ± 1333	1533 ± 1501	1630 ± 1426
CD68 + CLA	58 ± 67	38 ± 66	45 ± 64	58 ± 59	60 ± 68
CD68 + c-myc	461 ± 461	488 ± 483	449 ± 474	369 ± 481	428 ± 465
CD68 + Collagen IV	309 ± 489	496 ± 439	414 ± 470	341 ± 474	393 ± 474
CD68 + FXIIIA	9 ± 21	9 ± 21	10 ± 21	9 ± 21	23 ± 40
CD68 + HLA-DR	310 ± 343	380 ± 318	258 ± 331	316 ± 379	250 ± 338
CD68 + IL-22R	56 ± 106	79 ± 109	55 ± 107	61 ± 105	76 ± 102
CD68 + IL-23R	32 ± 47	55 ± 77	23 ± 42	39 ± 43	25 ± 42
CD68 + Ki67	33 ± 46	59 ± 59	35 ± 46	61 ± 79	44 ± 51
CD68 + PI	723 ± 740	931 ± 687	751 ± 706	728 ± 766	806 ± 776
CD68 + Podoplanin	57 ± 77	77 ± 127	32 ± 67	32 ± 70	26 ± 68
CD68 + SNA1	404 ± 401	481 ± 342	371 ± 352	319 ± 371	357 ± 378
CD68 + STAT3	11 ± 11	103 ± 191	34 ± 74	13 ± 10	16 ± 29
CD68 + TIA1	14 ± 25	12 ± 25	15 ± 24	13 ± 25	14 ± 25
CD68 + Vimentin	996 ± 764	1022 ± 660	965 ± 683	964 ± 838	969 ± 849

Tabelle 582: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + BCL2	78 ± 162	6 ± 8	59 ± 87	51 ± 79	16 ± 16
CD7 + CCR6	36 ± 69	6 ± 18	14 ± 21	36 ± 51	14 ± 22
CD7 + CD11a	360 ± 789	46 ± 133	177 ± 251	197 ± 298	61 ± 132
CD7 + CD11b	35 ± 66	14 ± 48	15 ± 48	21 ± 47	16 ± 47
CD7 + CD120a	2 ± 4	0 ± 1	3 ± 7	6 ± 12	1 ± 1
CD7 + CD120b	27 ± 39	5 ± 17	14 ± 24	44 ± 99	11 ± 20
CD7 + CD138	294 ± 628	18 ± 55	148 ± 237	112 ± 143	31 ± 56
CD7 + CD15	4 ± 7	0 ± 1	0 ± 1	4 ± 8	0 ± 1
CD7 + CD1a	12 ± 20	5 ± 16	13 ± 29	17 ± 29	6 ± 16
CD7 + CD2	336 ± 749	43 ± 110	191 ± 286	159 ± 273	71 ± 110
CD7 + CD207	8 ± 16	3 ± 8	11 ± 22	26 ± 48	4 ± 8
CD7 + CD24	5 ± 11	1 ± 4	3 ± 6	3 ± 5	1 ± 4
CD7 + CD28	241 ± 649	14 ± 42	39 ± 62	54 ± 110	23 ± 46
CD7 + CD29	510 ± 985	65 ± 204	287 ± 395	374 ± 594	95 ± 202
CD7 + CD3	329 ± 669	56 ± 166	180 ± 248	366 ± 686	101 ± 180
CD7 + CD31	2 ± 4	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD7 + CD4	230 ± 605	25 ± 77	50 ± 83	106 ± 232	31 ± 76
CD7 + CD44	477 ± 925	60 ± 176	297 ± 404	485 ± 761	94 ± 178
CD7 + CD45	305 ± 771	23 ± 65	145 ± 225	206 ± 481	39 ± 68
CD7 + CD45RA	68 ± 105	24 ± 70	46 ± 84	49 ± 82	27 ± 69
CD7 + CD45RO	218 ± 565	20 ± 65	85 ± 118	96 ± 149	37 ± 71
CD7 + CD52	34 ± 76	5 ± 14	14 ± 33	99 ± 294	7 ± 14
CD7 + CD54	306 ± 737	46 ± 152	103 ± 224	102 ± 201	49 ± 152
CD7 + CD56	7 ± 13	0 ± 0	4 ± 11	6 ± 13	1 ± 2
CD7 + CD58	139 ± 224	34 ± 109	68 ± 144	201 ± 443	60 ± 120
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD62P	1 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD68	58 ± 109	32 ± 90	64 ± 110	45 ± 87	40 ± 88
CD7 + CD8a	117 ± 165	27 ± 73	78 ± 102	101 ± 161	56 ± 85
CD7 + CK14	568 ± 1046	81 ± 220	431 ± 566	562 ± 770	133 ± 220
CD7 + CLA	90 ± 143	23 ± 60	55 ± 72	94 ± 123	37 ± 60
CD7 + c-myc	188 ± 279	19 ± 57	76 ± 102	208 ± 443	37 ± 60
CD7 + Collagen IV	108 ± 170	16 ± 47	89 ± 131	129 ± 212	24 ± 47
CD7 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	2 ± 5	1 ± 3
CD7 + HLA-DR	365 ± 643	51 ± 156	149 ± 215	222 ± 311	73 ± 159
CD7 + IL-22R	12 ± 18	5 ± 16	8 ± 16	13 ± 20	6 ± 16
CD7 + IL-23R	4 ± 6	1 ± 2	1 ± 2	8 ± 18	1 ± 2
CD7 + Ki67	15 ± 25	6 ± 19	16 ± 23	13 ± 24	7 ± 19
CD7 + PI	355 ± 777	38 ± 94	207 ± 285	230 ± 287	75 ± 116
CD7 + Podoplanin	92 ± 181	8 ± 26	16 ± 30	247 ± 616	9 ± 26
CD7 + SNA1	359 ± 646	16 ± 46	145 ± 206	155 ± 274	35 ± 55
CD7 + STAT3	13 ± 23	1 ± 2	1 ± 2	9 ± 17	1 ± 3
CD7 + TIA1	35 ± 50	9 ± 23	27 ± 36	28 ± 42	13 ± 23
CD7 + Vimentin	297 ± 553	56 ± 164	184 ± 233	195 ± 249	87 ± 161

Tabelle 583: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + BCL2	42 ± 55	12 ± 25	26 ± 33	16 ± 26	24 ± 33
CD8a + CCR6	17 ± 30	4 ± 12	7 ± 13	11 ± 15	11 ± 20
CD8a + CD11a	157 ± 186	44 ± 93	98 ± 114	101 ± 137	68 ± 88
CD8a + CD11b	14 ± 28	7 ± 24	7 ± 24	8 ± 24	8 ± 24
CD8a + CD120a	1 ± 1	0 ± 0	1 ± 2	1 ± 1	0 ± 0
CD8a + CD120b	5 ± 8	1 ± 4	2 ± 4	6 ± 15	3 ± 5
CD8a + CD138	123 ± 161	17 ± 44	47 ± 66	33 ± 47	37 ± 54
CD8a + CD15	2 ± 5	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD8a + CD1a	3 ± 6	2 ± 6	4 ± 9	4 ± 7	4 ± 7
CD8a + CD2	172 ± 193	56 ± 108	107 ± 119	109 ± 151	104 ± 107
CD8a + CD207	3 ± 5	2 ± 5	2 ± 5	6 ± 9	3 ± 5
CD8a + CD24	3 ± 9	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD8a + CD28	38 ± 63	5 ± 11	14 ± 29	10 ± 17	9 ± 14
CD8a + CD29	243 ± 266	67 ± 171	113 ± 169	121 ± 184	126 ± 169
CD8a + CD3	125 ± 143	46 ± 104	102 ± 134	134 ± 203	95 ± 137
CD8a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD8a + CD4	19 ± 38	8 ± 21	14 ± 27	16 ± 31	9 ± 21
CD8a + CD44	221 ± 257	53 ± 131	120 ± 149	144 ± 201	106 ± 146
CD8a + CD45	111 ± 163	17 ± 37	62 ± 91	90 ± 186	35 ± 48
CD8a + CD45RA	41 ± 62	27 ± 60	31 ± 59	36 ± 62	33 ± 59
CD8a + CD45RO	48 ± 87	7 ± 25	26 ± 54	26 ± 40	25 ± 42
CD8a + CD52	19 ± 25	5 ± 13	14 ± 30	42 ± 109	8 ± 14
CD8a + CD54	60 ± 122	17 ± 56	20 ± 56	33 ± 69	17 ± 56
CD8a + CD56	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD8a + CD58	100 ± 156	32 ± 104	38 ± 103	75 ± 139	69 ± 127
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD68	33 ± 63	30 ± 64	32 ± 63	31 ± 64	43 ± 63
CD8a + CD7	117 ± 165	27 ± 73	78 ± 102	101 ± 161	56 ± 85
CD8a + CK14	338 ± 347	126 ± 281	221 ± 276	232 ± 299	234 ± 278
CD8a + CLA	90 ± 113	43 ± 85	71 ± 91	62 ± 81	79 ± 89
CD8a + c-myc	130 ± 165	43 ± 111	71 ± 114	111 ± 177	80 ± 115
CD8a + Collagen IV	77 ± 98	34 ± 80	56 ± 84	72 ± 98	59 ± 85
CD8a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	3 ± 11	0 ± 1
CD8a + HLA-DR	156 ± 179	46 ± 126	81 ± 133	82 ± 125	78 ± 139
CD8a + IL-22R	10 ± 18	6 ± 16	7 ± 16	8 ± 16	7 ± 16
CD8a + IL-23R	3 ± 5	1 ± 1	0 ± 1	2 ± 4	1 ± 2
CD8a + Ki67	8 ± 9	2 ± 4	4 ± 6	3 ± 4	4 ± 5
CD8a + PI	207 ± 222	66 ± 147	132 ± 149	123 ± 157	137 ± 165
CD8a + Podoplanin	63 ± 96	16 ± 54	18 ± 54	63 ± 125	17 ± 54
CD8a + SNA1	168 ± 219	30 ± 56	64 ± 71	69 ± 83	62 ± 67
CD8a + STAT3	11 ± 23	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD8a + TIA1	33 ± 37	16 ± 37	28 ± 35	28 ± 44	21 ± 35
CD8a + Vimentin	144 ± 197	55 ± 151	87 ± 150	87 ± 152	91 ± 150

Tabelle 584: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	4 ± 9	498 ± 1638	104 ± 219	3 ± 9	5 ± 12
CK14 + BCL2	2710 ± 2342	1001 ± 962	2155 ± 2579	944 ± 753	1191 ± 644
CK14 + CCR6	141 ± 173	111 ± 183	142 ± 146	212 ± 209	217 ± 277
CK14 + CD11a	643 ± 1123	122 ± 263	327 ± 370	416 ± 533	174 ± 249
CK14 + CD11b	167 ± 241	94 ± 245	109 ± 241	136 ± 240	147 ± 238
CK14 + CD120a	84 ± 52	109 ± 114	88 ± 59	126 ± 75	221 ± 383
CK14 + CD120b	35 ± 46	12 ± 26	19 ± 32	46 ± 88	16 ± 26
CK14 + CD138	19593 ± 18609	5791 ± 4193	12436 ± 12279	8963 ± 5601	8766 ± 7228
CK14 + CD15	29 ± 44	39 ± 82	12 ± 24	73 ± 124	19 ± 29
CK14 + CD1a	195 ± 165	159 ± 171	186 ± 367	180 ± 176	401 ± 597
CK14 + CD2	704 ± 1187	148 ± 276	418 ± 476	335 ± 381	278 ± 240
CK14 + CD207	221 ± 135	267 ± 303	293 ± 173	351 ± 269	379 ± 408
CK14 + CD24	64 ± 169	54 ± 171	59 ± 170	74 ± 168	101 ± 195
CK14 + CD28	375 ± 999	28 ± 59	60 ± 90	61 ± 92	42 ± 64
CK14 + CD29	19407 ± 15938	7630 ± 7166	10889 ± 8431	11691 ± 9607	11115 ± 7797
CK14 + CD3	592 ± 941	141 ± 349	384 ± 535	559 ± 855	306 ± 426
CK14 + CD31	25 ± 43	13 ± 20	55 ± 152	20 ± 30	11 ± 14
CK14 + CD4	408 ± 998	76 ± 193	115 ± 189	209 ± 389	91 ± 189
CK14 + CD44	16273 ± 14739	5470 ± 6425	12552 ± 11418	12455 ± 10211	9909 ± 8449
CK14 + CD45	560 ± 1305	41 ± 85	226 ± 307	401 ± 949	72 ± 95
CK14 + CD45RA	172 ± 249	78 ± 187	111 ± 186	141 ± 224	92 ± 182
CK14 + CD45RO	324 ± 793	32 ± 95	146 ± 208	153 ± 209	122 ± 188
CK14 + CD52	44 ± 66	8 ± 14	18 ± 33	469 ± 1499	14 ± 14
CK14 + CD54	2074 ± 4040	350 ± 1131	467 ± 1145	829 ± 1669	491 ± 1131
CK14 + CD56	37 ± 34	178 ± 373	161 ± 256	41 ± 55	54 ± 50
CK14 + CD58	5597 ± 8994	1990 ± 3874	2236 ± 4184	4038 ± 6285	3948 ± 5857
CK14 + CD62E	20 ± 43	7 ± 15	6 ± 13	4 ± 12	4 ± 12
CK14 + CD62P	9 ± 24	17 ± 32	8 ± 25	8 ± 25	11 ± 26
CK14 + CD68	1350 ± 1405	1784 ± 1231	1462 ± 1333	1533 ± 1501	1630 ± 1426
CK14 + CD7	568 ± 1046	81 ± 220	431 ± 566	562 ± 770	133 ± 220
CK14 + CD8a	338 ± 347	126 ± 281	221 ± 276	232 ± 299	234 ± 278
CK14 + CLA	425 ± 368	159 ± 270	286 ± 279	324 ± 255	316 ± 249
CK14 + c-myc	9077 ± 5457	5163 ± 5670	5548 ± 4205	7688 ± 6577	6691 ± 5141
CK14 + Collagen IV	3963 ± 3678	2707 ± 3073	3791 ± 3024	4949 ± 4179	3534 ± 2933
CK14 + FXIIIA	24 ± 33	14 ± 26	40 ± 52	19 ± 28	47 ± 82
CK14 + HLA-DR	8404 ± 8771	3285 ± 4018	3986 ± 4702	5102 ± 5571	4029 ± 4534
CK14 + IL-22R	2038 ± 1373	1674 ± 1554	1629 ± 1775	1625 ± 1482	1978 ± 1394
CK14 + IL-23R	957 ± 1100	979 ± 1695	195 ± 470	643 ± 825	386 ± 643
CK14 + Ki67	1758 ± 994	966 ± 849	1706 ± 2093	1286 ± 1048	1333 ± 1141
CK14 + PI	13435 ± 7513	7798 ± 3692	11470 ± 6992	11078 ± 4359	12031 ± 5645
CK14 + Podoplanin	5153 ± 8149	1253 ± 2621	1216 ± 2582	5046 ± 9786	905 ± 2589
CK14 + SNA1	9805 ± 11022	3092 ± 2184	4875 ± 3276	4616 ± 3008	4019 ± 2117
CK14 + STAT3	2219 ± 2306	2529 ± 3529	959 ± 1446	1113 ± 1273	981 ± 1005
CK14 + TIA1	59 ± 62	29 ± 45	60 ± 62	47 ± 64	28 ± 36
CK14 + Vimentin	4584 ± 3143	2579 ± 2349	3471 ± 2445	4017 ± 2470	3345 ± 2503

Tabelle 585: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + BCL2	45 ± 72	16 ± 25	32 ± 44	40 ± 53	39 ± 44
CLA + CCR6	23 ± 35	7 ± 19	11 ± 20	19 ± 20	16 ± 20
CLA + CD11a	115 ± 191	40 ± 81	63 ± 78	96 ± 117	55 ± 78
CLA + CD11b	19 ± 30	10 ± 29	10 ± 29	23 ± 36	12 ± 29
CLA + CD120a	13 ± 15	4 ± 7	14 ± 20	6 ± 7	15 ± 31
CLA + CD120b	9 ± 17	2 ± 4	3 ± 5	8 ± 14	4 ± 5
CLA + CD138	178 ± 205	31 ± 63	85 ± 97	64 ± 60	68 ± 77
CLA + CD15	8 ± 13	3 ± 6	2 ± 4	10 ± 20	2 ± 4
CLA + CD1a	30 ± 34	8 ± 12	12 ± 15	17 ± 24	28 ± 41
CLA + CD2	134 ± 201	46 ± 80	84 ± 87	87 ± 81	80 ± 70
CLA + CD207	40 ± 41	13 ± 19	37 ± 51	29 ± 32	31 ± 38
CLA + CD24	2 ± 3	1 ± 3	1 ± 3	6 ± 16	3 ± 5
CLA + CD28	47 ± 113	9 ± 23	11 ± 22	14 ± 25	12 ± 23
CLA + CD29	278 ± 328	76 ± 157	149 ± 174	171 ± 168	152 ± 154
CLA + CD3	111 ± 156	41 ± 87	72 ± 92	106 ± 123	75 ± 92
CLA + CD31	0 ± 1	0 ± 0	0 ± 0	1 ± 2	1 ± 2
CLA + CD4	54 ± 110	17 ± 43	20 ± 42	39 ± 70	21 ± 42
CLA + CD44	269 ± 328	81 ± 178	159 ± 185	222 ± 222	152 ± 191
CLA + CD45	96 ± 212	17 ± 35	40 ± 40	60 ± 98	23 ± 34
CLA + CD45RA	68 ± 115	26 ± 58	32 ± 57	48 ± 70	36 ± 56
CLA + CD45RO	56 ± 134	9 ± 28	24 ± 32	36 ± 49	18 ± 31
CLA + CD52	11 ± 21	4 ± 12	5 ± 12	20 ± 47	6 ± 11
CLA + CD54	102 ± 226	19 ± 64	23 ± 63	39 ± 76	24 ± 64
CLA + CD56	2 ± 7	0 ± 0	1 ± 2	1 ± 2	0 ± 0
CLA + CD58	68 ± 95	36 ± 93	39 ± 93	54 ± 101	77 ± 119
CLA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	58 ± 67	38 ± 66	45 ± 64	58 ± 59	60 ± 68
CLA + CD7	90 ± 143	23 ± 60	55 ± 72	94 ± 123	37 ± 60
CLA + CD8a	90 ± 113	43 ± 85	71 ± 91	62 ± 81	79 ± 89
CLA + CK14	425 ± 368	159 ± 270	286 ± 279	324 ± 255	316 ± 249
CLA + c-myc	116 ± 102	32 ± 59	46 ± 64	104 ± 159	65 ± 64
CLA + Collagen IV	66 ± 70	22 ± 41	33 ± 39	73 ± 88	38 ± 39
CLA + FXIIIA	2 ± 3	1 ± 3	1 ± 3	1 ± 3	4 ± 6
CLA + HLA-DR	248 ± 238	77 ± 164	139 ± 185	172 ± 184	135 ± 165
CLA + IL-22R	26 ± 27	22 ± 30	20 ± 29	21 ± 29	28 ± 34
CLA + IL-23R	5 ± 7	2 ± 5	2 ± 5	6 ± 10	6 ± 9
CLA + Ki67	13 ± 16	6 ± 13	9 ± 14	13 ± 17	12 ± 13
CLA + PI	209 ± 277	66 ± 108	119 ± 113	150 ± 127	161 ± 136
CLA + Podoplanin	53 ± 71	15 ± 50	17 ± 50	44 ± 82	18 ± 50
CLA + SNA1	172 ± 202	26 ± 50	62 ± 81	91 ± 102	69 ± 70
CLA + STAT3	15 ± 24	5 ± 11	4 ± 9	4 ± 7	5 ± 7
CLA + TIA1	21 ± 20	8 ± 18	13 ± 18	18 ± 23	14 ± 18
CLA + Vimentin	237 ± 265	79 ± 170	156 ± 188	161 ± 177	164 ± 170

Tabelle 586: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	7 ± 12	518 ± 1706	109 ± 228	3 ± 10	4 ± 10
c-myc + BCL2	1005 ± 937	437 ± 606	375 ± 335	376 ± 362	408 ± 312
c-myc + CCR6	46 ± 53	82 ± 192	78 ± 147	50 ± 73	87 ± 125
c-myc + CD11a	266 ± 404	34 ± 90	90 ± 138	333 ± 751	54 ± 90
c-myc + CD11b	169 ± 295	94 ± 300	104 ± 297	168 ± 322	144 ± 296
c-myc + CD120a	31 ± 38	23 ± 27	13 ± 11	56 ± 98	29 ± 20
c-myc + CD120b	39 ± 56	8 ± 21	13 ± 24	27 ± 59	15 ± 24
c-myc + CD138	2552 ± 2486	1775 ± 3572	1215 ± 903	912 ± 530	850 ± 436
c-myc + CD15	33 ± 41	13 ± 19	8 ± 16	99 ± 175	10 ± 16
c-myc + CD1a	37 ± 48	46 ± 73	26 ± 36	32 ± 43	55 ± 70
c-myc + CD2	160 ± 235	32 ± 71	68 ± 81	118 ± 228	62 ± 69
c-myc + CD207	35 ± 34	89 ± 156	47 ± 53	43 ± 36	52 ± 59
c-myc + CD24	23 ± 32	8 ± 21	9 ± 21	42 ± 90	10 ± 21
c-myc + CD28	90 ± 188	5 ± 13	16 ± 29	31 ± 62	17 ± 26
c-myc + CD29	5537 ± 4722	2204 ± 3114	2518 ± 2853	3124 ± 3641	2759 ± 3074
c-myc + CD3	145 ± 208	22 ± 56	74 ± 120	247 ± 574	96 ± 154
c-myc + CD31	48 ± 75	15 ± 31	62 ± 160	14 ± 26	11 ± 26
c-myc + CD4	188 ± 374	49 ± 148	68 ± 147	220 ± 507	64 ± 147
c-myc + CD44	2896 ± 2580	1274 ± 1515	1440 ± 1260	2117 ± 2102	1667 ± 1386
c-myc + CD45	177 ± 349	10 ± 28	57 ± 110	235 ± 623	18 ± 33
c-myc + CD45RA	87 ± 133	30 ± 89	41 ± 88	114 ± 249	38 ± 87
c-myc + CD45RO	97 ± 191	10 ± 32	42 ± 78	59 ± 123	40 ± 71
c-myc + CD52	21 ± 29	2 ± 3	9 ± 26	206 ± 658	4 ± 5
c-myc + CD54	486 ± 834	86 ± 273	93 ± 270	375 ± 854	110 ± 270
c-myc + CD56	37 ± 43	132 ± 361	150 ± 263	70 ± 156	32 ± 38
c-myc + CD58	1323 ± 1983	562 ± 890	439 ± 863	1292 ± 2054	858 ± 1061
c-myc + CD62E	13 ± 34	4 ± 11	3 ± 6	1 ± 1	1 ± 1
c-myc + CD62P	3 ± 5	9 ± 25	2 ± 5	2 ± 5	2 ± 5
c-myc + CD68	461 ± 461	488 ± 483	449 ± 474	369 ± 481	428 ± 465
c-myc + CD7	188 ± 279	19 ± 57	76 ± 102	208 ± 443	37 ± 60
c-myc + CD8a	130 ± 165	43 ± 111	71 ± 114	111 ± 177	80 ± 115
c-myc + CK14	9077 ± 5457	5163 ± 5670	5548 ± 4205	7688 ± 6577	6691 ± 5141
c-myc + CLA	116 ± 102	32 ± 59	46 ± 64	104 ± 159	65 ± 64
c-myc + Collagen IV	5072 ± 5291	2537 ± 4489	3479 ± 4267	5907 ± 6709	3583 ± 4310
c-myc + FXIIIA	37 ± 68	25 ± 67	49 ± 80	32 ± 67	32 ± 66
c-myc + HLA-DR	2197 ± 2200	802 ± 1387	857 ± 1332	1325 ± 1602	946 ± 1353
c-myc + IL-22R	415 ± 251	386 ± 420	223 ± 276	321 ± 282	364 ± 279
c-myc + IL-23R	550 ± 585	211 ± 316	118 ± 241	378 ± 542	209 ± 339
c-myc + Ki67	238 ± 393	59 ± 95	54 ± 88	51 ± 86	47 ± 81
c-myc + PI	1749 ± 1422	1210 ± 1989	940 ± 767	1272 ± 1554	867 ± 679
c-myc + Podoplanin	907 ± 1437	431 ± 912	317 ± 545	1100 ± 2157	178 ± 465
c-myc + SNA1	7280 ± 5692	2258 ± 2609	3624 ± 2717	4829 ± 4708	3422 ± 2582
c-myc + STAT3	760 ± 659	1233 ± 2712	633 ± 1017	343 ± 336	377 ± 388
c-myc + TIA1	35 ± 57	20 ± 39	36 ± 63	53 ± 130	12 ± 25
c-myc + Vimentin	1617 ± 1348	794 ± 1328	874 ± 1242	1393 ± 1770	1008 ± 1279

Tabelle 587: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	14 ± 24	45 ± 138	9 ± 14	11 ± 24	3 ± 11
Collagen IV + BCL2	266 ± 235	130 ± 144	201 ± 173	223 ± 251	181 ± 138
Collagen IV + CCR6	10 ± 13	5 ± 10	7 ± 7	23 ± 34	9 ± 14
Collagen IV + CD11a	186 ± 283	28 ± 77	84 ± 124	158 ± 262	40 ± 76
Collagen IV + CD11b	135 ± 255	81 ± 258	91 ± 254	130 ± 263	105 ± 253
Collagen IV + CD120a	13 ± 18	6 ± 7	5 ± 6	29 ± 50	21 ± 25
Collagen IV + CD120b	33 ± 60	6 ± 21	11 ± 22	18 ± 35	11 ± 22
Collagen IV + CD138	722 ± 1295	224 ± 284	347 ± 386	304 ± 308	190 ± 222
Collagen IV + CD15	28 ± 42	10 ± 18	7 ± 14	68 ± 111	8 ± 14
Collagen IV + CD1a	7 ± 15	6 ± 10	8 ± 19	3 ± 7	4 ± 7
Collagen IV + CD2	93 ± 138	25 ± 46	66 ± 80	58 ± 79	47 ± 49
Collagen IV + CD207	4 ± 6	4 ± 6	7 ± 8	7 ± 9	4 ± 9
Collagen IV + CD24	15 ± 23	6 ± 19	9 ± 20	27 ± 50	7 ± 19
Collagen IV + CD28	69 ± 130	5 ± 9	14 ± 25	18 ± 28	14 ± 20
Collagen IV + CD29	2613 ± 2926	1241 ± 1981	1590 ± 1936	2097 ± 2374	1445 ± 1953
Collagen IV + CD3	99 ± 142	20 ± 48	64 ± 94	145 ± 269	56 ± 96
Collagen IV + CD31	69 ± 90	15 ± 30	18 ± 29	86 ± 170	19 ± 30
Collagen IV + CD4	146 ± 262	40 ± 115	60 ± 112	108 ± 202	51 ± 113
Collagen IV + CD44	1314 ± 1682	472 ± 767	855 ± 805	1055 ± 1135	668 ± 815
Collagen IV + CD45	114 ± 218	10 ± 25	55 ± 97	118 ± 286	16 ± 27
Collagen IV + CD45RA	65 ± 95	23 ± 67	31 ± 67	57 ± 98	28 ± 66
Collagen IV + CD45RO	69 ± 124	8 ± 26	40 ± 75	33 ± 56	22 ± 47
Collagen IV + CD52	12 ± 19	2 ± 4	9 ± 22	126 ± 391	3 ± 4
Collagen IV + CD54	377 ± 607	77 ± 232	91 ± 229	256 ± 426	87 ± 230
Collagen IV + CD56	27 ± 31	35 ± 56	33 ± 34	64 ± 137	29 ± 30
Collagen IV + CD58	690 ± 1453	186 ± 557	201 ± 557	701 ± 1276	284 ± 597
Collagen IV + CD62E	3 ± 8	0 ± 1	1 ± 2	1 ± 1	0 ± 1
Collagen IV + CD62P	2 ± 5	2 ± 5	2 ± 5	14 ± 41	2 ± 5
Collagen IV + CD68	309 ± 489	496 ± 439	414 ± 470	341 ± 474	393 ± 474
Collagen IV + CD7	108 ± 170	16 ± 47	89 ± 131	129 ± 212	24 ± 47
Collagen IV + CD8a	77 ± 98	34 ± 80	56 ± 84	72 ± 98	59 ± 85
Collagen IV + CK14	3963 ± 3678	2707 ± 3073	3791 ± 3024	4949 ± 4179	3534 ± 2933
Collagen IV + CLA	66 ± 70	22 ± 41	33 ± 39	73 ± 88	38 ± 39
Collagen IV + c-myc	5072 ± 5291	2537 ± 4489	3479 ± 4267	5907 ± 6709	3583 ± 4310
Collagen IV + FXIIIA	22 ± 61	21 ± 61	25 ± 60	27 ± 60	36 ± 68
Collagen IV + HLA-DR	1322 ± 1728	460 ± 1012	594 ± 997	801 ± 1058	501 ± 1008
Collagen IV + IL-22R	39 ± 68	29 ± 57	28 ± 57	37 ± 57	35 ± 58
Collagen IV + IL-23R	26 ± 52	21 ± 48	6 ± 14	85 ± 217	7 ± 14
Collagen IV + Ki67	63 ± 92	27 ± 46	33 ± 52	38 ± 50	30 ± 47
Collagen IV + PI	574 ± 578	360 ± 353	476 ± 390	733 ± 831	448 ± 389
Collagen IV + Podoplanin	418 ± 834	115 ± 242	100 ± 243	637 ± 1264	92 ± 245
Collagen IV + SNA1	4541 ± 4633	2186 ± 2158	3501 ± 2680	4152 ± 3791	2552 ± 2002
Collagen IV + STAT3	26 ± 63	134 ± 285	44 ± 104	34 ± 111	0 ± 1
Collagen IV + TIA1	25 ± 52	7 ± 17	16 ± 23	37 ± 81	8 ± 17
Collagen IV + Vimentin	866 ± 942	608 ± 839	684 ± 803	989 ± 1058	670 ± 848

Tabelle 588: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	2 ± 4	4 ± 8	24 ± 52	1 ± 4	2 ± 4
FXIIIA + BCL2	14 ± 29	7 ± 22	10 ± 22	7 ± 22	9 ± 22
FXIIIA + CCR6	3 ± 7	2 ± 6	15 ± 33	1 ± 3	0 ± 1
FXIIIA + CD11a	4 ± 12	4 ± 12	4 ± 12	7 ± 16	4 ± 12
FXIIIA + CD11b	9 ± 26	8 ± 26	9 ± 26	9 ± 26	10 ± 26
FXIIIA + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
FXIIIA + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD138	9 ± 24	4 ± 9	27 ± 55	3 ± 7	8 ± 18
FXIIIA + CD15	0 ± 0	0 ± 0	0 ± 1	1 ± 3	0 ± 0
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	1 ± 2	1 ± 2	1 ± 2	3 ± 9	2 ± 4
FXIIIA + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
FXIIIA + CD28	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
FXIIIA + CD29	25 ± 60	22 ± 61	47 ± 75	23 ± 61	25 ± 60
FXIIIA + CD3	2 ± 4	1 ± 3	1 ± 3	5 ± 8	1 ± 3
FXIIIA + CD31	3 ± 10	4 ± 10	17 ± 48	3 ± 10	3 ± 10
FXIIIA + CD4	6 ± 16	5 ± 16	5 ± 16	7 ± 16	6 ± 16
FXIIIA + CD44	9 ± 15	6 ± 14	11 ± 14	14 ± 24	23 ± 54
FXIIIA + CD45	3 ± 6	2 ± 6	2 ± 6	4 ± 9	2 ± 6
FXIIIA + CD45RA	3 ± 10	3 ± 10	4 ± 10	4 ± 10	3 ± 10
FXIIIA + CD45RO	3 ± 7	2 ± 7	3 ± 7	3 ± 7	3 ± 7
FXIIIA + CD52	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD54	11 ± 32	10 ± 32	10 ± 32	13 ± 32	10 ± 32
FXIIIA + CD56	2 ± 4	2 ± 7	23 ± 51	0 ± 1	1 ± 3
FXIIIA + CD58	3 ± 9	3 ± 9	8 ± 19	3 ± 9	3 ± 9
FXIIIA + CD62E	2 ± 7	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + CD62P	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
FXIIIA + CD68	9 ± 21	9 ± 21	10 ± 21	9 ± 21	23 ± 40
FXIIIA + CD7	1 ± 3	1 ± 3	1 ± 3	2 ± 5	1 ± 3
FXIIIA + CD8a	0 ± 1	0 ± 1	0 ± 1	3 ± 11	0 ± 1
FXIIIA + CK14	24 ± 33	14 ± 26	40 ± 52	19 ± 28	47 ± 82
FXIIIA + CLA	2 ± 3	1 ± 3	1 ± 3	1 ± 3	4 ± 6
FXIIIA + c-myc	37 ± 68	25 ± 67	49 ± 80	32 ± 67	32 ± 66
FXIIIA + Collagen IV	22 ± 61	21 ± 61	25 ± 60	27 ± 60	36 ± 68
FXIIIA + HLA-DR	16 ± 32	11 ± 33	15 ± 32	13 ± 32	13 ± 32
FXIIIA + IL-22R	5 ± 16	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + IL-23R	11 ± 26	4 ± 14	4 ± 14	5 ± 13	4 ± 14
FXIIIA + Ki67	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 3
FXIIIA + PI	5 ± 6	3 ± 5	22 ± 35	7 ± 11	21 ± 46
FXIIIA + Podoplanin	6 ± 12	6 ± 14	26 ± 51	7 ± 13	4 ± 13
FXIIIA + SNA1	27 ± 67	23 ± 68	27 ± 67	28 ± 67	43 ± 74
FXIIIA + STAT3	8 ± 24	2 ± 7	24 ± 56	0 ± 0	2 ± 5
FXIIIA + TIA1	0 ± 1	1 ± 4	8 ± 23	1 ± 3	0 ± 0
FXIIIA + Vimentin	18 ± 35	14 ± 35	19 ± 33	19 ± 37	29 ± 60

Tabelle 589: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	10 ± 19	33 ± 104	11 ± 18	2 ± 5	2 ± 5
HLA-DR + BCL2	593 ± 914	113 ± 78	258 ± 428	156 ± 154	151 ± 126
HLA-DR + CCR6	79 ± 108	26 ± 37	36 ± 37	83 ± 102	45 ± 53
HLA-DR + CD11a	533 ± 876	96 ± 249	196 ± 280	318 ± 465	120 ± 246
HLA-DR + CD11b	174 ± 291	99 ± 296	111 ± 293	117 ± 293	120 ± 291
HLA-DR + CD120a	54 ± 31	50 ± 55	45 ± 17	83 ± 68	73 ± 71
HLA-DR + CD120b	57 ± 82	7 ± 22	15 ± 27	21 ± 29	12 ± 25
HLA-DR + CD138	5302 ± 7353	1345 ± 1466	1810 ± 2178	2039 ± 2681	1599 ± 2050
HLA-DR + CD15	26 ± 31	7 ± 12	4 ± 8	44 ± 93	7 ± 8
HLA-DR + CD1a	149 ± 134	94 ± 116	68 ± 66	104 ± 84	235 ± 326
HLA-DR + CD2	392 ± 687	75 ± 191	135 ± 195	147 ± 214	119 ± 191
HLA-DR + CD207	191 ± 134	133 ± 72	183 ± 136	217 ± 174	232 ± 192
HLA-DR + CD24	48 ± 86	25 ± 78	30 ± 77	41 ± 78	47 ± 93
HLA-DR + CD28	294 ± 720	21 ± 55	36 ± 59	42 ± 58	31 ± 60
HLA-DR + CD29	5787 ± 7204	1796 ± 2457	1986 ± 2720	2148 ± 2606	2080 ± 2650
HLA-DR + CD3	417 ± 649	87 ± 245	195 ± 314	244 ± 337	166 ± 290
HLA-DR + CD31	49 ± 68	6 ± 11	9 ± 11	8 ± 12	6 ± 11
HLA-DR + CD4	312 ± 703	57 ± 156	83 ± 153	162 ± 308	69 ± 155
HLA-DR + CD44	6506 ± 8246	1962 ± 3091	2692 ± 3333	3500 ± 3688	2697 ± 3510
HLA-DR + CD45	485 ± 1071	42 ± 113	134 ± 183	205 ± 377	63 ± 118
HLA-DR + CD45RA	142 ± 232	42 ± 119	54 ± 119	80 ± 147	47 ± 118
HLA-DR + CD45RO	297 ± 658	37 ± 123	101 ± 159	110 ± 162	93 ± 176
HLA-DR + CD52	35 ± 65	7 ± 21	13 ± 27	114 ± 334	9 ± 20
HLA-DR + CD54	1359 ± 2317	209 ± 671	233 ± 665	413 ± 808	243 ± 667
HLA-DR + CD56	12 ± 14	20 ± 42	19 ± 28	11 ± 17	8 ± 12
HLA-DR + CD58	2399 ± 4625	714 ± 1538	592 ± 1527	923 ± 1653	1218 ± 2050
HLA-DR + CD62E	2 ± 3	2 ± 3	2 ± 4	1 ± 3	1 ± 3
HLA-DR + CD62P	4 ± 7	3 ± 5	2 ± 5	3 ± 7	2 ± 5
HLA-DR + CD68	310 ± 343	380 ± 318	258 ± 331	316 ± 379	250 ± 338
HLA-DR + CD7	365 ± 643	51 ± 156	149 ± 215	222 ± 311	73 ± 159
HLA-DR + CD8a	156 ± 179	46 ± 126	81 ± 133	82 ± 125	78 ± 139
HLA-DR + CK14	8404 ± 8771	3285 ± 4018	3986 ± 4702	5102 ± 5571	4029 ± 4534
HLA-DR + CLA	248 ± 238	77 ± 164	139 ± 185	172 ± 184	135 ± 165
HLA-DR + c-myc	2197 ± 2200	802 ± 1387	857 ± 1332	1325 ± 1602	946 ± 1353
HLA-DR + Collagen IV	1322 ± 1728	460 ± 1012	594 ± 997	801 ± 1058	501 ± 1008
HLA-DR + FXIIIA	16 ± 32	11 ± 33	15 ± 32	13 ± 32	13 ± 32
HLA-DR + IL-22R	582 ± 519	492 ± 571	366 ± 523	508 ± 610	485 ± 486
HLA-DR + IL-23R	217 ± 299	313 ± 601	31 ± 57	214 ± 416	54 ± 58
HLA-DR + Ki67	276 ± 341	143 ± 252	195 ± 319	222 ± 332	147 ± 250
HLA-DR + PI	2373 ± 2308	1081 ± 1124	1253 ± 1353	1859 ± 2558	1563 ± 1867
HLA-DR + Podoplanin	2352 ± 4768	433 ± 1170	421 ± 1172	863 ± 1602	405 ± 1177
HLA-DR + SNA1	4039 ± 6779	703 ± 1033	915 ± 1158	966 ± 1084	794 ± 1128
HLA-DR + STAT3	447 ± 493	471 ± 888	107 ± 126	257 ± 495	113 ± 115
HLA-DR + TIA1	42 ± 71	7 ± 19	13 ± 20	20 ± 40	9 ± 19
HLA-DR + Vimentin	1744 ± 1663	885 ± 1170	980 ± 1219	1240 ± 1376	907 ± 1200

Tabelle 590: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 1	2 ± 5	0 ± 1	0 ± 1	0 ± 1
IL-22R + BCL2	105 ± 136	203 ± 412	88 ± 137	73 ± 139	101 ± 155
IL-22R + CCR6	10 ± 11	17 ± 35	6 ± 8	19 ± 30	28 ± 55
IL-22R + CD11a	18 ± 25	11 ± 24	12 ± 24	14 ± 23	13 ± 23
IL-22R + CD11b	5 ± 12	4 ± 12	4 ± 12	5 ± 12	4 ± 12
IL-22R + CD120a	23 ± 19	39 ± 55	17 ± 15	26 ± 22	88 ± 190
IL-22R + CD120b	1 ± 3	4 ± 9	2 ± 3	2 ± 4	1 ± 2
IL-22R + CD138	1296 ± 698	894 ± 713	919 ± 1000	882 ± 695	1028 ± 652
IL-22R + CD15	1 ± 2	5 ± 12	1 ± 2	2 ± 3	2 ± 2
IL-22R + CD1a	35 ± 35	56 ± 73	14 ± 14	39 ± 61	49 ± 50
IL-22R + CD2	16 ± 19	8 ± 17	10 ± 17	11 ± 17	12 ± 17
IL-22R + CD207	47 ± 47	98 ± 145	39 ± 48	68 ± 76	67 ± 56
IL-22R + CD24	6 ± 16	5 ± 16	5 ± 16	5 ± 16	5 ± 16
IL-22R + CD28	10 ± 23	4 ± 8	3 ± 4	4 ± 6	2 ± 4
IL-22R + CD29	942 ± 896	905 ± 967	710 ± 999	763 ± 955	939 ± 909
IL-22R + CD3	18 ± 29	10 ± 26	13 ± 27	19 ± 32	11 ± 26
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	9 ± 17	4 ± 11	4 ± 11	6 ± 11	5 ± 11
IL-22R + CD44	1132 ± 886	983 ± 966	1021 ± 1158	989 ± 926	1146 ± 876
IL-22R + CD45	15 ± 27	5 ± 9	6 ± 9	17 ± 36	7 ± 9
IL-22R + CD45RA	6 ± 12	4 ± 12	4 ± 12	4 ± 12	4 ± 12
IL-22R + CD45RO	7 ± 12	4 ± 8	4 ± 7	5 ± 8	4 ± 7
IL-22R + CD52	5 ± 13	0 ± 1	0 ± 1	19 ± 63	1 ± 1
IL-22R + CD54	58 ± 112	32 ± 105	33 ± 105	36 ± 104	34 ± 104
IL-22R + CD56	1 ± 2	1 ± 2	1 ± 1	2 ± 5	0 ± 1
IL-22R + CD58	517 ± 615	503 ± 605	314 ± 563	402 ± 541	424 ± 518
IL-22R + CD62E	1 ± 2	2 ± 7	1 ± 1	0 ± 1	0 ± 1
IL-22R + CD62P	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	56 ± 106	79 ± 109	55 ± 107	61 ± 105	76 ± 102
IL-22R + CD7	12 ± 18	5 ± 16	8 ± 16	13 ± 20	6 ± 16
IL-22R + CD8a	10 ± 18	6 ± 16	7 ± 16	8 ± 16	7 ± 16
IL-22R + CK14	2038 ± 1373	1674 ± 1554	1629 ± 1775	1625 ± 1482	1978 ± 1394
IL-22R + CLA	26 ± 27	22 ± 30	20 ± 29	21 ± 29	28 ± 34
IL-22R + c-myc	415 ± 251	386 ± 420	223 ± 276	321 ± 282	364 ± 279
IL-22R + Collagen IV	39 ± 68	29 ± 57	28 ± 57	37 ± 57	35 ± 58
IL-22R + FXIIIA	5 ± 16	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + HLA-DR	582 ± 519	492 ± 571	366 ± 523	508 ± 610	485 ± 486
IL-22R + IL-23R	195 ± 233	219 ± 394	48 ± 79	136 ± 211	68 ± 76
IL-22R + Ki67	57 ± 102	85 ± 118	64 ± 105	55 ± 104	75 ± 100
IL-22R + PI	403 ± 458	540 ± 551	395 ± 487	430 ± 457	567 ± 406
IL-22R + Podoplanin	224 ± 445	114 ± 359	122 ± 358	197 ± 392	115 ± 359
IL-22R + SNA1	194 ± 301	125 ± 167	77 ± 108	85 ± 102	98 ± 101
IL-22R + STAT3	465 ± 437	460 ± 582	142 ± 230	266 ± 288	273 ± 251
IL-22R + TIA1	2 ± 2	2 ± 5	1 ± 1	1 ± 2	2 ± 4
IL-22R + Vimentin	156 ± 154	161 ± 162	128 ± 170	168 ± 165	178 ± 166

Tabelle 591: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-23R + BCL2	200 ± 294	86 ± 142	34 ± 35	61 ± 71	49 ± 54
IL-23R + CCR6	14 ± 21	8 ± 17	6 ± 17	24 ± 34	26 ± 46
IL-23R + CD11a	8 ± 11	2 ± 4	2 ± 4	13 ± 33	2 ± 4
IL-23R + CD11b	8 ± 16	5 ± 16	5 ± 16	8 ± 16	6 ± 15
IL-23R + CD120a	24 ± 41	30 ± 70	9 ± 13	26 ± 35	13 ± 17
IL-23R + CD120b	0 ± 1	0 ± 1	1 ± 2	2 ± 6	0 ± 0
IL-23R + CD138	718 ± 815	817 ± 1353	179 ± 453	442 ± 566	252 ± 447
IL-23R + CD15	3 ± 7	3 ± 7	2 ± 7	4 ± 7	3 ± 7
IL-23R + CD1a	32 ± 51	71 ± 120	17 ± 38	36 ± 44	30 ± 38
IL-23R + CD2	6 ± 9	3 ± 7	3 ± 7	10 ± 15	4 ± 7
IL-23R + CD207	25 ± 36	41 ± 58	13 ± 25	31 ± 41	21 ± 25
IL-23R + CD24	3 ± 6	1 ± 3	1 ± 3	2 ± 4	1 ± 3
IL-23R + CD28	3 ± 8	0 ± 0	1 ± 1	2 ± 6	0 ± 0
IL-23R + CD29	386 ± 743	574 ± 1045	80 ± 135	292 ± 358	112 ± 126
IL-23R + CD3	4 ± 7	1 ± 2	1 ± 2	11 ± 20	2 ± 5
IL-23R + CD31	3 ± 9	3 ± 9	3 ± 9	3 ± 9	3 ± 9
IL-23R + CD4	6 ± 11	4 ± 11	3 ± 11	18 ± 43	3 ± 11
IL-23R + CD44	381 ± 507	670 ± 1159	113 ± 280	302 ± 369	156 ± 270
IL-23R + CD45	9 ± 14	3 ± 6	4 ± 7	25 ± 68	4 ± 6
IL-23R + CD45RA	2 ± 3	1 ± 2	1 ± 2	2 ± 4	1 ± 2
IL-23R + CD45RO	7 ± 12	3 ± 10	5 ± 10	23 ± 49	7 ± 14
IL-23R + CD52	6 ± 18	0 ± 0	0 ± 0	14 ± 46	0 ± 0
IL-23R + CD54	31 ± 55	7 ± 20	7 ± 20	72 ± 204	10 ± 21
IL-23R + CD56	1 ± 3	0 ± 1	0 ± 0	1 ± 3	0 ± 0
IL-23R + CD58	232 ± 300	305 ± 550	62 ± 123	173 ± 246	92 ± 119
IL-23R + CD62E	3 ± 8	3 ± 8	1 ± 1	1 ± 1	1 ± 1
IL-23R + CD62P	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
IL-23R + CD68	32 ± 47	55 ± 77	23 ± 42	39 ± 43	25 ± 42
IL-23R + CD7	4 ± 6	1 ± 2	1 ± 2	8 ± 18	1 ± 2
IL-23R + CD8a	3 ± 5	1 ± 1	0 ± 1	2 ± 4	1 ± 2
IL-23R + CK14	957 ± 1100	979 ± 1695	195 ± 470	643 ± 825	386 ± 643
IL-23R + CLA	5 ± 7	2 ± 5	2 ± 5	6 ± 10	6 ± 9
IL-23R + c-myc	550 ± 585	211 ± 316	118 ± 241	378 ± 542	209 ± 339
IL-23R + Collagen IV	26 ± 52	21 ± 48	6 ± 14	85 ± 217	7 ± 14
IL-23R + FXIIIA	11 ± 26	4 ± 14	4 ± 14	5 ± 13	4 ± 14
IL-23R + HLA-DR	217 ± 299	313 ± 601	31 ± 57	214 ± 416	54 ± 58
IL-23R + IL-22R	195 ± 233	219 ± 394	48 ± 79	136 ± 211	68 ± 76
IL-23R + Ki67	33 ± 56	62 ± 131	4 ± 7	5 ± 9	5 ± 7
IL-23R + PI	253 ± 500	401 ± 811	35 ± 83	106 ± 137	69 ± 110
IL-23R + Podoplanin	35 ± 102	2 ± 6	2 ± 6	73 ± 204	2 ± 6
IL-23R + SNA1	221 ± 481	133 ± 266	15 ± 24	48 ± 73	23 ± 28
IL-23R + STAT3	637 ± 706	662 ± 1210	118 ± 271	272 ± 407	249 ± 440
IL-23R + TIA1	1 ± 2	0 ± 0	0 ± 0	2 ± 5	0 ± 0
IL-23R + Vimentin	97 ± 138	131 ± 208	41 ± 85	159 ± 248	60 ± 84

Tabelle 592: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	2 ± 5	0 ± 1	0 ± 1	0 ± 0
Ki67 + BCL2	373 ± 633	75 ± 152	516 ± 1048	69 ± 153	45 ± 43
Ki67 + CCR6	4 ± 5	1 ± 2	3 ± 4	5 ± 8	5 ± 13
Ki67 + CD11a	13 ± 21	5 ± 14	8 ± 14	7 ± 14	6 ± 13
Ki67 + CD11b	1 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + CD120a	2 ± 2	3 ± 5	4 ± 10	1 ± 2	4 ± 7
Ki67 + CD120b	1 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CD138	727 ± 712	319 ± 424	606 ± 815	277 ± 275	396 ± 492
Ki67 + CD15	0 ± 0	4 ± 14	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD1a	3 ± 4	6 ± 11	8 ± 21	2 ± 4	4 ± 7
Ki67 + CD2	16 ± 22	5 ± 12	12 ± 17	7 ± 12	8 ± 12
Ki67 + CD207	8 ± 9	19 ± 28	15 ± 16	11 ± 13	13 ± 21
Ki67 + CD24	5 ± 13	4 ± 13	4 ± 13	5 ± 13	10 ± 21
Ki67 + CD28	6 ± 12	1 ± 3	2 ± 3	2 ± 3	1 ± 3
Ki67 + CD29	780 ± 821	349 ± 479	405 ± 504	297 ± 417	376 ± 410
Ki67 + CD3	16 ± 25	7 ± 21	15 ± 25	9 ± 21	10 ± 21
Ki67 + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	4 ± 8	2 ± 7	3 ± 6	2 ± 7	2 ± 6
Ki67 + CD44	578 ± 553	280 ± 343	574 ± 751	358 ± 369	437 ± 670
Ki67 + CD45	9 ± 18	2 ± 6	6 ± 9	2 ± 6	2 ± 6
Ki67 + CD45RA	8 ± 17	5 ± 15	5 ± 15	5 ± 15	5 ± 15
Ki67 + CD45RO	6 ± 14	2 ± 6	5 ± 7	3 ± 6	4 ± 8
Ki67 + CD52	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD54	46 ± 93	21 ± 69	23 ± 69	23 ± 69	22 ± 69
Ki67 + CD56	0 ± 0	1 ± 3	1 ± 1	0 ± 0	1 ± 2
Ki67 + CD58	228 ± 426	76 ± 146	77 ± 151	57 ± 148	65 ± 146
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	33 ± 46	59 ± 59	35 ± 46	61 ± 79	44 ± 51
Ki67 + CD7	15 ± 25	6 ± 19	16 ± 23	13 ± 24	7 ± 19
Ki67 + CD8a	8 ± 9	2 ± 4	4 ± 6	3 ± 4	4 ± 5
Ki67 + CK14	1758 ± 994	966 ± 849	1706 ± 2093	1286 ± 1048	1333 ± 1141
Ki67 + CLA	13 ± 16	6 ± 13	9 ± 14	13 ± 17	12 ± 13
Ki67 + c-myc	238 ± 393	59 ± 95	54 ± 88	51 ± 86	47 ± 81
Ki67 + Collagen IV	63 ± 92	27 ± 46	33 ± 52	38 ± 50	30 ± 47
Ki67 + FXIIIA	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 3
Ki67 + HLA-DR	276 ± 341	143 ± 252	195 ± 319	222 ± 332	147 ± 250
Ki67 + IL-22R	57 ± 102	85 ± 118	64 ± 105	55 ± 104	75 ± 100
Ki67 + IL-23R	33 ± 56	62 ± 131	4 ± 7	5 ± 9	5 ± 7
Ki67 + PI	1524 ± 891	838 ± 750	1531 ± 1948	1166 ± 976	1171 ± 1055
Ki67 + Podoplanin	159 ± 319	22 ± 56	25 ± 59	24 ± 57	19 ± 57
Ki67 + SNA1	299 ± 522	55 ± 113	57 ± 82	36 ± 48	54 ± 72
Ki67 + STAT3	45 ± 56	167 ± 425	12 ± 28	11 ± 28	14 ± 27
Ki67 + TIA1	1 ± 1	0 ± 0	0 ± 1	0 ± 0	0 ± 1
Ki67 + Vimentin	134 ± 107	97 ± 114	112 ± 139	128 ± 129	101 ± 132

Tabelle 593: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	7 ± 10	245 ± 804	68 ± 142	3 ± 5	4 ± 6
PI + BCL2	1947 ± 1897	670 ± 745	1691 ± 2279	563 ± 545	769 ± 517
PI + CCR6	65 ± 101	42 ± 72	66 ± 90	67 ± 64	79 ± 102
PI + CD11a	457 ± 955	66 ± 136	199 ± 247	243 ± 364	103 ± 128
PI + CD11b	56 ± 79	26 ± 66	32 ± 64	34 ± 63	36 ± 63
PI + CD120a	24 ± 17	48 ± 81	32 ± 31	34 ± 29	81 ± 143
PI + CD120b	34 ± 53	6 ± 13	11 ± 22	13 ± 22	7 ± 10
PI + CD138	5449 ± 4894	2305 ± 1844	3935 ± 3972	2587 ± 1840	3333 ± 3435
PI + CD15	8 ± 12	22 ± 59	3 ± 7	16 ± 26	5 ± 8
PI + CD1a	39 ± 49	51 ± 74	38 ± 78	35 ± 34	150 ± 258
PI + CD2	496 ± 979	85 ± 160	253 ± 294	179 ± 196	179 ± 152
PI + CD207	82 ± 104	118 ± 182	90 ± 70	106 ± 98	161 ± 210
PI + CD24	23 ± 46	5 ± 12	7 ± 15	8 ± 12	36 ± 95
PI + CD28	272 ± 743	15 ± 30	37 ± 65	26 ± 33	21 ± 36
PI + CD29	6429 ± 5879	2697 ± 2285	3614 ± 3007	3443 ± 2487	4065 ± 2909
PI + CD3	421 ± 775	72 ± 167	231 ± 355	237 ± 307	178 ± 257
PI + CD31	38 ± 51	9 ± 13	37 ± 95	28 ± 60	6 ± 10
PI + CD4	274 ± 736	31 ± 84	55 ± 91	106 ± 228	40 ± 83
PI + CD44	4617 ± 4061	1803 ± 1557	3718 ± 3039	3384 ± 1907	3565 ± 3419
PI + CD45	412 ± 1036	24 ± 48	142 ± 229	154 ± 311	44 ± 57
PI + CD45RA	119 ± 219	34 ± 77	61 ± 91	91 ± 163	45 ± 74
PI + CD45RO	287 ± 771	25 ± 70	107 ± 154	73 ± 95	84 ± 136
PI + CD52	34 ± 74	5 ± 8	14 ± 32	81 ± 238	7 ± 7
PI + CD54	785 ± 1842	77 ± 242	94 ± 240	199 ± 357	107 ± 249
PI + CD56	13 ± 19	76 ± 167	92 ± 181	13 ± 19	15 ± 20
PI + CD58	1312 ± 2112	575 ± 994	517 ± 1020	981 ± 1558	1331 ± 2293
PI + CD62E	11 ± 27	3 ± 10	4 ± 10	3 ± 10	3 ± 10
PI + CD62P	7 ± 18	9 ± 19	6 ± 17	17 ± 41	8 ± 19
PI + CD68	723 ± 740	931 ± 687	751 ± 706	728 ± 766	806 ± 776
PI + CD7	355 ± 777	38 ± 94	207 ± 285	230 ± 287	75 ± 116
PI + CD8a	207 ± 222	66 ± 147	132 ± 149	123 ± 157	137 ± 165
PI + CK14	13435 ± 7513	7798 ± 3692	11470 ± 6992	11078 ± 4359	12031 ± 5645
PI + CLA	209 ± 277	66 ± 108	119 ± 113	150 ± 127	161 ± 136
PI + c-myc	1749 ± 1422	1210 ± 1989	940 ± 767	1272 ± 1554	867 ± 679
PI + Collagen IV	574 ± 578	360 ± 353	476 ± 390	733 ± 831	448 ± 389
PI + FXIIIA	5 ± 6	3 ± 5	22 ± 35	7 ± 11	21 ± 46
PI + HLA-DR	2373 ± 2308	1081 ± 1124	1253 ± 1353	1859 ± 2558	1563 ± 1867
PI + IL-22R	403 ± 458	540 ± 551	395 ± 487	430 ± 457	567 ± 406
PI + IL-23R	253 ± 500	401 ± 811	35 ± 83	106 ± 137	69 ± 110
PI + Ki67	1524 ± 891	838 ± 750	1531 ± 1948	1166 ± 976	1171 ± 1055
PI + Podoplanin	1445 ± 1754	384 ± 665	365 ± 597	1049 ± 1883	219 ± 574
PI + SNA1	2156 ± 2824	416 ± 447	620 ± 685	622 ± 775	607 ± 751
PI + STAT3	520 ± 761	1216 ± 2003	385 ± 708	277 ± 462	182 ± 174
PI + TIA1	25 ± 24	12 ± 16	34 ± 40	21 ± 26	13 ± 15
PI + Vimentin	2052 ± 1660	1044 ± 647	1391 ± 780	1546 ± 746	1389 ± 919

Tabelle 594: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	2 ± 7	232 ± 760	73 ± 162	2 ± 7	2 ± 7
Podoplanin + BCL2	482 ± 965	39 ± 85	37 ± 68	65 ± 108	14 ± 29
Podoplanin + CCR6	34 ± 57	66 ± 181	67 ± 144	58 ± 149	3 ± 6
Podoplanin + CD11a	110 ± 216	9 ± 30	15 ± 32	95 ± 235	10 ± 30
Podoplanin + CD11b	20 ± 31	10 ± 31	10 ± 31	16 ± 34	11 ± 31
Podoplanin + CD120a	7 ± 14	4 ± 11	5 ± 11	10 ± 20	4 ± 11
Podoplanin + CD120b	7 ± 16	1 ± 2	1 ± 2	33 ± 100	1 ± 2
Podoplanin + CD138	3221 ± 7212	600 ± 1183	603 ± 1020	1599 ± 2979	352 ± 967
Podoplanin + CD15	3 ± 6	1 ± 3	0 ± 0	5 ± 12	0 ± 0
Podoplanin + CD1a	21 ± 54	5 ± 16	5 ± 16	27 ± 64	6 ± 16
Podoplanin + CD2	99 ± 187	11 ± 38	17 ± 39	100 ± 255	12 ± 38
Podoplanin + CD207	9 ± 14	2 ± 4	3 ± 4	39 ± 82	2 ± 4
Podoplanin + CD24	36 ± 113	34 ± 113	34 ± 113	39 ± 112	36 ± 113
Podoplanin + CD28	34 ± 71	2 ± 6	3 ± 7	33 ± 92	2 ± 6
Podoplanin + CD29	3831 ± 7056	843 ± 1686	823 ± 1644	2898 ± 5449	591 ± 1633
Podoplanin + CD3	120 ± 222	18 ± 61	29 ± 67	311 ± 787	21 ± 61
Podoplanin + CD31	0 ± 1	5 ± 15	39 ± 128	0 ± 1	0 ± 1
Podoplanin + CD4	34 ± 61	10 ± 30	10 ± 29	89 ± 237	11 ± 29
Podoplanin + CD44	4179 ± 7593	585 ± 1868	808 ± 1908	3634 ± 6952	647 ± 1859
Podoplanin + CD45	55 ± 93	4 ± 12	9 ± 20	261 ± 810	4 ± 12
Podoplanin + CD45RA	30 ± 49	8 ± 26	11 ± 27	34 ± 84	8 ± 26
Podoplanin + CD45RO	30 ± 51	7 ± 22	10 ± 23	48 ± 116	7 ± 22
Podoplanin + CD52	4 ± 7	1 ± 2	1 ± 3	430 ± 1417	1 ± 2
Podoplanin + CD54	807 ± 1464	101 ± 334	102 ± 334	422 ± 1038	109 ± 332
Podoplanin + CD56	3 ± 5	127 ± 286	67 ± 148	11 ± 29	2 ± 4
Podoplanin + CD58	2167 ± 5571	332 ± 1070	348 ± 1066	2063 ± 4239	390 ± 1070
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	4 ± 13	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	57 ± 77	77 ± 127	32 ± 67	32 ± 70	26 ± 68
Podoplanin + CD7	92 ± 181	8 ± 26	16 ± 30	247 ± 616	9 ± 26
Podoplanin + CD8a	63 ± 96	16 ± 54	18 ± 54	63 ± 125	17 ± 54
Podoplanin + CK14	5153 ± 8149	1253 ± 2621	1216 ± 2582	5046 ± 9786	905 ± 2589
Podoplanin + CLA	53 ± 71	15 ± 50	17 ± 50	44 ± 82	18 ± 50
Podoplanin + c-myc	907 ± 1437	431 ± 912	317 ± 545	1100 ± 2157	178 ± 465
Podoplanin + Collagen IV	418 ± 834	115 ± 242	100 ± 243	637 ± 1264	92 ± 245
Podoplanin + FXIIIA	6 ± 12	6 ± 14	26 ± 51	7 ± 13	4 ± 13
Podoplanin + HLA-DR	2352 ± 4768	433 ± 1170	421 ± 1172	863 ± 1602	405 ± 1177
Podoplanin + IL-22R	224 ± 445	114 ± 359	122 ± 358	197 ± 392	115 ± 359
Podoplanin + IL-23R	35 ± 102	2 ± 6	2 ± 6	73 ± 204	2 ± 6
Podoplanin + Ki67	159 ± 319	22 ± 56	25 ± 59	24 ± 57	19 ± 57
Podoplanin + PI	1445 ± 1754	384 ± 665	365 ± 597	1049 ± 1883	219 ± 574
Podoplanin + SNA1	1973 ± 5588	137 ± 287	129 ± 299	812 ± 1696	124 ± 293
Podoplanin + STAT3	81 ± 235	278 ± 823	153 ± 380	153 ± 451	0 ± 1
Podoplanin + TIA1	17 ± 38	11 ± 31	23 ± 63	14 ± 35	3 ± 6
Podoplanin + Vimentin	584 ± 778	200 ± 401	167 ± 391	573 ± 1111	137 ± 396

Tabelle 595: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	16 ± 24	29 ± 83	8 ± 15	11 ± 26	3 ± 11
SNA1 + BCL2	862 ± 1330	102 ± 85	267 ± 361	118 ± 92	129 ± 92
SNA1 + CCR6	66 ± 96	11 ± 16	15 ± 20	41 ± 53	32 ± 52
SNA1 + CD11a	498 ± 901	40 ± 106	142 ± 185	196 ± 328	60 ± 108
SNA1 + CD11b	190 ± 274	83 ± 249	104 ± 244	153 ± 281	103 ± 244
SNA1 + CD120a	34 ± 34	16 ± 17	17 ± 13	42 ± 48	34 ± 34
SNA1 + CD120b	65 ± 98	7 ± 22	19 ± 32	21 ± 40	13 ± 24
SNA1 + CD138	5013 ± 9512	568 ± 807	862 ± 1268	479 ± 536	657 ± 1003
SNA1 + CD15	42 ± 56	10 ± 17	7 ± 12	89 ± 163	9 ± 11
SNA1 + CD1a	45 ± 68	33 ± 55	24 ± 39	29 ± 51	84 ± 170
SNA1 + CD2	398 ± 773	40 ± 80	108 ± 122	121 ± 202	82 ± 82
SNA1 + CD207	53 ± 101	31 ± 51	37 ± 47	38 ± 59	45 ± 78
SNA1 + CD24	33 ± 54	9 ± 29	15 ± 30	45 ± 89	34 ± 77
SNA1 + CD28	269 ± 668	9 ± 21	25 ± 38	30 ± 47	21 ± 32
SNA1 + CD29	7816 ± 10989	1575 ± 1818	2309 ± 2348	2250 ± 2368	1994 ± 2039
SNA1 + CD3	367 ± 647	29 ± 74	123 ± 183	216 ± 428	95 ± 159
SNA1 + CD31	80 ± 106	15 ± 28	19 ± 28	76 ± 143	19 ± 28
SNA1 + CD4	331 ± 795	44 ± 116	81 ± 119	144 ± 287	57 ± 114
SNA1 + CD44	5460 ± 9380	815 ± 1167	1581 ± 1644	1558 ± 1907	1266 ± 1493
SNA1 + CD45	448 ± 1067	20 ± 56	110 ± 163	162 ± 378	38 ± 66
SNA1 + CD45RA	124 ± 212	21 ± 50	35 ± 55	61 ± 106	24 ± 49
SNA1 + CD45RO	307 ± 744	18 ± 61	82 ± 125	89 ± 161	70 ± 138
SNA1 + CD52	37 ± 77	5 ± 11	12 ± 25	117 ± 350	7 ± 10
SNA1 + CD54	1090 ± 1991	90 ± 271	125 ± 270	277 ± 470	100 ± 269
SNA1 + CD56	32 ± 35	27 ± 41	27 ± 42	48 ± 117	23 ± 27
SNA1 + CD58	2343 ± 5441	258 ± 607	238 ± 612	585 ± 1023	492 ± 852
SNA1 + CD62E	13 ± 40	1 ± 1	3 ± 8	1 ± 1	1 ± 1
SNA1 + CD62P	4 ± 8	3 ± 5	2 ± 5	15 ± 42	3 ± 6
SNA1 + CD68	404 ± 401	481 ± 342	371 ± 352	319 ± 371	357 ± 378
SNA1 + CD7	359 ± 646	16 ± 46	145 ± 206	155 ± 274	35 ± 55
SNA1 + CD8a	168 ± 219	30 ± 56	64 ± 71	69 ± 83	62 ± 67
SNA1 + CK14	9805 ± 11022	3092 ± 2184	4875 ± 3276	4616 ± 3008	4019 ± 2117
SNA1 + CLA	172 ± 202	26 ± 50	62 ± 81	91 ± 102	69 ± 70
SNA1 + c-myc	7280 ± 5692	2258 ± 2609	3624 ± 2717	4829 ± 4708	3422 ± 2582
SNA1 + Collagen IV	4541 ± 4633	2186 ± 2158	3501 ± 2680	4152 ± 3791	2552 ± 2002
SNA1 + FXIIIA	27 ± 67	23 ± 68	27 ± 67	28 ± 67	43 ± 74
SNA1 + HLA-DR	4039 ± 6779	703 ± 1033	915 ± 1158	966 ± 1084	794 ± 1128
SNA1 + IL-22R	194 ± 301	125 ± 167	77 ± 108	85 ± 102	98 ± 101
SNA1 + IL-23R	221 ± 481	133 ± 266	15 ± 24	48 ± 73	23 ± 28
SNA1 + Ki67	299 ± 522	55 ± 113	57 ± 82	36 ± 48	54 ± 72
SNA1 + PI	2156 ± 2824	416 ± 447	620 ± 685	622 ± 775	607 ± 751
SNA1 + Podoplanin	1973 ± 5588	137 ± 287	129 ± 299	812 ± 1696	124 ± 293
SNA1 + STAT3	288 ± 646	354 ± 923	17 ± 33	34 ± 80	6 ± 6
SNA1 + TIA1	44 ± 93	4 ± 11	14 ± 19	47 ± 119	7 ± 11
SNA1 + Vimentin	1800 ± 1746	664 ± 750	832 ± 738	931 ± 904	677 ± 665

Tabelle 596: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	1 ± 2	503 ± 1667	103 ± 230	0 ± 0	2 ± 6
STAT3 + BCL2	179 ± 184	255 ± 507	54 ± 62	59 ± 62	102 ± 155
STAT3 + CCR6	14 ± 21	77 ± 186	71 ± 152	21 ± 31	41 ± 76
STAT3 + CD11a	14 ± 20	1 ± 3	1 ± 2	3 ± 5	3 ± 5
STAT3 + CD11b	4 ± 7	1 ± 4	1 ± 4	5 ± 13	1 ± 4
STAT3 + CD120a	18 ± 36	17 ± 22	9 ± 15	8 ± 10	33 ± 67
STAT3 + CD120b	4 ± 7	1 ± 4	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD138	1844 ± 1939	2158 ± 3130	838 ± 1230	954 ± 1027	755 ± 624
STAT3 + CD15	2 ± 4	3 ± 5	1 ± 2	1 ± 2	1 ± 2
STAT3 + CD1a	59 ± 100	80 ± 117	20 ± 38	39 ± 49	46 ± 63
STAT3 + CD2	15 ± 23	3 ± 6	2 ± 7	9 ± 15	5 ± 9
STAT3 + CD207	43 ± 69	84 ± 133	32 ± 40	42 ± 45	38 ± 57
STAT3 + CD24	5 ± 11	1 ± 2	0 ± 0	1 ± 3	0 ± 0
STAT3 + CD28	11 ± 31	0 ± 1	0 ± 0	0 ± 1	0 ± 0
STAT3 + CD29	769 ± 1017	1529 ± 2267	527 ± 839	471 ± 556	278 ± 321
STAT3 + CD3	13 ± 20	1 ± 3	1 ± 3	8 ± 12	1 ± 3
STAT3 + CD31	0 ± 0	7 ± 21	49 ± 162	0 ± 1	0 ± 0
STAT3 + CD4	7 ± 21	1 ± 3	0 ± 1	2 ± 4	1 ± 4
STAT3 + CD44	1004 ± 1239	1011 ± 1550	291 ± 350	629 ± 660	452 ± 414
STAT3 + CD45	17 ± 36	1 ± 2	1 ± 2	3 ± 6	2 ± 4
STAT3 + CD45RA	3 ± 4	1 ± 3	4 ± 10	1 ± 3	1 ± 3
STAT3 + CD45RO	8 ± 20	0 ± 1	1 ± 2	5 ± 13	4 ± 11
STAT3 + CD52	7 ± 20	0 ± 1	0 ± 0	6 ± 19	1 ± 2
STAT3 + CD54	30 ± 71	0 ± 1	0 ± 1	4 ± 8	1 ± 1
STAT3 + CD56	3 ± 7	128 ± 363	120 ± 273	1 ± 3	3 ± 8
STAT3 + CD58	514 ± 611	503 ± 647	143 ± 214	373 ± 685	190 ± 201
STAT3 + CD62E	5 ± 9	5 ± 11	2 ± 5	2 ± 5	2 ± 5
STAT3 + CD62P	4 ± 9	10 ± 25	3 ± 9	3 ± 9	3 ± 9
STAT3 + CD68	11 ± 11	103 ± 191	34 ± 74	13 ± 10	16 ± 29
STAT3 + CD7	13 ± 23	1 ± 2	1 ± 2	9 ± 17	1 ± 3
STAT3 + CD8a	11 ± 23	1 ± 2	1 ± 2	2 ± 3	1 ± 2
STAT3 + CK14	2219 ± 2306	2529 ± 3529	959 ± 1446	1113 ± 1273	981 ± 1005
STAT3 + CLA	15 ± 24	5 ± 11	4 ± 9	4 ± 7	5 ± 7
STAT3 + c-myc	760 ± 659	1233 ± 2712	633 ± 1017	343 ± 336	377 ± 388
STAT3 + Collagen IV	26 ± 63	134 ± 285	44 ± 104	34 ± 111	0 ± 1
STAT3 + FXIIIA	8 ± 24	2 ± 7	24 ± 56	0 ± 0	2 ± 5
STAT3 + HLA-DR	447 ± 493	471 ± 888	107 ± 126	257 ± 495	113 ± 115
STAT3 + IL-22R	465 ± 437	460 ± 582	142 ± 230	266 ± 288	273 ± 251
STAT3 + IL-23R	637 ± 706	662 ± 1210	118 ± 271	272 ± 407	249 ± 440
STAT3 + Ki67	45 ± 56	167 ± 425	12 ± 28	11 ± 28	14 ± 27
STAT3 + PI	520 ± 761	1216 ± 2003	385 ± 708	277 ± 462	182 ± 174
STAT3 + Podoplanin	81 ± 235	278 ± 823	153 ± 380	153 ± 451	0 ± 1
STAT3 + SNA1	288 ± 646	354 ± 923	17 ± 33	34 ± 80	6 ± 6
STAT3 + TIA1	2 ± 3	12 ± 33	20 ± 63	2 ± 7	1 ± 1
STAT3 + Vimentin	84 ± 106	281 ± 540	86 ± 180	82 ± 114	36 ± 37

Tabelle 597: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	0 ± 0	10 ± 32	13 ± 40	0 ± 0	0 ± 0
TIA1 + BCL2	13 ± 16	8 ± 14	10 ± 13	7 ± 13	9 ± 13
TIA1 + CCR6	6 ± 10	10 ± 29	17 ± 49	3 ± 3	2 ± 3
TIA1 + CD11a	38 ± 51	9 ± 20	20 ± 24	26 ± 46	11 ± 19
TIA1 + CD11b	17 ± 28	5 ± 16	5 ± 16	47 ± 120	5 ± 16
TIA1 + CD120a	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD120b	1 ± 2	0 ± 1	0 ± 1	1 ± 3	1 ± 1
TIA1 + CD138	20 ± 31	14 ± 32	28 ± 60	6 ± 8	5 ± 6
TIA1 + CD15	7 ± 17	3 ± 7	3 ± 7	34 ± 95	2 ± 7
TIA1 + CD1a	0 ± 0	0 ± 1	1 ± 2	0 ± 1	0 ± 1
TIA1 + CD2	39 ± 42	12 ± 27	29 ± 36	26 ± 39	16 ± 26
TIA1 + CD207	0 ± 0	0 ± 1	0 ± 0	0 ± 1	0 ± 0
TIA1 + CD24	2 ± 4	1 ± 2	1 ± 3	28 ± 81	1 ± 2
TIA1 + CD28	4 ± 6	1 ± 2	2 ± 6	2 ± 4	1 ± 3
TIA1 + CD29	49 ± 71	22 ± 38	43 ± 59	34 ± 56	16 ± 28
TIA1 + CD3	28 ± 33	11 ± 26	20 ± 26	29 ± 48	17 ± 26
TIA1 + CD31	0 ± 0	1 ± 4	11 ± 37	1 ± 2	0 ± 0
TIA1 + CD4	5 ± 10	1 ± 4	3 ± 7	5 ± 13	2 ± 4
TIA1 + CD44	46 ± 72	7 ± 20	23 ± 28	40 ± 86	11 ± 21
TIA1 + CD45	18 ± 22	3 ± 9	12 ± 16	21 ± 51	4 ± 9
TIA1 + CD45RA	18 ± 25	6 ± 14	12 ± 14	11 ± 15	8 ± 14
TIA1 + CD45RO	10 ± 14	2 ± 6	5 ± 10	11 ± 27	3 ± 6
TIA1 + CD52	5 ± 6	1 ± 3	3 ± 7	16 ± 46	2 ± 3
TIA1 + CD54	14 ± 22	3 ± 11	5 ± 11	11 ± 25	4 ± 11
TIA1 + CD56	3 ± 7	6 ± 20	13 ± 37	2 ± 6	0 ± 1
TIA1 + CD58	23 ± 48	9 ± 18	14 ± 26	14 ± 30	9 ± 18
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
TIA1 + CD62P	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	14 ± 25	12 ± 25	15 ± 24	13 ± 25	14 ± 25
TIA1 + CD7	35 ± 50	9 ± 23	27 ± 36	28 ± 42	13 ± 23
TIA1 + CD8a	33 ± 37	16 ± 37	28 ± 35	28 ± 44	21 ± 35
TIA1 + CK14	59 ± 62	29 ± 45	60 ± 62	47 ± 64	28 ± 36
TIA1 + CLA	21 ± 20	8 ± 18	13 ± 18	18 ± 23	14 ± 18
TIA1 + c-myc	35 ± 57	20 ± 39	36 ± 63	53 ± 130	12 ± 25
TIA1 + Collagen IV	25 ± 52	7 ± 17	16 ± 23	37 ± 81	8 ± 17
TIA1 + FXIIIA	0 ± 1	1 ± 4	8 ± 23	1 ± 3	0 ± 0
TIA1 + HLA-DR	42 ± 71	7 ± 19	13 ± 20	20 ± 40	9 ± 19
TIA1 + IL-22R	2 ± 2	2 ± 5	1 ± 1	1 ± 2	2 ± 4
TIA1 + IL-23R	1 ± 2	0 ± 0	0 ± 0	2 ± 5	0 ± 0
TIA1 + Ki67	1 ± 1	0 ± 0	0 ± 1	0 ± 0	0 ± 1
TIA1 + PI	25 ± 24	12 ± 16	34 ± 40	21 ± 26	13 ± 15
TIA1 + Podoplanin	17 ± 38	11 ± 31	23 ± 63	14 ± 35	3 ± 6
TIA1 + SNA1	44 ± 93	4 ± 11	14 ± 19	47 ± 119	7 ± 11
TIA1 + STAT3	2 ± 3	12 ± 33	20 ± 63	2 ± 7	1 ± 1
TIA1 + Vimentin	43 ± 59	17 ± 37	29 ± 36	24 ± 39	19 ± 36

Tabelle 598: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für alle n=6 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	13 ± 23	64 ± 199	17 ± 25	13 ± 30	5 ± 10
Vimentin + BCL2	1000 ± 785	297 ± 230	592 ± 518	487 ± 278	530 ± 338
Vimentin + CCR6	123 ± 172	37 ± 58	52 ± 46	148 ± 152	116 ± 175
Vimentin + CD11a	374 ± 692	84 ± 231	177 ± 245	229 ± 352	103 ± 227
Vimentin + CD11b	112 ± 236	78 ± 243	89 ± 240	86 ± 240	92 ± 239
Vimentin + CD120a	32 ± 27	35 ± 33	57 ± 75	55 ± 49	56 ± 72
Vimentin + CD120b	22 ± 32	5 ± 15	9 ± 16	12 ± 19	10 ± 17
Vimentin + CD138	1959 ± 1869	670 ± 667	1071 ± 880	904 ± 663	757 ± 706
Vimentin + CD15	20 ± 39	36 ± 84	11 ± 32	35 ± 73	18 ± 34
Vimentin + CD1a	82 ± 79	63 ± 67	66 ± 95	83 ± 78	161 ± 210
Vimentin + CD2	453 ± 784	109 ± 268	268 ± 335	208 ± 299	184 ± 256
Vimentin + CD207	123 ± 119	101 ± 66	135 ± 87	148 ± 130	170 ± 170
Vimentin + CD24	11 ± 31	9 ± 31	10 ± 31	11 ± 30	17 ± 34
Vimentin + CD28	190 ± 475	21 ± 59	32 ± 59	28 ± 58	29 ± 59
Vimentin + CD29	3372 ± 2729	1550 ± 1745	2006 ± 1789	2204 ± 1749	1934 ± 1804
Vimentin + CD3	349 ± 573	90 ± 252	177 ± 273	229 ± 318	163 ± 267
Vimentin + CD31	49 ± 58	9 ± 25	15 ± 26	78 ± 210	10 ± 25
Vimentin + CD4	231 ± 512	58 ± 178	76 ± 174	142 ± 285	68 ± 176
Vimentin + CD44	2243 ± 2089	954 ± 1365	1690 ± 1505	1770 ± 1466	1423 ± 1514
Vimentin + CD45	341 ± 791	38 ± 105	132 ± 165	135 ± 240	61 ± 107
Vimentin + CD45RA	104 ± 171	39 ± 116	50 ± 115	72 ± 137	43 ± 115
Vimentin + CD45RO	264 ± 626	41 ± 136	123 ± 171	101 ± 154	101 ± 167
Vimentin + CD52	33 ± 70	8 ± 20	10 ± 21	62 ± 171	11 ± 19
Vimentin + CD54	586 ± 1009	150 ± 486	194 ± 486	377 ± 653	186 ± 480
Vimentin + CD56	18 ± 19	36 ± 80	27 ± 30	24 ± 50	12 ± 12
Vimentin + CD58	673 ± 1100	307 ± 779	324 ± 790	557 ± 955	522 ± 882
Vimentin + CD62E	4 ± 14	0 ± 1	3 ± 10	0 ± 0	0 ± 0
Vimentin + CD62P	3 ± 5	3 ± 6	2 ± 5	28 ± 87	2 ± 5
Vimentin + CD68	996 ± 764	1022 ± 660	965 ± 683	964 ± 838	969 ± 849
Vimentin + CD7	297 ± 553	56 ± 164	184 ± 233	195 ± 249	87 ± 161
Vimentin + CD8a	144 ± 197	55 ± 151	87 ± 150	87 ± 152	91 ± 150
Vimentin + CK14	4584 ± 3143	2579 ± 2349	3471 ± 2445	4017 ± 2470	3345 ± 2503
Vimentin + CLA	237 ± 265	79 ± 170	156 ± 188	161 ± 177	164 ± 170
Vimentin + c-myc	1617 ± 1348	794 ± 1328	874 ± 1242	1393 ± 1770	1008 ± 1279
Vimentin + Collagen IV	866 ± 942	608 ± 839	684 ± 803	989 ± 1058	670 ± 848
Vimentin + FXIIIA	18 ± 35	14 ± 35	19 ± 33	19 ± 37	29 ± 60
Vimentin + HLA-DR	1744 ± 1663	885 ± 1170	980 ± 1219	1240 ± 1376	907 ± 1200
Vimentin + IL-22R	156 ± 154	161 ± 162	128 ± 170	168 ± 165	178 ± 166
Vimentin + IL-23R	97 ± 138	131 ± 208	41 ± 85	159 ± 248	60 ± 84
Vimentin + Ki67	134 ± 107	97 ± 114	112 ± 139	128 ± 129	101 ± 132
Vimentin + PI	2052 ± 1660	1044 ± 647	1391 ± 780	1546 ± 746	1389 ± 919
Vimentin + Podoplanin	584 ± 778	200 ± 401	167 ± 391	573 ± 1111	137 ± 396
Vimentin + SNA1	1800 ± 1746	664 ± 750	832 ± 738	931 ± 904	677 ± 665
Vimentin + STAT3	84 ± 106	281 ± 540	86 ± 180	82 ± 114	36 ± 37
Vimentin + TIA1	43 ± 59	17 ± 37	29 ± 36	24 ± 39	19 ± 36

1.1.14 Duale Koexpression der basalen Epidermis für die Responder

Tabelle 599: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	2 ± 4	6 ± 17	4 ± 7	1 ± 2	1 ± 2
Aktin + CCR6	1 ± 2	65 ± 191	26 ± 77	1 ± 2	1 ± 2
Aktin + CD11a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD120a	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD138	2 ± 4	610 ± 1824	68 ± 199	3 ± 5	4 ± 9
Aktin + CD15	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD207	0 ± 0	0 ± 1	1 ± 2	0 ± 0	0 ± 0
Aktin + CD24	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD29	16 ± 26	383 ± 1121	78 ± 193	16 ± 26	10 ± 15
Aktin + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD31	8 ± 15	11 ± 24	49 ± 122	15 ± 34	4 ± 10
Aktin + CD4	1 ± 3	1 ± 3	2 ± 4	1 ± 3	1 ± 3
Aktin + CD44	0 ± 1	18 ± 53	3 ± 7	0 ± 1	1 ± 2
Aktin + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD45RA	0 ± 0	0 ± 0	2 ± 7	0 ± 0	0 ± 0
Aktin + CD45RO	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
Aktin + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD54	12 ± 26	3 ± 10	6 ± 12	14 ± 34	3 ± 10
Aktin + CD56	0 ± 0	133 ± 399	43 ± 128	0 ± 0	2 ± 5
Aktin + CD58	3 ± 7	14 ± 36	14 ± 34	4 ± 8	2 ± 6
Aktin + CD62E	0 ± 0	0 ± 0	3 ± 10	0 ± 0	0 ± 0
Aktin + CD62P	1 ± 3	10 ± 26	2 ± 4	10 ± 27	1 ± 3
Aktin + CD68	4 ± 10	27 ± 71	8 ± 12	3 ± 10	4 ± 10
Aktin + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CK14	4 ± 10	609 ± 1810	70 ± 192	3 ± 10	6 ± 13
Aktin + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + c-myc	6 ± 11	633 ± 1886	74 ± 199	4 ± 11	5 ± 11
Aktin + Collagen IV	13 ± 27	55 ± 152	8 ± 14	13 ± 27	4 ± 13
Aktin + FXIIIA	2 ± 4	4 ± 8	19 ± 50	2 ± 4	3 ± 4
Aktin + HLA-DR	9 ± 22	41 ± 115	7 ± 12	3 ± 6	2 ± 6
Aktin + IL-22R	0 ± 1	2 ± 5	0 ± 1	0 ± 1	0 ± 1
Aktin + IL-23R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Aktin + Ki67	0 ± 0	2 ± 6	0 ± 0	0 ± 0	0 ± 0
Aktin + PI	6 ± 11	299 ± 889	41 ± 109	3 ± 6	5 ± 7
Aktin + Podoplanin	3 ± 8	284 ± 840	56 ± 159	3 ± 8	3 ± 8
Aktin + SNA1	13 ± 27	35 ± 91	8 ± 16	13 ± 29	4 ± 13
Aktin + STAT3	0 ± 0	614 ± 1843	67 ± 201	0 ± 0	2 ± 7
Aktin + TIA1	0 ± 0	12 ± 35	15 ± 45	0 ± 0	0 ± 0
Aktin + Vimentin	13 ± 26	79 ± 219	17 ± 26	16 ± 34	6 ± 11

Tabelle 600: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	2 ± 4	6 ± 17	4 ± 7	1 ± 2	1 ± 2
BCL2 + CCR6	37 ± 51	9 ± 11	20 ± 24	32 ± 42	70 ± 114
BCL2 + CD11a	33 ± 48	15 ± 23	60 ± 64	27 ± 30	20 ± 21
BCL2 + CD11b	10 ± 17	9 ± 17	13 ± 17	9 ± 17	12 ± 16
BCL2 + CD120a	5 ± 9	7 ± 10	10 ± 15	5 ± 10	16 ± 31
BCL2 + CD120b	3 ± 6	0 ± 1	3 ± 5	3 ± 6	1 ± 2
BCL2 + CD138	1248 ± 2221	253 ± 189	1081 ± 1346	261 ± 211	351 ± 350
BCL2 + CD15	13 ± 26	9 ± 24	9 ± 24	9 ± 24	13 ± 25
BCL2 + CD1a	9 ± 11	4 ± 5	18 ± 45	2 ± 2	27 ± 47
BCL2 + CD2	64 ± 79	25 ± 42	87 ± 88	34 ± 40	50 ± 44
BCL2 + CD207	8 ± 9	7 ± 9	15 ± 19	7 ± 10	32 ± 56
BCL2 + CD24	2 ± 3	2 ± 3	2 ± 3	2 ± 3	4 ± 5
BCL2 + CD28	11 ± 22	2 ± 4	11 ± 16	3 ± 4	3 ± 4
BCL2 + CD29	1844 ± 2393	546 ± 520	1216 ± 1135	632 ± 501	868 ± 464
BCL2 + CD3	44 ± 77	15 ± 27	66 ± 92	38 ± 46	34 ± 45
BCL2 + CD31	3 ± 6	2 ± 5	5 ± 7	2 ± 5	2 ± 5
BCL2 + CD4	9 ± 13	5 ± 9	15 ± 20	7 ± 9	7 ± 10
BCL2 + CD44	961 ± 1553	309 ± 344	991 ± 1102	370 ± 369	426 ± 275
BCL2 + CD45	19 ± 24	5 ± 8	40 ± 52	9 ± 10	8 ± 10
BCL2 + CD45RA	21 ± 25	15 ± 23	24 ± 23	16 ± 22	20 ± 23
BCL2 + CD45RO	10 ± 19	2 ± 7	32 ± 52	8 ± 11	9 ± 16
BCL2 + CD52	10 ± 17	2 ± 4	5 ± 8	3 ± 4	3 ± 4
BCL2 + CD54	53 ± 110	7 ± 19	14 ± 22	9 ± 19	19 ± 30
BCL2 + CD56	3 ± 4	18 ± 46	9 ± 12	2 ± 3	3 ± 4
BCL2 + CD58	571 ± 1322	72 ± 96	138 ± 217	76 ± 99	163 ± 150
BCL2 + CD62E	7 ± 14	5 ± 12	6 ± 13	5 ± 13	5 ± 13
BCL2 + CD62P	9 ± 22	8 ± 22	9 ± 22	8 ± 22	8 ± 22
BCL2 + CD68	441 ± 359	359 ± 363	463 ± 324	358 ± 367	433 ± 384
BCL2 + CD7	28 ± 51	7 ± 9	71 ± 93	48 ± 82	17 ± 18
BCL2 + CD8a	25 ± 33	15 ± 28	31 ± 34	14 ± 28	28 ± 35
BCL2 + CK14	2389 ± 2482	849 ± 665	2571 ± 2690	1025 ± 816	1362 ± 581
BCL2 + CLA	25 ± 25	16 ± 26	39 ± 46	41 ± 59	41 ± 47
BCL2 + c-myc	811 ± 929	312 ± 333	447 ± 329	384 ± 388	483 ± 293
BCL2 + Collagen IV	219 ± 234	144 ± 155	239 ± 170	235 ± 270	212 ± 133
BCL2 + FXIIIA	9 ± 25	9 ± 25	12 ± 24	9 ± 25	10 ± 24
BCL2 + HLA-DR	520 ± 1005	125 ± 81	312 ± 460	144 ± 161	175 ± 126
BCL2 + IL-22R	118 ± 148	87 ± 150	107 ± 146	81 ± 154	120 ± 167
BCL2 + IL-23R	118 ± 158	90 ± 157	38 ± 36	37 ± 38	60 ± 54
BCL2 + Ki67	361 ± 707	33 ± 42	630 ± 1137	82 ± 168	50 ± 46
BCL2 + PI	1732 ± 2019	544 ± 529	2033 ± 2401	616 ± 594	877 ± 513
BCL2 + Podoplanin	494 ± 1058	46 ± 93	45 ± 74	42 ± 68	17 ± 32
BCL2 + SNA1	664 ± 1396	110 ± 93	319 ± 383	115 ± 90	153 ± 84
BCL2 + STAT3	142 ± 166	97 ± 77	62 ± 67	63 ± 66	123 ± 165
BCL2 + TIA1	12 ± 17	7 ± 14	13 ± 13	7 ± 14	11 ± 14
BCL2 + Vimentin	728 ± 434	318 ± 236	673 ± 539	464 ± 280	611 ± 319

Tabelle 601: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	1 ± 2	65 ± 191	26 ± 77	1 ± 2	1 ± 2
CCR6 + BCL2	37 ± 51	9 ± 11	20 ± 24	32 ± 42	70 ± 114
CCR6 + CD11a	22 ± 38	12 ± 33	17 ± 34	23 ± 37	18 ± 34
CCR6 + CD11b	7 ± 13	4 ± 12	4 ± 12	5 ± 12	4 ± 12
CCR6 + CD120a	2 ± 2	2 ± 3	2 ± 3	3 ± 6	3 ± 4
CCR6 + CD120b	3 ± 5	1 ± 3	1 ± 3	3 ± 5	1 ± 3
CCR6 + CD138	60 ± 80	93 ± 202	97 ± 145	46 ± 42	103 ± 210
CCR6 + CD15	2 ± 5	2 ± 5	2 ± 5	2 ± 5	3 ± 5
CCR6 + CD1a	2 ± 3	1 ± 3	7 ± 15	4 ± 7	6 ± 7
CCR6 + CD2	28 ± 42	13 ± 34	23 ± 38	24 ± 36	28 ± 36
CCR6 + CD207	2 ± 2	2 ± 3	2 ± 2	5 ± 10	7 ± 11
CCR6 + CD24	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CCR6 + CD28	14 ± 26	7 ± 21	9 ± 21	10 ± 21	9 ± 21
CCR6 + CD29	91 ± 128	89 ± 172	89 ± 136	93 ± 106	120 ± 174
CCR6 + CD3	33 ± 49	14 ± 36	24 ± 41	32 ± 48	31 ± 45
CCR6 + CD31	0 ± 0	3 ± 8	21 ± 62	0 ± 0	0 ± 0
CCR6 + CD4	12 ± 27	9 ± 27	9 ± 27	12 ± 27	11 ± 27
CCR6 + CD44	76 ± 97	26 ± 38	62 ± 57	91 ± 86	131 ± 189
CCR6 + CD45	19 ± 30	9 ± 27	16 ± 30	14 ± 27	14 ± 28
CCR6 + CD45RA	4 ± 4	2 ± 4	6 ± 9	3 ± 4	4 ± 7
CCR6 + CD45RO	14 ± 29	10 ± 29	13 ± 29	18 ± 31	18 ± 31
CCR6 + CD52	7 ± 13	5 ± 13	5 ± 13	6 ± 13	6 ± 13
CCR6 + CD54	13 ± 24	8 ± 23	8 ± 23	12 ± 23	8 ± 23
CCR6 + CD56	1 ± 1	31 ± 86	23 ± 66	1 ± 1	1 ± 2
CCR6 + CD58	31 ± 58	15 ± 25	33 ± 47	22 ± 37	29 ± 35
CCR6 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD62P	0 ± 0	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD68	32 ± 46	24 ± 36	24 ± 36	35 ± 41	22 ± 35
CCR6 + CD7	18 ± 24	8 ± 20	16 ± 23	24 ± 29	16 ± 24
CCR6 + CD8a	12 ± 23	5 ± 14	9 ± 14	8 ± 14	13 ± 22
CCR6 + CK14	119 ± 163	118 ± 201	131 ± 145	152 ± 165	249 ± 299
CCR6 + CLA	17 ± 26	8 ± 21	13 ± 22	17 ± 22	16 ± 23
CCR6 + c-myc	37 ± 46	84 ± 211	64 ± 145	24 ± 28	104 ± 133
CCR6 + Collagen IV	9 ± 14	6 ± 11	7 ± 7	14 ± 20	10 ± 15
CCR6 + FXIIIA	1 ± 3	2 ± 7	10 ± 31	0 ± 1	0 ± 1
CCR6 + HLA-DR	60 ± 80	31 ± 40	35 ± 39	47 ± 48	51 ± 57
CCR6 + IL-22R	8 ± 9	6 ± 8	7 ± 8	10 ± 11	29 ± 61
CCR6 + IL-23R	10 ± 19	9 ± 19	7 ± 19	13 ± 20	31 ± 50
CCR6 + Ki67	2 ± 3	1 ± 2	3 ± 4	5 ± 9	6 ± 14
CCR6 + PI	41 ± 53	43 ± 79	55 ± 84	51 ± 59	92 ± 109
CCR6 + Podoplanin	36 ± 62	81 ± 199	57 ± 148	16 ± 38	4 ± 6
CCR6 + SNA1	45 ± 75	12 ± 18	16 ± 22	27 ± 27	37 ± 57
CCR6 + STAT3	9 ± 18	76 ± 206	56 ± 150	14 ± 25	49 ± 82
CCR6 + TIA1	6 ± 10	12 ± 32	20 ± 54	1 ± 2	2 ± 3
CCR6 + Vimentin	95 ± 139	45 ± 61	51 ± 52	108 ± 127	134 ± 190

Tabelle 602: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + BCL2	33 ± 48	15 ± 23	60 ± 64	27 ± 30	20 ± 21
CD11a + CCR6	22 ± 38	12 ± 33	17 ± 34	23 ± 37	18 ± 34
CD11a + CD11b	40 ± 102	35 ± 103	43 ± 102	39 ± 102	44 ± 103
CD11a + CD120a	6 ± 10	3 ± 6	7 ± 9	9 ± 15	6 ± 8
CD11a + CD120b	19 ± 35	5 ± 15	11 ± 16	12 ± 18	9 ± 18
CD11a + CD138	104 ± 189	39 ± 96	110 ± 122	58 ± 97	47 ± 93
CD11a + CD15	4 ± 7	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD11a + CD1a	11 ± 25	9 ± 26	14 ± 28	18 ± 34	11 ± 25
CD11a + CD2	158 ± 225	102 ± 213	254 ± 284	129 ± 204	126 ± 205
CD11a + CD207	11 ± 21	10 ± 21	16 ± 21	20 ± 34	11 ± 20
CD11a + CD24	6 ± 9	3 ± 7	4 ± 7	7 ± 12	4 ± 7
CD11a + CD28	60 ± 101	27 ± 68	60 ± 86	42 ± 69	34 ± 68
CD11a + CD29	250 ± 415	126 ± 313	290 ± 340	213 ± 324	142 ± 307
CD11a + CD3	184 ± 285	106 ± 249	241 ± 289	183 ± 258	134 ± 247
CD11a + CD31	1 ± 4	1 ± 4	1 ± 4	2 ± 5	1 ± 4
CD11a + CD4	78 ± 148	56 ± 142	94 ± 144	79 ± 145	67 ± 140
CD11a + CD44	255 ± 416	116 ± 266	318 ± 352	266 ± 344	148 ± 262
CD11a + CD45	108 ± 154	59 ± 137	238 ± 289	127 ± 164	79 ± 136
CD11a + CD45RA	54 ± 96	42 ± 96	61 ± 98	51 ± 94	44 ± 95
CD11a + CD45RO	75 ± 145	45 ± 132	136 ± 173	85 ± 139	68 ± 136
CD11a + CD52	15 ± 24	10 ± 24	24 ± 44	15 ± 25	12 ± 24
CD11a + CD54	126 ± 265	86 ± 257	144 ± 279	122 ± 254	92 ± 255
CD11a + CD56	3 ± 9	0 ± 0	4 ± 8	1 ± 3	2 ± 4
CD11a + CD58	160 ± 320	63 ± 181	78 ± 179	94 ± 192	85 ± 182
CD11a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + CD62P	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD68	67 ± 147	65 ± 147	90 ± 143	73 ± 144	69 ± 145
CD11a + CD7	111 ± 189	56 ± 147	214 ± 266	140 ± 212	73 ± 145
CD11a + CD8a	88 ± 110	53 ± 102	119 ± 117	75 ± 98	67 ± 99
CD11a + CK14	262 ± 361	148 ± 287	395 ± 377	316 ± 373	179 ± 276
CD11a + CLA	57 ± 84	48 ± 88	74 ± 82	79 ± 102	54 ± 86
CD11a + c-myc	129 ± 246	42 ± 99	110 ± 146	122 ± 168	55 ± 100
CD11a + Collagen IV	116 ± 246	34 ± 85	102 ± 131	97 ± 137	44 ± 84
CD11a + FXIIIA	5 ± 14	5 ± 14	5 ± 14	5 ± 14	5 ± 14
CD11a + HLA-DR	261 ± 438	117 ± 273	236 ± 297	227 ± 337	142 ± 269
CD11a + IL-22R	17 ± 26	13 ± 26	14 ± 26	14 ± 26	15 ± 26
CD11a + IL-23R	4 ± 7	2 ± 4	2 ± 4	3 ± 5	2 ± 4
CD11a + Ki67	8 ± 16	6 ± 15	10 ± 15	8 ± 16	6 ± 15
CD11a + PI	153 ± 199	80 ± 148	242 ± 255	153 ± 177	104 ± 142
CD11a + Podoplanin	87 ± 214	11 ± 33	18 ± 35	28 ± 55	12 ± 33
CD11a + SNA1	201 ± 430	48 ± 117	171 ± 194	116 ± 153	67 ± 119
CD11a + STAT3	6 ± 8	1 ± 3	1 ± 3	3 ± 5	3 ± 5
CD11a + TIA1	29 ± 52	11 ± 22	24 ± 26	15 ± 21	12 ± 21
CD11a + Vimentin	171 ± 285	101 ± 255	212 ± 260	162 ± 264	121 ± 250

Tabelle 603: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + BCL2	10 ± 17	9 ± 17	13 ± 17	9 ± 17	12 ± 16
CD11b + CCR6	7 ± 13	4 ± 12	4 ± 12	5 ± 12	4 ± 12
CD11b + CD11a	40 ± 102	35 ± 103	43 ± 102	39 ± 102	44 ± 103
CD11b + CD120a	8 ± 20	7 ± 21	8 ± 21	8 ± 20	11 ± 21
CD11b + CD120b	4 ± 10	3 ± 10	3 ± 10	3 ± 10	5 ± 10
CD11b + CD138	31 ± 68	27 ± 69	28 ± 68	27 ± 69	29 ± 68
CD11b + CD15	13 ± 33	2 ± 7	3 ± 7	16 ± 42	2 ± 7
CD11b + CD1a	7 ± 20	7 ± 20	7 ± 20	7 ± 20	7 ± 20
CD11b + CD2	21 ± 56	20 ± 57	21 ± 57	20 ± 57	23 ± 56
CD11b + CD207	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11b + CD24	12 ± 31	10 ± 31	11 ± 31	19 ± 38	10 ± 31
CD11b + CD28	6 ± 14	5 ± 14	5 ± 14	5 ± 14	6 ± 14
CD11b + CD29	111 ± 217	90 ± 223	97 ± 221	94 ± 222	97 ± 220
CD11b + CD3	26 ± 65	22 ± 66	23 ± 66	24 ± 66	31 ± 66
CD11b + CD31	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
CD11b + CD4	32 ± 85	31 ± 86	32 ± 85	32 ± 85	37 ± 85
CD11b + CD44	117 ± 251	94 ± 257	108 ± 253	109 ± 254	117 ± 252
CD11b + CD45	25 ± 58	20 ± 59	26 ± 59	22 ± 59	27 ± 60
CD11b + CD45RA	16 ± 40	14 ± 40	15 ± 40	17 ± 39	15 ± 40
CD11b + CD45RO	29 ± 74	25 ± 75	29 ± 74	26 ± 74	41 ± 76
CD11b + CD52	2 ± 7	2 ± 7	2 ± 7	2 ± 6	3 ± 6
CD11b + CD54	84 ± 218	74 ± 221	76 ± 220	77 ± 220	83 ± 219
CD11b + CD56	2 ± 2	1 ± 1	1 ± 2	1 ± 1	4 ± 10
CD11b + CD58	35 ± 99	33 ± 99	33 ± 99	34 ± 99	52 ± 100
CD11b + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD11b + CD62P	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD11b + CD68	61 ± 147	59 ± 148	61 ± 147	65 ± 146	64 ± 146
CD11b + CD7	21 ± 52	18 ± 53	18 ± 53	22 ± 52	19 ± 52
CD11b + CD8a	9 ± 26	9 ± 26	9 ± 26	9 ± 26	10 ± 26
CD11b + CK14	140 ± 262	115 ± 270	133 ± 263	136 ± 265	166 ± 261
CD11b + CLA	19 ± 33	12 ± 32	12 ± 32	17 ± 31	14 ± 32
CD11b + c-myc	145 ± 323	115 ± 331	126 ± 327	142 ± 330	163 ± 327
CD11b + Collagen IV	116 ± 281	99 ± 285	110 ± 280	115 ± 281	115 ± 281
CD11b + FXIIIA	10 ± 29	10 ± 29	11 ± 28	10 ± 29	12 ± 28
CD11b + HLA-DR	150 ± 319	121 ± 327	134 ± 322	122 ± 326	144 ± 320
CD11b + IL-22R	5 ± 14	5 ± 14	5 ± 14	5 ± 14	5 ± 14
CD11b + IL-23R	7 ± 17	6 ± 17	6 ± 17	7 ± 17	7 ± 17
CD11b + Ki67	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD11b + PI	39 ± 70	32 ± 72	39 ± 70	36 ± 70	44 ± 68
CD11b + Podoplanin	21 ± 34	12 ± 35	12 ± 35	13 ± 34	14 ± 34
CD11b + SNA1	135 ± 268	101 ± 275	126 ± 268	121 ± 271	116 ± 271
CD11b + STAT3	3 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD11b + TIA1	13 ± 25	6 ± 17	6 ± 17	12 ± 22	7 ± 17
CD11b + Vimentin	111 ± 264	95 ± 268	108 ± 263	100 ± 266	109 ± 263

Tabelle 604: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD120a + BCL2	5 ± 9	7 ± 10	10 ± 15	5 ± 10	16 ± 31
CD120a + CCR6	2 ± 2	2 ± 3	2 ± 3	3 ± 6	3 ± 4
CD120a + CD11a	6 ± 10	3 ± 6	7 ± 9	9 ± 15	6 ± 8
CD120a + CD11b	8 ± 20	7 ± 21	8 ± 21	8 ± 20	11 ± 21
CD120a + CD120b	1 ± 2	0 ± 0	2 ± 3	2 ± 6	0 ± 1
CD120a + CD138	37 ± 17	40 ± 38	61 ± 70	44 ± 51	53 ± 75
CD120a + CD15	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
CD120a + CD1a	15 ± 13	23 ± 43	32 ± 64	19 ± 28	26 ± 31
CD120a + CD2	2 ± 3	2 ± 4	9 ± 19	2 ± 3	5 ± 9
CD120a + CD207	22 ± 15	23 ± 22	41 ± 58	27 ± 37	32 ± 44
CD120a + CD24	1 ± 1	1 ± 1	1 ± 1	4 ± 9	1 ± 1
CD120a + CD28	2 ± 4	1 ± 3	2 ± 4	7 ± 16	1 ± 3
CD120a + CD29	42 ± 26	48 ± 56	55 ± 60	46 ± 30	46 ± 47
CD120a + CD3	2 ± 3	1 ± 1	2 ± 2	7 ± 17	2 ± 3
CD120a + CD31	0 ± 0	0 ± 0	1 ± 2	0 ± 1	0 ± 0
CD120a + CD4	3 ± 6	2 ± 6	4 ± 6	7 ± 16	5 ± 7
CD120a + CD44	44 ± 26	52 ± 57	55 ± 47	74 ± 62	55 ± 36
CD120a + CD45	7 ± 9	4 ± 8	18 ± 40	11 ± 20	7 ± 8
CD120a + CD45RA	1 ± 1	1 ± 1	1 ± 1	1 ± 2	1 ± 2
CD120a + CD45RO	6 ± 17	6 ± 17	17 ± 31	9 ± 17	8 ± 17
CD120a + CD52	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 3
CD120a + CD54	14 ± 23	7 ± 20	16 ± 32	15 ± 28	9 ± 20
CD120a + CD56	0 ± 0	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD120a + CD58	16 ± 21	18 ± 26	25 ± 43	21 ± 25	22 ± 20
CD120a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD68	17 ± 22	18 ± 20	22 ± 26	20 ± 24	21 ± 30
CD120a + CD7	1 ± 2	0 ± 1	3 ± 8	2 ± 3	1 ± 1
CD120a + CD8a	0 ± 1	0 ± 0	1 ± 2	0 ± 0	0 ± 1
CD120a + CK14	70 ± 30	89 ± 78	95 ± 62	106 ± 68	109 ± 119
CD120a + CLA	14 ± 17	4 ± 8	13 ± 21	6 ± 8	5 ± 8
CD120a + c-myc	19 ± 14	18 ± 13	15 ± 11	29 ± 43	26 ± 21
CD120a + Collagen IV	10 ± 17	5 ± 8	5 ± 7	17 ± 36	17 ± 23
CD120a + FXIIIA	0 ± 1	0 ± 1	1 ± 1	1 ± 2	1 ± 1
CD120a + HLA-DR	52 ± 29	58 ± 58	47 ± 18	55 ± 27	61 ± 59
CD120a + IL-22R	20 ± 12	27 ± 34	20 ± 14	24 ± 20	32 ± 38
CD120a + IL-23R	12 ± 15	34 ± 77	11 ± 14	18 ± 21	10 ± 12
CD120a + Ki67	2 ± 2	2 ± 3	4 ± 11	1 ± 2	3 ± 7
CD120a + PI	19 ± 10	26 ± 26	32 ± 33	24 ± 12	43 ± 70
CD120a + Podoplanin	9 ± 15	4 ± 12	6 ± 12	5 ± 12	4 ± 12
CD120a + SNA1	26 ± 31	17 ± 18	17 ± 15	30 ± 30	26 ± 26
CD120a + STAT3	7 ± 10	11 ± 16	10 ± 16	8 ± 11	16 ± 27
CD120a + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + Vimentin	35 ± 28	36 ± 33	62 ± 83	41 ± 41	39 ± 37

Tabelle 605: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + BCL2	3 ± 6	0 ± 1	3 ± 5	3 ± 6	1 ± 2
CD120b + CCR6	3 ± 5	1 ± 3	1 ± 3	3 ± 5	1 ± 3
CD120b + CD11a	19 ± 35	5 ± 15	11 ± 16	12 ± 18	9 ± 18
CD120b + CD11b	4 ± 10	3 ± 10	3 ± 10	3 ± 10	5 ± 10
CD120b + CD120a	1 ± 2	0 ± 0	2 ± 3	2 ± 6	0 ± 1
CD120b + CD138	10 ± 22	2 ± 4	7 ± 11	2 ± 4	1 ± 4
CD120b + CD15	5 ± 14	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD1a	1 ± 2	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD120b + CD2	11 ± 17	5 ± 14	8 ± 13	7 ± 14	7 ± 15
CD120b + CD207	0 ± 1	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD120b + CD24	25 ± 50	6 ± 19	13 ± 24	8 ± 19	9 ± 19
CD120b + CD28	14 ± 24	2 ± 7	6 ± 9	5 ± 9	7 ± 16
CD120b + CD29	53 ± 82	10 ± 29	26 ± 41	18 ± 30	13 ± 29
CD120b + CD3	23 ± 34	6 ± 19	19 ± 31	16 ± 26	15 ± 25
CD120b + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + CD4	13 ± 25	6 ± 17	9 ± 17	9 ± 18	11 ± 20
CD120b + CD44	58 ± 94	10 ± 28	33 ± 59	20 ± 32	18 ± 30
CD120b + CD45	18 ± 27	4 ± 13	10 ± 16	8 ± 14	7 ± 15
CD120b + CD45RA	9 ± 13	3 ± 9	4 ± 10	4 ± 9	4 ± 9
CD120b + CD45RO	9 ± 16	5 ± 14	8 ± 14	8 ± 16	8 ± 16
CD120b + CD52	4 ± 6	1 ± 4	3 ± 6	1 ± 4	1 ± 4
CD120b + CD54	20 ± 29	5 ± 16	6 ± 15	7 ± 16	8 ± 16
CD120b + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD58	16 ± 36	3 ± 10	5 ± 10	6 ± 11	9 ± 13
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	6 ± 12	4 ± 12	6 ± 12	4 ± 12	5 ± 12
CD120b + CD7	19 ± 28	6 ± 19	17 ± 25	16 ± 25	13 ± 22
CD120b + CD8a	5 ± 9	1 ± 4	2 ± 4	2 ± 4	2 ± 4
CD120b + CK14	30 ± 45	11 ± 28	24 ± 34	19 ± 29	17 ± 28
CD120b + CLA	4 ± 7	2 ± 5	3 ± 5	5 ± 7	3 ± 6
CD120b + c-myc	33 ± 53	8 ± 23	15 ± 26	10 ± 22	17 ± 26
CD120b + Collagen IV	33 ± 66	8 ± 23	14 ± 24	10 ± 22	12 ± 24
CD120b + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + HLA-DR	51 ± 83	8 ± 25	18 ± 30	13 ± 25	14 ± 27
CD120b + IL-22R	1 ± 3	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD120b + IL-23R	0 ± 1	0 ± 0	1 ± 2	0 ± 1	0 ± 0
CD120b + Ki67	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120b + PI	25 ± 39	4 ± 11	14 ± 23	6 ± 11	7 ± 11
CD120b + Podoplanin	7 ± 17	1 ± 2	1 ± 2	3 ± 8	1 ± 2
CD120b + SNA1	54 ± 95	8 ± 24	22 ± 35	12 ± 24	15 ± 26
CD120b + STAT3	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + TIA1	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + Vimentin	14 ± 21	6 ± 17	11 ± 17	9 ± 17	11 ± 19

Tabelle 606: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	2 ± 4	610 ± 1824	68 ± 199	3 ± 5	4 ± 9
CD138 + BCL2	1248 ± 2221	253 ± 189	1081 ± 1346	261 ± 211	351 ± 350
CD138 + CCR6	60 ± 80	93 ± 202	97 ± 145	46 ± 42	103 ± 210
CD138 + CD11a	104 ± 189	39 ± 96	110 ± 122	58 ± 97	47 ± 93
CD138 + CD11b	31 ± 68	27 ± 69	28 ± 68	27 ± 69	29 ± 68
CD138 + CD120a	37 ± 17	40 ± 38	61 ± 70	44 ± 51	53 ± 75
CD138 + CD120b	10 ± 22	2 ± 4	7 ± 11	2 ± 4	1 ± 4
CD138 + CD15	11 ± 14	7 ± 10	4 ± 10	4 ± 10	7 ± 11
CD138 + CD1a	159 ± 130	71 ± 89	170 ± 345	95 ± 105	246 ± 335
CD138 + CD2	170 ± 283	42 ± 98	168 ± 199	57 ± 94	78 ± 94
CD138 + CD207	150 ± 95	92 ± 78	163 ± 120	117 ± 97	192 ± 137
CD138 + CD24	67 ± 187	65 ± 187	66 ± 187	64 ± 187	113 ± 203
CD138 + CD28	40 ± 84	10 ± 24	22 ± 30	11 ± 23	14 ± 25
CD138 + CD29	9059 ± 12317	3147 ± 2969	5804 ± 5087	3316 ± 2984	4720 ± 3654
CD138 + CD3	171 ± 315	54 ± 141	173 ± 228	77 ± 142	87 ± 157
CD138 + CD31	0 ± 1	8 ± 23	60 ± 179	5 ± 14	0 ± 1
CD138 + CD4	24 ± 48	15 ± 43	24 ± 42	16 ± 43	18 ± 42
CD138 + CD44	9032 ± 12187	2759 ± 2778	7824 ± 8252	4673 ± 3809	5788 ± 5502
CD138 + CD45	61 ± 82	12 ± 30	85 ± 112	21 ± 32	34 ± 53
CD138 + CD45RA	39 ± 61	20 ± 46	33 ± 47	21 ± 45	21 ± 46
CD138 + CD45RO	43 ± 81	15 ± 42	57 ± 69	29 ± 45	56 ± 81
CD138 + CD52	11 ± 12	3 ± 7	6 ± 9	4 ± 7	5 ± 7
CD138 + CD54	637 ± 1297	169 ± 500	252 ± 526	185 ± 495	199 ± 493
CD138 + CD56	8 ± 13	162 ± 397	69 ± 174	6 ± 9	19 ± 38
CD138 + CD58	4176 ± 8892	879 ± 1390	1476 ± 2082	1301 ± 1865	2067 ± 2982
CD138 + CD62E	8 ± 16	9 ± 17	5 ± 13	5 ± 13	5 ± 13
CD138 + CD62P	9 ± 23	17 ± 33	8 ± 23	12 ± 25	11 ± 24
CD138 + CD68	232 ± 183	279 ± 196	237 ± 148	238 ± 280	234 ± 214
CD138 + CD7	103 ± 224	22 ± 60	180 ± 253	89 ± 124	37 ± 60
CD138 + CD8a	75 ± 130	21 ± 48	57 ± 69	28 ± 47	43 ± 58
CD138 + CK14	15898 ± 16667	5942 ± 4310	13815 ± 13287	7662 ± 5224	9769 ± 7555
CD138 + CLA	123 ± 111	36 ± 70	100 ± 102	63 ± 67	70 ± 81
CD138 + c-myc	2077 ± 2496	2009 ± 3934	1173 ± 791	801 ± 522	934 ± 425
CD138 + Collagen IV	605 ± 1414	229 ± 300	387 ± 417	242 ± 301	209 ± 238
CD138 + FXIIIA	3 ± 6	5 ± 10	22 ± 55	3 ± 7	10 ± 20
CD138 + HLA-DR	4614 ± 7894	1320 ± 1472	1988 ± 2390	1319 ± 1604	1851 ± 2204
CD138 + IL-22R	1333 ± 710	786 ± 729	1107 ± 1015	878 ± 726	956 ± 640
CD138 + IL-23R	554 ± 769	585 ± 1054	215 ± 498	300 ± 486	290 ± 489
CD138 + Ki67	610 ± 740	236 ± 287	732 ± 855	298 ± 291	437 ± 536
CD138 + PI	4284 ± 3715	2133 ± 1616	4299 ± 4336	2202 ± 1259	3801 ± 3631
CD138 + Podoplanin	3580 ± 7982	734 ± 1281	687 ± 1117	942 ± 1824	425 ± 1065
CD138 + SNA1	4025 ± 10297	411 ± 510	996 ± 1378	369 ± 522	769 ± 1085
CD138 + STAT3	1576 ± 2059	1573 ± 2705	765 ± 1247	868 ± 1097	811 ± 644
CD138 + TIA1	18 ± 34	15 ± 36	34 ± 66	5 ± 8	5 ± 7
CD138 + Vimentin	1546 ± 1540	659 ± 669	1141 ± 967	749 ± 612	834 ± 746

Tabelle 607: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	1 ± 4	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	13 ± 26	9 ± 24	9 ± 24	9 ± 24	13 ± 25
CD15 + CCR6	2 ± 5	2 ± 5	2 ± 5	2 ± 5	3 ± 5
CD15 + CD11a	4 ± 7	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + CD11b	13 ± 33	2 ± 7	3 ± 7	16 ± 42	2 ± 7
CD15 + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
CD15 + CD120b	5 ± 14	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD138	11 ± 14	7 ± 10	4 ± 10	4 ± 10	7 ± 11
CD15 + CD1a	3 ± 4	1 ± 2	1 ± 2	1 ± 2	3 ± 3
CD15 + CD2	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD15 + CD207	2 ± 3	1 ± 2	1 ± 2	1 ± 2	3 ± 4
CD15 + CD24	7 ± 14	1 ± 3	2 ± 3	7 ± 15	1 ± 3
CD15 + CD28	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD29	36 ± 47	10 ± 13	8 ± 14	12 ± 13	11 ± 13
CD15 + CD3	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD15 + CD31	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD44	23 ± 24	7 ± 12	7 ± 12	13 ± 17	9 ± 12
CD15 + CD45	4 ± 10	0 ± 0	0 ± 1	1 ± 2	0 ± 0
CD15 + CD45RA	2 ± 5	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD15 + CD45RO	3 ± 6	0 ± 0	0 ± 1	0 ± 1	1 ± 2
CD15 + CD52	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD54	6 ± 10	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD15 + CD56	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD15 + CD58	5 ± 7	2 ± 2	1 ± 2	1 ± 2	2 ± 2
CD15 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD62P	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD68	13 ± 25	9 ± 24	9 ± 24	11 ± 24	13 ± 24
CD15 + CD7	3 ± 6	0 ± 1	0 ± 1	1 ± 1	1 ± 1
CD15 + CD8a	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CK14	33 ± 48	16 ± 26	15 ± 27	32 ± 43	22 ± 31
CD15 + CLA	8 ± 14	2 ± 4	2 ± 4	4 ± 6	2 ± 4
CD15 + c-myc	32 ± 42	11 ± 18	9 ± 18	30 ± 55	12 ± 17
CD15 + Collagen IV	26 ± 43	7 ± 16	8 ± 15	24 ± 44	9 ± 16
CD15 + FXIIIA	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD15 + HLA-DR	27 ± 32	5 ± 9	5 ± 9	7 ± 9	8 ± 8
CD15 + IL-22R	2 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 2
CD15 + IL-23R	4 ± 8	3 ± 8	3 ± 8	3 ± 8	4 ± 8
CD15 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + PI	9 ± 13	4 ± 8	3 ± 8	6 ± 8	6 ± 9
CD15 + Podoplanin	3 ± 7	1 ± 4	0 ± 0	1 ± 2	0 ± 0
CD15 + SNA1	38 ± 54	7 ± 12	9 ± 13	22 ± 35	11 ± 12
CD15 + STAT3	3 ± 4	3 ± 5	1 ± 2	1 ± 2	1 ± 2
CD15 + TIA1	9 ± 19	3 ± 8	3 ± 8	6 ± 12	3 ± 8
CD15 + Vimentin	24 ± 42	14 ± 35	14 ± 36	15 ± 35	22 ± 37

Tabelle 608: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	9 ± 11	4 ± 5	18 ± 45	2 ± 2	27 ± 47
CD1a + CCR6	2 ± 3	1 ± 3	7 ± 15	4 ± 7	6 ± 7
CD1a + CD11a	11 ± 25	9 ± 26	14 ± 28	18 ± 34	11 ± 25
CD1a + CD11b	7 ± 20	7 ± 20	7 ± 20	7 ± 20	7 ± 20
CD1a + CD120a	15 ± 13	23 ± 43	32 ± 64	19 ± 28	26 ± 31
CD1a + CD120b	1 ± 2	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD1a + CD138	159 ± 130	71 ± 89	170 ± 345	95 ± 105	246 ± 335
CD1a + CD15	3 ± 4	1 ± 2	1 ± 2	1 ± 2	3 ± 3
CD1a + CD2	10 ± 17	7 ± 17	18 ± 34	9 ± 17	20 ± 24
CD1a + CD207	77 ± 70	40 ± 44	64 ± 89	74 ± 72	212 ± 311
CD1a + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	6 ± 17
CD1a + CD28	6 ± 11	2 ± 6	4 ± 7	2 ± 6	3 ± 6
CD1a + CD29	112 ± 134	65 ± 104	102 ± 191	58 ± 67	249 ± 386
CD1a + CD3	20 ± 37	12 ± 33	15 ± 33	15 ± 33	30 ± 43
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	7 ± 17	6 ± 17	9 ± 18	6 ± 17	8 ± 17
CD1a + CD44	129 ± 99	93 ± 126	141 ± 241	118 ± 109	330 ± 455
CD1a + CD45	14 ± 22	9 ± 23	28 ± 58	17 ± 29	17 ± 24
CD1a + CD45RA	3 ± 9	3 ± 9	3 ± 9	4 ± 9	3 ± 9
CD1a + CD45RO	9 ± 25	8 ± 25	13 ± 27	16 ± 30	31 ± 51
CD1a + CD52	0 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD1a + CD54	36 ± 84	29 ± 84	34 ± 84	29 ± 84	29 ± 84
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	75 ± 81	54 ± 74	135 ± 303	47 ± 52	255 ± 391
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	19 ± 29	21 ± 33	20 ± 29	21 ± 32	31 ± 46
CD1a + CD7	9 ± 18	6 ± 18	16 ± 32	17 ± 32	7 ± 17
CD1a + CD8a	3 ± 6	2 ± 6	5 ± 10	4 ± 7	5 ± 8
CD1a + CK14	181 ± 136	108 ± 142	210 ± 405	130 ± 113	451 ± 653
CD1a + CLA	32 ± 37	6 ± 10	12 ± 16	14 ± 22	29 ± 44
CD1a + c-myc	44 ± 52	30 ± 38	23 ± 35	33 ± 48	59 ± 77
CD1a + Collagen IV	8 ± 16	6 ± 11	9 ± 21	3 ± 7	5 ± 8
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	130 ± 98	81 ± 112	71 ± 72	80 ± 70	265 ± 356
CD1a + IL-22R	35 ± 34	27 ± 36	17 ± 14	38 ± 67	35 ± 32
CD1a + IL-23R	36 ± 56	52 ± 97	21 ± 41	30 ± 46	30 ± 40
CD1a + Ki67	3 ± 4	2 ± 4	10 ± 23	3 ± 4	5 ± 8
CD1a + PI	29 ± 29	20 ± 29	41 ± 86	25 ± 28	176 ± 280
CD1a + Podoplanin	26 ± 60	6 ± 18	6 ± 18	9 ± 19	7 ± 18
CD1a + SNA1	32 ± 57	24 ± 46	25 ± 43	15 ± 22	100 ± 186
CD1a + STAT3	58 ± 108	35 ± 55	20 ± 41	34 ± 53	47 ± 68
CD1a + TIA1	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 1
CD1a + Vimentin	69 ± 50	47 ± 60	70 ± 105	63 ± 70	176 ± 230

Tabelle 609: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + BCL2	64 ± 79	25 ± 42	87 ± 88	34 ± 40	50 ± 44
CD2 + CCR6	28 ± 42	13 ± 34	23 ± 38	24 ± 36	28 ± 36
CD2 + CD11a	158 ± 225	102 ± 213	254 ± 284	129 ± 204	126 ± 205
CD2 + CD11b	21 ± 56	20 ± 57	21 ± 57	20 ± 57	23 ± 56
CD2 + CD120a	2 ± 3	2 ± 4	9 ± 19	2 ± 3	5 ± 9
CD2 + CD120b	11 ± 17	5 ± 14	8 ± 13	7 ± 14	7 ± 15
CD2 + CD138	170 ± 283	42 ± 98	168 ± 199	57 ± 94	78 ± 94
CD2 + CD15	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD2 + CD1a	10 ± 17	7 ± 17	18 ± 34	9 ± 17	20 ± 24
CD2 + CD207	10 ± 15	8 ± 15	18 ± 21	12 ± 17	20 ± 25
CD2 + CD24	5 ± 12	4 ± 12	4 ± 11	4 ± 12	5 ± 11
CD2 + CD28	52 ± 85	26 ± 67	48 ± 74	31 ± 66	34 ± 67
CD2 + CD29	330 ± 458	137 ± 320	373 ± 437	181 ± 308	213 ± 299
CD2 + CD3	209 ± 300	113 ± 257	224 ± 267	171 ± 259	175 ± 257
CD2 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + CD4	57 ± 118	47 ± 119	66 ± 115	55 ± 116	56 ± 116
CD2 + CD44	247 ± 353	103 ± 216	295 ± 332	176 ± 222	186 ± 212
CD2 + CD45	98 ± 113	47 ± 105	185 ± 226	63 ± 100	75 ± 105
CD2 + CD45RA	35 ± 45	25 ± 43	38 ± 43	26 ± 43	25 ± 43
CD2 + CD45RO	78 ± 141	45 ± 132	141 ± 173	74 ± 131	97 ± 143
CD2 + CD52	20 ± 27	11 ± 26	22 ± 37	15 ± 26	15 ± 25
CD2 + CD54	93 ± 184	58 ± 173	130 ± 252	60 ± 172	61 ± 172
CD2 + CD56	4 ± 9	0 ± 0	5 ± 15	1 ± 3	1 ± 2
CD2 + CD58	155 ± 292	55 ± 157	81 ± 162	65 ± 155	99 ± 164
CD2 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD62P	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD68	93 ± 162	86 ± 165	143 ± 182	93 ± 162	101 ± 158
CD2 + CD7	110 ± 168	51 ± 121	226 ± 307	90 ± 119	82 ± 119
CD2 + CD8a	119 ± 131	64 ± 119	130 ± 120	81 ± 113	108 ± 118
CD2 + CK14	376 ± 392	176 ± 300	493 ± 496	264 ± 278	303 ± 260
CD2 + CLA	79 ± 79	55 ± 87	99 ± 89	77 ± 77	82 ± 78
CD2 + c-myc	93 ± 127	39 ± 77	82 ± 83	55 ± 75	61 ± 74
CD2 + Collagen IV	63 ± 104	27 ± 50	78 ± 85	40 ± 48	44 ± 47
CD2 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 4
CD2 + HLA-DR	215 ± 326	91 ± 210	161 ± 209	114 ± 204	140 ± 206
CD2 + IL-22R	14 ± 18	10 ± 19	12 ± 18	10 ± 19	13 ± 18
CD2 + IL-23R	4 ± 8	3 ± 8	4 ± 8	5 ± 9	4 ± 8
CD2 + Ki67	10 ± 14	6 ± 13	15 ± 18	8 ± 13	9 ± 13
CD2 + PI	214 ± 213	102 ± 174	303 ± 304	142 ± 156	198 ± 163
CD2 + Podoplanin	95 ± 200	14 ± 42	21 ± 43	27 ± 52	14 ± 42
CD2 + SNA1	187 ± 384	44 ± 88	125 ± 128	70 ± 89	88 ± 88
CD2 + STAT3	7 ± 9	3 ± 7	3 ± 7	4 ± 7	6 ± 10
CD2 + TIA1	35 ± 43	15 ± 29	35 ± 37	19 ± 28	18 ± 28
CD2 + Vimentin	250 ± 332	130 ± 295	314 ± 356	169 ± 282	212 ± 277

Tabelle 610: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 1	1 ± 2	0 ± 0	0 ± 0
CD207 + BCL2	8 ± 9	7 ± 9	15 ± 19	7 ± 10	32 ± 56
CD207 + CCR6	2 ± 2	2 ± 3	2 ± 2	5 ± 10	7 ± 11
CD207 + CD11a	11 ± 21	10 ± 21	16 ± 21	20 ± 34	11 ± 20
CD207 + CD11b	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD207 + CD120a	22 ± 15	23 ± 22	41 ± 58	27 ± 37	32 ± 44
CD207 + CD120b	0 ± 1	0 ± 0	1 ± 1	0 ± 0	0 ± 0
CD207 + CD138	150 ± 95	92 ± 78	163 ± 120	117 ± 97	192 ± 137
CD207 + CD15	2 ± 3	1 ± 2	1 ± 2	1 ± 2	3 ± 4
CD207 + CD1a	77 ± 70	40 ± 44	64 ± 89	74 ± 72	212 ± 311
CD207 + CD2	10 ± 15	8 ± 15	18 ± 21	12 ± 17	20 ± 25
CD207 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD207 + CD28	2 ± 3	2 ± 3	3 ± 4	3 ± 5	2 ± 3
CD207 + CD29	107 ± 91	70 ± 46	140 ± 122	105 ± 76	209 ± 275
CD207 + CD3	10 ± 15	8 ± 14	14 ± 17	11 ± 16	21 ± 26
CD207 + CD31	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD4	4 ± 7	4 ± 7	6 ± 7	4 ± 7	5 ± 7
CD207 + CD44	132 ± 63	113 ± 89	161 ± 100	190 ± 154	266 ± 283
CD207 + CD45	11 ± 11	6 ± 10	23 ± 32	13 ± 21	11 ± 12
CD207 + CD45RA	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD207 + CD45RO	2 ± 5	2 ± 5	14 ± 22	11 ± 23	14 ± 25
CD207 + CD52	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 2
CD207 + CD54	15 ± 24	7 ± 22	17 ± 30	9 ± 21	7 ± 21
CD207 + CD56	0 ± 0	0 ± 1	0 ± 1	0 ± 0	0 ± 0
CD207 + CD58	43 ± 22	31 ± 26	52 ± 72	53 ± 50	127 ± 172
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	31 ± 31	38 ± 43	27 ± 19	27 ± 22	34 ± 42
CD207 + CD7	4 ± 9	3 ± 9	14 ± 24	19 ± 44	4 ± 9
CD207 + CD8a	3 ± 5	3 ± 5	3 ± 5	6 ± 10	3 ± 5
CD207 + CK14	215 ± 105	171 ± 105	276 ± 173	254 ± 168	422 ± 443
CD207 + CLA	47 ± 42	10 ± 17	37 ± 53	23 ± 30	29 ± 38
CD207 + c-myc	39 ± 35	52 ± 80	34 ± 25	43 ± 40	58 ± 64
CD207 + Collagen IV	3 ± 5	1 ± 2	6 ± 9	7 ± 10	4 ± 10
CD207 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	172 ± 71	131 ± 73	173 ± 147	149 ± 70	254 ± 207
CD207 + IL-22R	55 ± 48	53 ± 51	46 ± 50	66 ± 80	64 ± 60
CD207 + IL-23R	28 ± 39	34 ± 49	16 ± 27	23 ± 35	21 ± 26
CD207 + Ki67	7 ± 9	8 ± 8	16 ± 17	12 ± 14	15 ± 22
CD207 + PI	58 ± 49	51 ± 35	83 ± 57	73 ± 61	181 ± 230
CD207 + Podoplanin	9 ± 16	3 ± 4	4 ± 4	23 ± 61	2 ± 4
CD207 + SNA1	23 ± 29	17 ± 25	30 ± 47	20 ± 19	53 ± 85
CD207 + STAT3	47 ± 76	29 ± 26	26 ± 32	33 ± 40	43 ± 62
CD207 + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + Vimentin	102 ± 65	83 ± 58	128 ± 89	98 ± 74	185 ± 186

Tabelle 611: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	2 ± 3	2 ± 3	2 ± 3	2 ± 3	4 ± 5
CD24 + CCR6	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD24 + CD11a	6 ± 9	3 ± 7	4 ± 7	7 ± 12	4 ± 7
CD24 + CD11b	12 ± 31	10 ± 31	11 ± 31	19 ± 38	10 ± 31
CD24 + CD120a	1 ± 1	1 ± 1	1 ± 1	4 ± 9	1 ± 1
CD24 + CD120b	25 ± 50	6 ± 19	13 ± 24	8 ± 19	9 ± 19
CD24 + CD138	67 ± 187	65 ± 187	66 ± 187	64 ± 187	113 ± 203
CD24 + CD15	7 ± 14	1 ± 3	2 ± 3	7 ± 15	1 ± 3
CD24 + CD1a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	6 ± 17
CD24 + CD2	5 ± 12	4 ± 12	4 ± 11	4 ± 12	5 ± 11
CD24 + CD207	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CD28	6 ± 13	2 ± 3	2 ± 3	5 ± 9	2 ± 4
CD24 + CD29	83 ± 169	58 ± 167	64 ± 166	65 ± 165	106 ± 182
CD24 + CD3	10 ± 20	4 ± 13	7 ± 14	8 ± 15	5 ± 13
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	4 ± 12	4 ± 12	4 ± 12	7 ± 14	4 ± 12
CD24 + CD44	88 ± 185	61 ± 183	70 ± 181	71 ± 180	115 ± 203
CD24 + CD45	11 ± 25	2 ± 6	3 ± 6	6 ± 12	3 ± 6
CD24 + CD45RA	10 ± 17	4 ± 12	5 ± 12	6 ± 12	5 ± 12
CD24 + CD45RO	5 ± 13	4 ± 13	5 ± 13	6 ± 14	6 ± 13
CD24 + CD52	3 ± 5	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD24 + CD54	40 ± 92	31 ± 92	31 ± 92	34 ± 92	31 ± 92
CD24 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD58	10 ± 25	8 ± 25	9 ± 25	12 ± 26	19 ± 31
CD24 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD62P	2 ± 6	0 ± 1	0 ± 1	0 ± 1	2 ± 7
CD24 + CD68	5 ± 14	5 ± 14	5 ± 14	7 ± 15	6 ± 14
CD24 + CD7	5 ± 12	1 ± 4	4 ± 7	2 ± 4	2 ± 4
CD24 + CD8a	4 ± 10	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD24 + CK14	77 ± 186	66 ± 189	70 ± 188	74 ± 187	124 ± 211
CD24 + CLA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 6
CD24 + c-myc	20 ± 30	9 ± 23	10 ± 23	16 ± 29	12 ± 23
CD24 + Collagen IV	13 ± 23	7 ± 21	9 ± 21	14 ± 23	8 ± 21
CD24 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD24 + HLA-DR	53 ± 95	30 ± 86	34 ± 85	34 ± 85	57 ± 100
CD24 + IL-22R	7 ± 18	6 ± 18	6 ± 18	6 ± 18	7 ± 18
CD24 + IL-23R	3 ± 7	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD24 + Ki67	6 ± 15	5 ± 15	5 ± 15	6 ± 15	12 ± 23
CD24 + PI	23 ± 50	6 ± 13	9 ± 16	7 ± 13	44 ± 104
CD24 + Podoplanin	43 ± 125	42 ± 125	42 ± 125	43 ± 125	44 ± 125
CD24 + SNA1	31 ± 57	11 ± 32	16 ± 32	20 ± 35	42 ± 84
CD24 + STAT3	6 ± 12	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD24 + TIA1	2 ± 4	1 ± 3	2 ± 3	4 ± 10	1 ± 3
CD24 + Vimentin	13 ± 34	11 ± 34	12 ± 34	12 ± 34	21 ± 37

Tabelle 612: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + BCL2	11 ± 22	2 ± 4	11 ± 16	3 ± 4	3 ± 4
CD28 + CCR6	14 ± 26	7 ± 21	9 ± 21	10 ± 21	9 ± 21
CD28 + CD11a	60 ± 101	27 ± 68	60 ± 86	42 ± 69	34 ± 68
CD28 + CD11b	6 ± 14	5 ± 14	5 ± 14	5 ± 14	6 ± 14
CD28 + CD120a	2 ± 4	1 ± 3	2 ± 4	7 ± 16	1 ± 3
CD28 + CD120b	14 ± 24	2 ± 7	6 ± 9	5 ± 9	7 ± 16
CD28 + CD138	40 ± 84	10 ± 24	22 ± 30	11 ± 23	14 ± 25
CD28 + CD15	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD1a	6 ± 11	2 ± 6	4 ± 7	2 ± 6	3 ± 6
CD28 + CD2	52 ± 85	26 ± 67	48 ± 74	31 ± 66	34 ± 67
CD28 + CD207	2 ± 3	2 ± 3	3 ± 4	3 ± 5	2 ± 3
CD28 + CD24	6 ± 13	2 ± 3	2 ± 3	5 ± 9	2 ± 4
CD28 + CD29	80 ± 124	29 ± 73	53 ± 78	39 ± 72	32 ± 72
CD28 + CD3	87 ± 145	29 ± 75	71 ± 106	50 ± 79	48 ± 84
CD28 + CD31	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD4	39 ± 69	21 ± 54	40 ± 67	33 ± 58	30 ± 57
CD28 + CD44	86 ± 142	28 ± 69	66 ± 93	49 ± 74	43 ± 75
CD28 + CD45	49 ± 65	18 ± 44	55 ± 84	32 ± 48	25 ± 46
CD28 + CD45RA	4 ± 6	2 ± 6	4 ± 7	3 ± 6	3 ± 6
CD28 + CD45RO	31 ± 58	17 ± 52	42 ± 68	24 ± 51	28 ± 56
CD28 + CD52	11 ± 15	6 ± 16	13 ± 23	9 ± 15	7 ± 16
CD28 + CD54	36 ± 56	17 ± 52	20 ± 51	28 ± 56	20 ± 51
CD28 + CD56	0 ± 0	0 ± 0	0 ± 1	2 ± 5	0 ± 0
CD28 + CD58	53 ± 115	15 ± 43	17 ± 42	23 ± 46	26 ± 49
CD28 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD28 + CD68	17 ± 39	16 ± 39	18 ± 39	17 ± 39	16 ± 39
CD28 + CD7	44 ± 75	17 ± 47	47 ± 66	26 ± 46	26 ± 50
CD28 + CD8a	22 ± 32	5 ± 12	17 ± 31	7 ± 12	9 ± 14
CD28 + CK14	76 ± 121	31 ± 66	72 ± 96	43 ± 62	44 ± 69
CD28 + CLA	14 ± 26	10 ± 25	13 ± 25	11 ± 25	13 ± 25
CD28 + c-myc	31 ± 51	6 ± 14	19 ± 31	14 ± 18	16 ± 26
CD28 + Collagen IV	30 ± 59	5 ± 10	17 ± 28	11 ± 12	11 ± 18
CD28 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD28 + HLA-DR	79 ± 128	25 ± 61	43 ± 63	38 ± 60	38 ± 66
CD28 + IL-22R	4 ± 5	2 ± 5	3 ± 5	3 ± 5	2 ± 5
CD28 + IL-23R	1 ± 2	0 ± 0	1 ± 2	0 ± 1	0 ± 0
CD28 + Ki67	2 ± 4	1 ± 3	2 ± 3	2 ± 4	1 ± 3
CD28 + PI	51 ± 75	15 ± 33	45 ± 70	23 ± 33	25 ± 40
CD28 + Podoplanin	29 ± 73	2 ± 6	4 ± 7	5 ± 11	2 ± 6
CD28 + SNA1	68 ± 139	10 ± 23	30 ± 41	19 ± 24	21 ± 34
CD28 + STAT3	2 ± 3	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD28 + TIA1	3 ± 6	1 ± 2	3 ± 7	1 ± 3	1 ± 2
CD28 + Vimentin	48 ± 83	24 ± 65	38 ± 64	28 ± 64	32 ± 66

Tabelle 613: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	16 ± 26	383 ± 1121	78 ± 193	16 ± 26	10 ± 15
CD29 + BCL2	1844 ± 2393	546 ± 520	1216 ± 1135	632 ± 501	868 ± 464
CD29 + CCR6	91 ± 128	89 ± 172	89 ± 136	93 ± 106	120 ± 174
CD29 + CD11a	250 ± 415	126 ± 313	290 ± 340	213 ± 324	142 ± 307
CD29 + CD11b	111 ± 217	90 ± 223	97 ± 221	94 ± 222	97 ± 220
CD29 + CD120a	42 ± 26	48 ± 56	55 ± 60	46 ± 30	46 ± 47
CD29 + CD120b	53 ± 82	10 ± 29	26 ± 41	18 ± 30	13 ± 29
CD29 + CD138	9059 ± 12317	3147 ± 2969	5804 ± 5087	3316 ± 2984	4720 ± 3654
CD29 + CD15	36 ± 47	10 ± 13	8 ± 14	12 ± 13	11 ± 13
CD29 + CD1a	112 ± 134	65 ± 104	102 ± 191	58 ± 67	249 ± 386
CD29 + CD2	330 ± 458	137 ± 320	373 ± 437	181 ± 308	213 ± 299
CD29 + CD207	107 ± 91	70 ± 46	140 ± 122	105 ± 76	209 ± 275
CD29 + CD24	83 ± 169	58 ± 167	64 ± 166	65 ± 165	106 ± 182
CD29 + CD28	80 ± 124	29 ± 73	53 ± 78	39 ± 72	32 ± 72
CD29 + CD3	308 ± 493	136 ± 360	314 ± 418	244 ± 398	230 ± 375
CD29 + CD31	45 ± 62	24 ± 35	82 ± 170	75 ± 129	19 ± 33
CD29 + CD4	89 ± 196	73 ± 198	98 ± 191	84 ± 195	76 ± 196
CD29 + CD44	7923 ± 11236	2944 ± 4240	5177 ± 5057	4546 ± 5393	5360 ± 4909
CD29 + CD45	141 ± 152	47 ± 121	198 ± 241	89 ± 129	71 ± 121
CD29 + CD45RA	108 ± 164	63 ± 149	87 ± 145	72 ± 146	67 ± 147
CD29 + CD45RO	97 ± 173	50 ± 145	152 ± 183	97 ± 154	117 ± 162
CD29 + CD52	22 ± 25	10 ± 22	16 ± 25	15 ± 22	13 ± 21
CD29 + CD54	1012 ± 1733	354 ± 1043	478 ± 1053	435 ± 1032	452 ± 1025
CD29 + CD56	21 ± 21	194 ± 377	92 ± 165	15 ± 16	32 ± 36
CD29 + CD58	4082 ± 7938	1152 ± 2443	1272 ± 2436	1617 ± 2806	2548 ± 3367
CD29 + CD62E	17 ± 36	7 ± 14	9 ± 17	5 ± 14	5 ± 14
CD29 + CD62P	14 ± 27	20 ± 33	12 ± 27	33 ± 66	13 ± 27
CD29 + CD68	1071 ± 1093	1187 ± 1029	1132 ± 1046	1136 ± 1149	1101 ± 1157
CD29 + CD7	205 ± 359	79 ± 226	338 ± 422	239 ± 333	114 ± 221
CD29 + CD8a	164 ± 215	81 ± 188	131 ± 183	105 ± 182	138 ± 186
CD29 + CK14	15643 ± 13847	8041 ± 7837	11883 ± 8943	10466 ± 9097	12087 ± 8368
CD29 + CLA	192 ± 174	88 ± 172	170 ± 185	161 ± 174	157 ± 172
CD29 + c-myc	4297 ± 4268	2520 ± 3369	2820 ± 3078	2691 ± 3489	3089 ± 3337
CD29 + Collagen IV	2199 ± 3105	1321 ± 2196	1747 ± 2124	1898 ± 2314	1608 ± 2129
CD29 + FXIIIA	28 ± 67	27 ± 67	46 ± 80	25 ± 67	31 ± 66
CD29 + HLA-DR	4895 ± 7607	1866 ± 2646	2265 ± 2955	1742 ± 2645	2371 ± 2864
CD29 + IL-22R	1015 ± 981	821 ± 1058	865 ± 1049	807 ± 1061	888 ± 1006
CD29 + IL-23R	163 ± 226	391 ± 828	98 ± 144	144 ± 158	124 ± 134
CD29 + Ki67	659 ± 865	278 ± 466	492 ± 522	347 ± 448	378 ± 451
CD29 + PI	4788 ± 3828	2605 ± 2455	3914 ± 3264	3201 ± 2696	4370 ± 3163
CD29 + Podoplanin	4033 ± 7759	1028 ± 1827	954 ± 1807	1748 ± 3579	716 ± 1799
CD29 + SNA1	6011 ± 11429	1485 ± 1861	2580 ± 2528	1897 ± 2029	2278 ± 2167
CD29 + STAT3	458 ± 428	938 ± 1456	489 ± 866	416 ± 584	310 ± 350
CD29 + TIA1	44 ± 79	25 ± 42	48 ± 65	20 ± 32	19 ± 31
CD29 + Vimentin	2683 ± 2126	1619 ± 1909	2115 ± 1934	2070 ± 1858	2159 ± 1920

Tabelle 614: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + BCL2	44 ± 77	15 ± 27	66 ± 92	38 ± 46	34 ± 45
CD3 + CCR6	33 ± 49	14 ± 36	24 ± 41	32 ± 48	31 ± 45
CD3 + CD11a	184 ± 285	106 ± 249	241 ± 289	183 ± 258	134 ± 247
CD3 + CD11b	26 ± 65	22 ± 66	23 ± 66	24 ± 66	31 ± 66
CD3 + CD120a	2 ± 3	1 ± 1	2 ± 2	7 ± 17	2 ± 3
CD3 + CD120b	23 ± 34	6 ± 19	19 ± 31	16 ± 26	15 ± 25
CD3 + CD138	171 ± 315	54 ± 141	173 ± 228	77 ± 142	87 ± 157
CD3 + CD15	3 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD3 + CD1a	20 ± 37	12 ± 33	15 ± 33	15 ± 33	30 ± 43
CD3 + CD2	209 ± 300	113 ± 257	224 ± 267	171 ± 259	175 ± 257
CD3 + CD207	10 ± 15	8 ± 14	14 ± 17	11 ± 16	21 ± 26
CD3 + CD24	10 ± 20	4 ± 13	7 ± 14	8 ± 15	5 ± 13
CD3 + CD28	87 ± 145	29 ± 75	71 ± 106	50 ± 79	48 ± 84
CD3 + CD29	308 ± 493	136 ± 360	314 ± 418	244 ± 398	230 ± 375
CD3 + CD31	3 ± 9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD4	79 ± 143	53 ± 134	97 ± 141	84 ± 145	70 ± 135
CD3 + CD44	303 ± 460	129 ± 311	364 ± 475	333 ± 534	254 ± 367
CD3 + CD45	115 ± 139	53 ± 125	190 ± 250	105 ± 144	76 ± 128
CD3 + CD45RA	34 ± 62	30 ± 64	39 ± 64	34 ± 63	33 ± 63
CD3 + CD45RO	77 ± 146	45 ± 133	123 ± 174	92 ± 148	104 ± 166
CD3 + CD52	17 ± 26	11 ± 27	27 ± 50	16 ± 27	14 ± 26
CD3 + CD54	130 ± 236	77 ± 230	91 ± 227	107 ± 232	87 ± 228
CD3 + CD56	0 ± 0	0 ± 0	2 ± 4	4 ± 11	2 ± 6
CD3 + CD58	180 ± 364	65 ± 189	76 ± 187	116 ± 228	167 ± 270
CD3 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD68	72 ± 144	66 ± 146	80 ± 142	77 ± 142	69 ± 145
CD3 + CD7	133 ± 217	68 ± 183	218 ± 261	187 ± 277	118 ± 196
CD3 + CD8a	99 ± 131	54 ± 115	124 ± 139	82 ± 120	104 ± 151
CD3 + CK14	348 ± 480	170 ± 383	464 ± 564	365 ± 517	344 ± 467
CD3 + CLA	74 ± 93	49 ± 95	85 ± 97	85 ± 100	78 ± 102
CD3 + c-myc	89 ± 131	27 ± 61	91 ± 128	79 ± 117	106 ± 170
CD3 + Collagen IV	73 ± 127	23 ± 53	78 ± 100	63 ± 81	58 ± 106
CD3 + FXIIIA	3 ± 5	1 ± 3	1 ± 3	3 ± 6	2 ± 3
CD3 + HLA-DR	265 ± 418	106 ± 270	235 ± 336	174 ± 277	198 ± 314
CD3 + IL-22R	17 ± 30	12 ± 29	16 ± 29	12 ± 29	13 ± 28
CD3 + IL-23R	3 ± 6	1 ± 3	1 ± 3	5 ± 12	3 ± 6
CD3 + Ki67	15 ± 26	9 ± 23	18 ± 27	11 ± 23	11 ± 24
CD3 + PI	207 ± 253	87 ± 183	280 ± 377	169 ± 210	202 ± 281
CD3 + Podoplanin	116 ± 239	22 ± 67	36 ± 73	87 ± 191	26 ± 67
CD3 + SNA1	204 ± 414	33 ± 82	147 ± 196	89 ± 130	106 ± 175
CD3 + STAT3	8 ± 14	2 ± 4	1 ± 4	5 ± 11	2 ± 4
CD3 + TIA1	27 ± 37	14 ± 28	23 ± 27	18 ± 28	18 ± 28
CD3 + Vimentin	205 ± 307	108 ± 279	210 ± 293	175 ± 278	190 ± 291

Tabelle 615: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	8 ± 15	11 ± 24	49 ± 122	15 ± 34	4 ± 10
CD31 + BCL2	3 ± 6	2 ± 5	5 ± 7	2 ± 5	2 ± 5
CD31 + CCR6	0 ± 0	3 ± 8	21 ± 62	0 ± 0	0 ± 0
CD31 + CD11a	1 ± 4	1 ± 4	1 ± 4	2 ± 5	1 ± 4
CD31 + CD11b	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
CD31 + CD120a	0 ± 0	0 ± 0	1 ± 2	0 ± 1	0 ± 0
CD31 + CD120b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD138	0 ± 1	8 ± 23	60 ± 179	5 ± 14	0 ± 1
CD31 + CD15	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD29	45 ± 62	24 ± 35	82 ± 170	75 ± 129	19 ± 33
CD31 + CD3	3 ± 9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD4	4 ± 9	3 ± 9	4 ± 9	3 ± 9	3 ± 9
CD31 + CD44	10 ± 21	3 ± 7	4 ± 6	3 ± 6	5 ± 8
CD31 + CD45	3 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD31 + CD45RA	1 ± 2	1 ± 2	3 ± 6	1 ± 2	1 ± 2
CD31 + CD45RO	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD54	35 ± 49	11 ± 23	14 ± 23	95 ± 243	13 ± 23
CD31 + CD56	0 ± 0	4 ± 12	38 ± 114	0 ± 0	0 ± 0
CD31 + CD58	10 ± 16	10 ± 16	22 ± 41	27 ± 46	8 ± 17
CD31 + CD62E	1 ± 4	0 ± 0	3 ± 9	0 ± 0	0 ± 0
CD31 + CD62P	2 ± 6	3 ± 6	3 ± 7	34 ± 96	2 ± 6
CD31 + CD68	16 ± 24	14 ± 25	18 ± 24	15 ± 24	16 ± 25
CD31 + CD7	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CK14	11 ± 15	15 ± 22	68 ± 167	24 ± 32	10 ± 13
CD31 + CLA	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + c-myc	25 ± 45	19 ± 34	76 ± 176	17 ± 29	11 ± 29
CD31 + Collagen IV	39 ± 45	18 ± 33	22 ± 31	96 ± 187	20 ± 32
CD31 + FXIIIA	4 ± 11	4 ± 11	21 ± 52	4 ± 11	4 ± 11
CD31 + HLA-DR	27 ± 43	7 ± 12	11 ± 11	10 ± 13	7 ± 12
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	3 ± 9	3 ± 9	3 ± 9	3 ± 9	3 ± 9
CD31 + Ki67	0 ± 1	0 ± 1	1 ± 1	0 ± 1	0 ± 1
CD31 + PI	28 ± 46	11 ± 13	45 ± 104	34 ± 65	8 ± 11
CD31 + Podoplanin	0 ± 1	6 ± 17	47 ± 141	0 ± 1	0 ± 1
CD31 + SNA1	46 ± 60	18 ± 31	23 ± 29	86 ± 157	20 ± 31
CD31 + STAT3	0 ± 0	8 ± 23	60 ± 180	0 ± 1	0 ± 0
CD31 + TIA1	0 ± 0	1 ± 4	14 ± 41	0 ± 1	0 ± 0
CD31 + Vimentin	31 ± 46	11 ± 27	19 ± 28	92 ± 232	10 ± 27

Tabelle 616: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	1 ± 3	1 ± 3	2 ± 4	1 ± 3	1 ± 3
CD4 + BCL2	9 ± 13	5 ± 9	15 ± 20	7 ± 9	7 ± 10
CD4 + CCR6	12 ± 27	9 ± 27	9 ± 27	12 ± 27	11 ± 27
CD4 + CD11a	78 ± 148	56 ± 142	94 ± 144	79 ± 145	67 ± 140
CD4 + CD11b	32 ± 85	31 ± 86	32 ± 85	32 ± 85	37 ± 85
CD4 + CD120a	3 ± 6	2 ± 6	4 ± 6	7 ± 16	5 ± 7
CD4 + CD120b	13 ± 25	6 ± 17	9 ± 17	9 ± 18	11 ± 20
CD4 + CD138	24 ± 48	15 ± 43	24 ± 42	16 ± 43	18 ± 42
CD4 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD1a	7 ± 17	6 ± 17	9 ± 18	6 ± 17	8 ± 17
CD4 + CD2	57 ± 118	47 ± 119	66 ± 115	55 ± 116	56 ± 116
CD4 + CD207	4 ± 7	4 ± 7	6 ± 7	4 ± 7	5 ± 7
CD4 + CD24	4 ± 12	4 ± 12	4 ± 12	7 ± 14	4 ± 12
CD4 + CD28	39 ± 69	21 ± 54	40 ± 67	33 ± 58	30 ± 57
CD4 + CD29	89 ± 196	73 ± 198	98 ± 191	84 ± 195	76 ± 196
CD4 + CD3	79 ± 143	53 ± 134	97 ± 141	84 ± 145	70 ± 135
CD4 + CD31	4 ± 9	3 ± 9	4 ± 9	3 ± 9	3 ± 9
CD4 + CD44	99 ± 178	71 ± 172	115 ± 170	103 ± 182	86 ± 170
CD4 + CD45	49 ± 90	33 ± 85	77 ± 107	52 ± 91	43 ± 85
CD4 + CD45RA	10 ± 26	9 ± 26	12 ± 25	11 ± 26	9 ± 26
CD4 + CD45RO	43 ± 98	33 ± 98	60 ± 104	41 ± 97	44 ± 99
CD4 + CD52	9 ± 20	8 ± 21	15 ± 27	11 ± 20	10 ± 20
CD4 + CD54	75 ± 179	60 ± 180	71 ± 177	77 ± 181	66 ± 179
CD4 + CD56	2 ± 4	1 ± 4	4 ± 6	3 ± 5	3 ± 6
CD4 + CD58	52 ± 114	37 ± 111	41 ± 110	50 ± 112	50 ± 111
CD4 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD62P	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD4 + CD68	55 ± 134	54 ± 134	60 ± 132	57 ± 133	58 ± 133
CD4 + CD7	49 ± 94	31 ± 85	61 ± 89	44 ± 85	37 ± 84
CD4 + CD8a	9 ± 23	9 ± 23	17 ± 29	10 ± 23	10 ± 23
CD4 + CK14	110 ± 210	91 ± 212	139 ± 203	115 ± 209	107 ± 207
CD4 + CLA	24 ± 47	21 ± 47	24 ± 46	23 ± 47	24 ± 46
CD4 + c-myc	77 ± 163	60 ± 164	82 ± 161	82 ± 164	74 ± 162
CD4 + Collagen IV	69 ± 131	49 ± 126	72 ± 122	63 ± 124	59 ± 125
CD4 + FXIIIA	7 ± 18	7 ± 18	7 ± 18	7 ± 18	7 ± 18
CD4 + HLA-DR	98 ± 179	69 ± 172	99 ± 166	86 ± 170	83 ± 170
CD4 + IL-22R	5 ± 12	5 ± 12	5 ± 12	6 ± 12	6 ± 12
CD4 + IL-23R	5 ± 12	4 ± 12	4 ± 12	6 ± 12	4 ± 12
CD4 + Ki67	3 ± 7	2 ± 7	3 ± 7	2 ± 7	3 ± 7
CD4 + PI	52 ± 96	38 ± 93	66 ± 97	45 ± 91	47 ± 91
CD4 + Podoplanin	22 ± 42	12 ± 33	12 ± 33	21 ± 39	13 ± 32
CD4 + SNA1	84 ± 143	54 ± 128	97 ± 127	71 ± 126	65 ± 126
CD4 + STAT3	1 ± 1	0 ± 1	0 ± 1	2 ± 5	2 ± 4
CD4 + TIA1	2 ± 4	1 ± 4	4 ± 7	2 ± 4	2 ± 4
CD4 + Vimentin	85 ± 195	71 ± 196	92 ± 190	80 ± 194	81 ± 194

Tabelle 617: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	0 ± 1	18 ± 53	3 ± 7	0 ± 1	1 ± 2
CD44 + BCL2	961 ± 1553	309 ± 344	991 ± 1102	370 ± 369	426 ± 275
CD44 + CCR6	76 ± 97	26 ± 38	62 ± 57	91 ± 86	131 ± 189
CD44 + CD11a	255 ± 416	116 ± 266	318 ± 352	266 ± 344	148 ± 262
CD44 + CD11b	117 ± 251	94 ± 257	108 ± 253	109 ± 254	117 ± 252
CD44 + CD120a	44 ± 26	52 ± 57	55 ± 47	74 ± 62	55 ± 36
CD44 + CD120b	58 ± 94	10 ± 28	33 ± 59	20 ± 32	18 ± 30
CD44 + CD138	9032 ± 12187	2759 ± 2778	7824 ± 8252	4673 ± 3809	5788 ± 5502
CD44 + CD15	23 ± 24	7 ± 12	7 ± 12	13 ± 17	9 ± 12
CD44 + CD1a	129 ± 99	93 ± 126	141 ± 241	118 ± 109	330 ± 455
CD44 + CD2	247 ± 353	103 ± 216	295 ± 332	176 ± 222	186 ± 212
CD44 + CD207	132 ± 63	113 ± 89	161 ± 100	190 ± 154	266 ± 283
CD44 + CD24	88 ± 185	61 ± 183	70 ± 181	71 ± 180	115 ± 203
CD44 + CD28	86 ± 142	28 ± 69	66 ± 93	49 ± 74	43 ± 75
CD44 + CD29	7923 ± 11236	2944 ± 4240	5177 ± 5057	4546 ± 5393	5360 ± 4909
CD44 + CD3	303 ± 460	129 ± 311	364 ± 475	333 ± 534	254 ± 367
CD44 + CD31	10 ± 21	3 ± 7	4 ± 6	3 ± 6	5 ± 8
CD44 + CD4	99 ± 178	71 ± 172	115 ± 170	103 ± 182	86 ± 170
CD44 + CD45	149 ± 157	55 ± 126	249 ± 315	142 ± 181	96 ± 133
CD44 + CD45RA	89 ± 147	48 ± 131	78 ± 141	61 ± 128	55 ± 129
CD44 + CD45RO	91 ± 169	45 ± 133	143 ± 180	118 ± 171	140 ± 209
CD44 + CD52	19 ± 22	9 ± 21	24 ± 46	14 ± 22	15 ± 20
CD44 + CD54	913 ± 1623	310 ± 908	432 ± 920	388 ± 896	374 ± 895
CD44 + CD56	8 ± 12	6 ± 9	17 ± 25	9 ± 15	8 ± 9
CD44 + CD58	4224 ± 8204	1326 ± 2758	1805 ± 2973	1905 ± 3180	2878 ± 3883
CD44 + CD62E	3 ± 7	4 ± 11	1 ± 1	0 ± 1	0 ± 1
CD44 + CD62P	2 ± 6	1 ± 1	0 ± 0	0 ± 0	3 ± 8
CD44 + CD68	384 ± 437	400 ± 446	436 ± 415	418 ± 435	505 ± 603
CD44 + CD7	200 ± 340	72 ± 195	348 ± 432	314 ± 446	113 ± 193
CD44 + CD8a	136 ± 186	62 ± 145	141 ± 158	109 ± 156	122 ± 158
CD44 + CK14	13441 ± 13561	5860 ± 7024	13263 ± 12190	10552 ± 9227	11104 ± 8963
CD44 + CLA	184 ± 185	96 ± 195	181 ± 198	198 ± 216	172 ± 207
CD44 + c-myc	2368 ± 2549	1469 ± 1611	1560 ± 1363	1751 ± 1817	1844 ± 1482
CD44 + Collagen IV	1068 ± 1776	472 ± 841	841 ± 858	878 ± 1067	731 ± 892
CD44 + FXIIIA	10 ± 16	7 ± 16	9 ± 15	9 ± 16	27 ± 60
CD44 + HLA-DR	5455 ± 8511	2100 ± 3376	2947 ± 3641	2609 ± 3356	3089 ± 3795
CD44 + IL-22R	1215 ± 953	943 ± 1046	1237 ± 1178	1020 ± 1009	1068 ± 959
CD44 + IL-23R	282 ± 399	506 ± 1008	138 ± 307	204 ± 300	180 ± 295
CD44 + Ki67	491 ± 577	255 ± 363	695 ± 784	383 ± 392	489 ± 737
CD44 + PI	3583 ± 2522	1779 ± 1641	3801 ± 3199	2952 ± 1818	4080 ± 3602
CD44 + Podoplanin	4341 ± 8328	706 ± 2067	980 ± 2090	2099 ± 4282	784 ± 2051
CD44 + SNA1	4296 ± 10060	721 ± 1160	1646 ± 1785	1132 ± 1392	1468 ± 1591
CD44 + STAT3	875 ± 1274	588 ± 769	278 ± 349	554 ± 698	472 ± 433
CD44 + TIA1	39 ± 78	8 ± 22	25 ± 30	15 ± 24	12 ± 23
CD44 + Vimentin	1746 ± 1599	1006 ± 1495	1642 ± 1543	1485 ± 1412	1628 ± 1605

Tabelle 618: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + BCL2	19 ± 24	5 ± 8	40 ± 52	9 ± 10	8 ± 10
CD45 + CCR6	19 ± 30	9 ± 27	16 ± 30	14 ± 27	14 ± 28
CD45 + CD11a	108 ± 154	59 ± 137	238 ± 289	127 ± 164	79 ± 136
CD45 + CD11b	25 ± 58	20 ± 59	26 ± 59	22 ± 59	27 ± 60
CD45 + CD120a	7 ± 9	4 ± 8	18 ± 40	11 ± 20	7 ± 8
CD45 + CD120b	18 ± 27	4 ± 13	10 ± 16	8 ± 14	7 ± 15
CD45 + CD138	61 ± 82	12 ± 30	85 ± 112	21 ± 32	34 ± 53
CD45 + CD15	4 ± 10	0 ± 0	0 ± 1	1 ± 2	0 ± 0
CD45 + CD1a	14 ± 22	9 ± 23	28 ± 58	17 ± 29	17 ± 24
CD45 + CD2	98 ± 113	47 ± 105	185 ± 226	63 ± 100	75 ± 105
CD45 + CD207	11 ± 11	6 ± 10	23 ± 32	13 ± 21	11 ± 12
CD45 + CD24	11 ± 25	2 ± 6	3 ± 6	6 ± 12	3 ± 6
CD45 + CD28	49 ± 65	18 ± 44	55 ± 84	32 ± 48	25 ± 46
CD45 + CD29	141 ± 152	47 ± 121	198 ± 241	89 ± 129	71 ± 121
CD45 + CD3	115 ± 139	53 ± 125	190 ± 250	105 ± 144	76 ± 128
CD45 + CD31	3 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45 + CD4	49 ± 90	33 ± 85	77 ± 107	52 ± 91	43 ± 85
CD45 + CD44	149 ± 157	55 ± 126	249 ± 315	142 ± 181	96 ± 133
CD45 + CD45RA	14 ± 26	11 ± 27	24 ± 38	15 ± 27	11 ± 27
CD45 + CD45RO	57 ± 105	35 ± 102	144 ± 182	66 ± 107	63 ± 109
CD45 + CD52	16 ± 23	8 ± 22	23 ± 45	12 ± 22	11 ± 22
CD45 + CD54	80 ± 126	43 ± 128	103 ± 189	70 ± 133	48 ± 127
CD45 + CD56	0 ± 1	0 ± 0	1 ± 3	0 ± 1	1 ± 4
CD45 + CD58	67 ± 114	27 ± 77	49 ± 89	57 ± 109	49 ± 88
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	41 ± 82	33 ± 84	59 ± 88	37 ± 83	42 ± 83
CD45 + CD7	59 ± 81	27 ± 72	174 ± 240	71 ± 94	47 ± 73
CD45 + CD8a	49 ± 49	20 ± 41	76 ± 96	38 ± 47	41 ± 51
CD45 + CK14	135 ± 129	48 ± 94	269 ± 326	129 ± 149	84 ± 102
CD45 + CLA	30 ± 35	21 ± 38	46 ± 42	37 ± 45	26 ± 37
CD45 + c-myc	49 ± 51	12 ± 31	69 ± 119	53 ± 94	20 ± 36
CD45 + Collagen IV	36 ± 53	11 ± 28	66 ± 105	36 ± 51	18 ± 29
CD45 + FXIIIA	2 ± 6	2 ± 6	3 ± 6	2 ± 6	2 ± 6
CD45 + HLA-DR	142 ± 158	51 ± 124	158 ± 195	107 ± 143	76 ± 128
CD45 + IL-22R	8 ± 9	5 ± 10	7 ± 9	7 ± 9	7 ± 10
CD45 + IL-23R	5 ± 9	3 ± 7	5 ± 7	5 ± 8	5 ± 7
CD45 + Ki67	4 ± 6	2 ± 6	7 ± 10	3 ± 6	3 ± 6
CD45 + PI	90 ± 77	27 ± 53	171 ± 245	68 ± 76	52 ± 61
CD45 + Podoplanin	38 ± 70	4 ± 13	11 ± 21	19 ± 42	5 ± 13
CD45 + SNA1	96 ± 139	22 ± 62	129 ± 176	55 ± 76	45 ± 72
CD45 + STAT3	4 ± 6	1 ± 2	1 ± 2	2 ± 3	2 ± 4
CD45 + TIA1	10 ± 14	4 ± 10	15 ± 17	6 ± 10	5 ± 10
CD45 + Vimentin	98 ± 119	45 ± 116	154 ± 176	77 ± 119	72 ± 117

Tabelle 619: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	0 ± 0	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD45RA + BCL2	21 ± 25	15 ± 23	24 ± 23	16 ± 22	20 ± 23
CD45RA + CCR6	4 ± 4	2 ± 4	6 ± 9	3 ± 4	4 ± 7
CD45RA + CD11a	54 ± 96	42 ± 96	61 ± 98	51 ± 94	44 ± 95
CD45RA + CD11b	16 ± 40	14 ± 40	15 ± 40	17 ± 39	15 ± 40
CD45RA + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 2	1 ± 2
CD45RA + CD120b	9 ± 13	3 ± 9	4 ± 10	4 ± 9	4 ± 9
CD45RA + CD138	39 ± 61	20 ± 46	33 ± 47	21 ± 45	21 ± 46
CD45RA + CD15	2 ± 5	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD45RA + CD1a	3 ± 9	3 ± 9	3 ± 9	4 ± 9	3 ± 9
CD45RA + CD2	35 ± 45	25 ± 43	38 ± 43	26 ± 43	25 ± 43
CD45RA + CD207	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD45RA + CD24	10 ± 17	4 ± 12	5 ± 12	6 ± 12	5 ± 12
CD45RA + CD28	4 ± 6	2 ± 6	4 ± 7	3 ± 6	3 ± 6
CD45RA + CD29	108 ± 164	63 ± 149	87 ± 145	72 ± 146	67 ± 147
CD45RA + CD3	34 ± 62	30 ± 64	39 ± 64	34 ± 63	33 ± 63
CD45RA + CD31	1 ± 2	1 ± 2	3 ± 6	1 ± 2	1 ± 2
CD45RA + CD4	10 ± 26	9 ± 26	12 ± 25	11 ± 26	9 ± 26
CD45RA + CD44	89 ± 147	48 ± 131	78 ± 141	61 ± 128	55 ± 129
CD45RA + CD45	14 ± 26	11 ± 27	24 ± 38	15 ± 27	11 ± 27
CD45RA + CD45RO	5 ± 12	4 ± 12	7 ± 14	5 ± 12	4 ± 12
CD45RA + CD52	2 ± 3	1 ± 2	4 ± 10	1 ± 2	1 ± 2
CD45RA + CD54	47 ± 117	40 ± 119	42 ± 118	41 ± 118	40 ± 118
CD45RA + CD56	3 ± 7	0 ± 1	4 ± 8	0 ± 1	0 ± 1
CD45RA + CD58	45 ± 88	24 ± 72	26 ± 71	29 ± 71	28 ± 71
CD45RA + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD62P	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD68	36 ± 83	35 ± 83	36 ± 83	37 ± 82	36 ± 83
CD45RA + CD7	53 ± 88	30 ± 77	55 ± 91	37 ± 75	31 ± 76
CD45RA + CD8a	36 ± 64	33 ± 66	38 ± 64	34 ± 65	37 ± 65
CD45RA + CK14	128 ± 203	95 ± 204	134 ± 200	109 ± 199	102 ± 201
CD45RA + CLA	40 ± 61	31 ± 64	39 ± 61	38 ± 61	38 ± 62
CD45RA + c-myc	62 ± 107	36 ± 98	49 ± 96	47 ± 97	42 ± 97
CD45RA + Collagen IV	52 ± 89	28 ± 74	38 ± 73	39 ± 72	31 ± 73
CD45RA + FXIIIA	4 ± 11	4 ± 11	5 ± 11	4 ± 11	4 ± 11
CD45RA + HLA-DR	84 ± 137	51 ± 131	65 ± 130	56 ± 130	56 ± 130
CD45RA + IL-22R	6 ± 13	5 ± 14	5 ± 13	5 ± 13	5 ± 14
CD45RA + IL-23R	1 ± 2	1 ± 3	1 ± 3	1 ± 3	1 ± 2
CD45RA + Ki67	6 ± 17	6 ± 17	7 ± 17	6 ± 17	6 ± 17
CD45RA + PI	61 ± 84	41 ± 84	73 ± 97	50 ± 81	46 ± 82
CD45RA + Podoplanin	26 ± 51	10 ± 29	13 ± 30	10 ± 29	10 ± 29
CD45RA + SNA1	70 ± 112	25 ± 55	41 ± 59	36 ± 53	27 ± 54
CD45RA + STAT3	3 ± 4	1 ± 3	5 ± 11	1 ± 3	1 ± 3
CD45RA + TIA1	17 ± 28	8 ± 15	13 ± 14	10 ± 15	9 ± 15
CD45RA + Vimentin	71 ± 128	48 ± 127	61 ± 125	52 ± 126	51 ± 126

Tabelle 620: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD45RO + BCL2	10 ± 19	2 ± 7	32 ± 52	8 ± 11	9 ± 16
CD45RO + CCR6	14 ± 29	10 ± 29	13 ± 29	18 ± 31	18 ± 31
CD45RO + CD11a	75 ± 145	45 ± 132	136 ± 173	85 ± 139	68 ± 136
CD45RO + CD11b	29 ± 74	25 ± 75	29 ± 74	26 ± 74	41 ± 76
CD45RO + CD120a	6 ± 17	6 ± 17	17 ± 31	9 ± 17	8 ± 17
CD45RO + CD120b	9 ± 16	5 ± 14	8 ± 14	8 ± 16	8 ± 16
CD45RO + CD138	43 ± 81	15 ± 42	57 ± 69	29 ± 45	56 ± 81
CD45RO + CD15	3 ± 6	0 ± 0	0 ± 1	0 ± 1	1 ± 2
CD45RO + CD1a	9 ± 25	8 ± 25	13 ± 27	16 ± 30	31 ± 51
CD45RO + CD2	78 ± 141	45 ± 132	141 ± 173	74 ± 131	97 ± 143
CD45RO + CD207	2 ± 5	2 ± 5	14 ± 22	11 ± 23	14 ± 25
CD45RO + CD24	5 ± 13	4 ± 13	5 ± 13	6 ± 14	6 ± 13
CD45RO + CD28	31 ± 58	17 ± 52	42 ± 68	24 ± 51	28 ± 56
CD45RO + CD29	97 ± 173	50 ± 145	152 ± 183	97 ± 154	117 ± 162
CD45RO + CD3	77 ± 146	45 ± 133	123 ± 174	92 ± 148	104 ± 166
CD45RO + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD4	43 ± 98	33 ± 98	60 ± 104	41 ± 97	44 ± 99
CD45RO + CD44	91 ± 169	45 ± 133	143 ± 180	118 ± 171	140 ± 209
CD45RO + CD45	57 ± 105	35 ± 102	144 ± 182	66 ± 107	63 ± 109
CD45RO + CD45RA	5 ± 12	4 ± 12	7 ± 14	5 ± 12	4 ± 12
CD45RO + CD52	9 ± 21	7 ± 21	16 ± 32	10 ± 22	11 ± 21
CD45RO + CD54	60 ± 134	44 ± 133	69 ± 139	53 ± 131	50 ± 132
CD45RO + CD56	0 ± 0	0 ± 1	1 ± 3	0 ± 1	3 ± 5
CD45RO + CD58	48 ± 94	26 ± 78	31 ± 77	36 ± 79	79 ± 132
CD45RO + CD62E	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD45RO + CD62P	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CD68	39 ± 107	37 ± 108	59 ± 107	42 ± 106	45 ± 106
CD45RO + CD7	41 ± 78	24 ± 72	103 ± 124	65 ± 91	45 ± 77
CD45RO + CD8a	21 ± 33	9 ± 27	32 ± 58	18 ± 29	30 ± 45
CD45RO + CK14	76 ± 130	37 ± 105	173 ± 222	117 ± 162	149 ± 199
CD45RO + CLA	16 ± 31	11 ± 31	25 ± 34	29 ± 41	22 ± 34
CD45RO + c-myc	34 ± 64	12 ± 35	50 ± 85	25 ± 40	49 ± 77
CD45RO + Collagen IV	31 ± 66	10 ± 29	48 ± 82	20 ± 32	27 ± 52
CD45RO + FXIIIA	3 ± 7	2 ± 7	3 ± 7	2 ± 7	3 ± 7
CD45RO + HLA-DR	99 ± 186	46 ± 136	120 ± 171	88 ± 149	114 ± 190
CD45RO + IL-22R	4 ± 8	3 ± 8	5 ± 8	3 ± 8	4 ± 8
CD45RO + IL-23R	6 ± 12	4 ± 11	7 ± 11	9 ± 19	9 ± 15
CD45RO + Ki67	3 ± 7	2 ± 7	6 ± 8	4 ± 7	5 ± 9
CD45RO + PI	54 ± 91	27 ± 78	130 ± 164	64 ± 93	103 ± 145
CD45RO + Podoplanin	27 ± 53	9 ± 25	12 ± 26	15 ± 29	9 ± 25
CD45RO + SNA1	79 ± 165	23 ± 67	96 ± 136	49 ± 74	85 ± 149
CD45RO + STAT3	2 ± 4	0 ± 1	0 ± 0	2 ± 4	5 ± 12
CD45RO + TIA1	6 ± 13	2 ± 7	6 ± 11	3 ± 7	3 ± 7
CD45RO + Vimentin	78 ± 156	50 ± 150	145 ± 182	86 ± 153	123 ± 178

Tabelle 621: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + BCL2	10 ± 17	2 ± 4	5 ± 8	3 ± 4	3 ± 4
CD52 + CCR6	7 ± 13	5 ± 13	5 ± 13	6 ± 13	6 ± 13
CD52 + CD11a	15 ± 24	10 ± 24	24 ± 44	15 ± 25	12 ± 24
CD52 + CD11b	2 ± 7	2 ± 7	2 ± 7	2 ± 6	3 ± 6
CD52 + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 3
CD52 + CD120b	4 ± 6	1 ± 4	3 ± 6	1 ± 4	1 ± 4
CD52 + CD138	11 ± 12	3 ± 7	6 ± 9	4 ± 7	5 ± 7
CD52 + CD15	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD52 + CD2	20 ± 27	11 ± 26	22 ± 37	15 ± 26	15 ± 25
CD52 + CD207	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 2
CD52 + CD24	3 ± 5	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD52 + CD28	11 ± 15	6 ± 16	13 ± 23	9 ± 15	7 ± 16
CD52 + CD29	22 ± 25	10 ± 22	16 ± 25	15 ± 22	13 ± 21
CD52 + CD3	17 ± 26	11 ± 27	27 ± 50	16 ± 27	14 ± 26
CD52 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD4	9 ± 20	8 ± 21	15 ± 27	11 ± 20	10 ± 20
CD52 + CD44	19 ± 22	9 ± 21	24 ± 46	14 ± 22	15 ± 20
CD52 + CD45	16 ± 23	8 ± 22	23 ± 45	12 ± 22	11 ± 22
CD52 + CD45RA	2 ± 3	1 ± 2	4 ± 10	1 ± 2	1 ± 2
CD52 + CD45RO	9 ± 21	7 ± 21	16 ± 32	10 ± 22	11 ± 21
CD52 + CD54	8 ± 15	5 ± 16	6 ± 15	8 ± 16	5 ± 16
CD52 + CD56	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD52 + CD58	9 ± 15	5 ± 14	5 ± 14	9 ± 17	7 ± 14
CD52 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD62P	2 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD52 + CD68	9 ± 21	10 ± 21	9 ± 21	10 ± 21	11 ± 21
CD52 + CD7	11 ± 16	6 ± 16	17 ± 36	10 ± 17	8 ± 16
CD52 + CD8a	12 ± 15	6 ± 15	17 ± 33	8 ± 14	9 ± 15
CD52 + CK14	25 ± 25	9 ± 16	21 ± 35	17 ± 19	15 ± 15
CD52 + CLA	6 ± 13	5 ± 13	6 ± 13	6 ± 13	6 ± 12
CD52 + c-myc	12 ± 20	2 ± 3	12 ± 29	7 ± 10	4 ± 6
CD52 + Collagen IV	4 ± 6	2 ± 4	10 ± 24	6 ± 8	3 ± 4
CD52 + FXIIIA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + HLA-DR	16 ± 23	9 ± 23	16 ± 29	14 ± 24	11 ± 22
CD52 + IL-22R	5 ± 14	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD52 + IL-23R	7 ± 20	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + Ki67	1 ± 1	1 ± 1	1 ± 1	0 ± 1	1 ± 1
CD52 + PI	12 ± 12	5 ± 8	17 ± 35	9 ± 10	9 ± 8
CD52 + Podoplanin	4 ± 8	1 ± 3	1 ± 3	3 ± 7	1 ± 3
CD52 + SNA1	12 ± 17	5 ± 12	14 ± 27	9 ± 13	8 ± 12
CD52 + STAT3	8 ± 22	0 ± 0	0 ± 0	0 ± 1	1 ± 2
CD52 + TIA1	5 ± 6	2 ± 4	4 ± 7	2 ± 4	2 ± 4
CD52 + Vimentin	14 ± 22	9 ± 22	12 ± 23	12 ± 22	13 ± 21

Tabelle 622: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	12 ± 26	3 ± 10	6 ± 12	14 ± 34	3 ± 10
CD54 + BCL2	53 ± 110	7 ± 19	14 ± 22	9 ± 19	19 ± 30
CD54 + CCR6	13 ± 24	8 ± 23	8 ± 23	12 ± 23	8 ± 23
CD54 + CD11a	126 ± 265	86 ± 257	144 ± 279	122 ± 254	92 ± 255
CD54 + CD11b	84 ± 218	74 ± 221	76 ± 220	77 ± 220	83 ± 219
CD54 + CD120a	14 ± 23	7 ± 20	16 ± 32	15 ± 28	9 ± 20
CD54 + CD120b	20 ± 29	5 ± 16	6 ± 15	7 ± 16	8 ± 16
CD54 + CD138	637 ± 1297	169 ± 500	252 ± 526	185 ± 495	199 ± 493
CD54 + CD15	6 ± 10	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD54 + CD1a	36 ± 84	29 ± 84	34 ± 84	29 ± 84	29 ± 84
CD54 + CD2	93 ± 184	58 ± 173	130 ± 252	60 ± 172	61 ± 172
CD54 + CD207	15 ± 24	7 ± 22	17 ± 30	9 ± 21	7 ± 21
CD54 + CD24	40 ± 92	31 ± 92	31 ± 92	34 ± 92	31 ± 92
CD54 + CD28	36 ± 56	17 ± 52	20 ± 51	28 ± 56	20 ± 51
CD54 + CD29	1012 ± 1733	354 ± 1043	478 ± 1053	435 ± 1032	452 ± 1025
CD54 + CD3	130 ± 236	77 ± 230	91 ± 227	107 ± 232	87 ± 228
CD54 + CD31	35 ± 49	11 ± 23	14 ± 23	95 ± 243	13 ± 23
CD54 + CD4	75 ± 179	60 ± 180	71 ± 177	77 ± 181	66 ± 179
CD54 + CD44	913 ± 1623	310 ± 908	432 ± 920	388 ± 896	374 ± 895
CD54 + CD45	80 ± 126	43 ± 128	103 ± 189	70 ± 133	48 ± 127
CD54 + CD45RA	47 ± 117	40 ± 119	42 ± 118	41 ± 118	40 ± 118
CD54 + CD45RO	60 ± 134	44 ± 133	69 ± 139	53 ± 131	50 ± 132
CD54 + CD52	8 ± 15	5 ± 16	6 ± 15	8 ± 16	5 ± 16
CD54 + CD56	2 ± 3	1 ± 2	2 ± 3	1 ± 2	3 ± 6
CD54 + CD58	398 ± 767	175 ± 510	190 ± 506	217 ± 510	273 ± 511
CD54 + CD62E	3 ± 8	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD54 + CD62P	4 ± 7	2 ± 6	3 ± 6	34 ± 96	2 ± 6
CD54 + CD68	116 ± 284	100 ± 289	124 ± 286	113 ± 286	108 ± 286
CD54 + CD7	99 ± 187	56 ± 168	126 ± 244	68 ± 166	60 ± 167
CD54 + CD8a	30 ± 60	21 ± 62	24 ± 61	23 ± 61	21 ± 62
CD54 + CK14	1062 ± 1822	428 ± 1249	570 ± 1254	504 ± 1232	599 ± 1235
CD54 + CLA	40 ± 71	24 ± 71	28 ± 70	30 ± 70	29 ± 70
CD54 + c-myc	271 ± 388	105 ± 301	114 ± 298	145 ± 301	134 ± 296
CD54 + Collagen IV	219 ± 339	94 ± 256	111 ± 251	178 ± 313	106 ± 253
CD54 + FXIIIA	12 ± 35	12 ± 35	12 ± 35	13 ± 35	12 ± 35
CD54 + HLA-DR	875 ± 1561	255 ± 741	284 ± 732	302 ± 730	296 ± 734
CD54 + IL-22R	52 ± 116	39 ± 116	40 ± 116	39 ± 116	42 ± 115
CD54 + IL-23R	24 ± 50	8 ± 22	9 ± 22	12 ± 24	12 ± 23
CD54 + Ki67	31 ± 76	25 ± 76	28 ± 76	26 ± 76	27 ± 76
CD54 + PI	257 ± 344	94 ± 267	115 ± 264	134 ± 273	130 ± 272
CD54 + Podoplanin	526 ± 1057	124 ± 369	124 ± 369	139 ± 366	133 ± 367
CD54 + SNA1	710 ± 1560	110 ± 299	152 ± 294	187 ± 334	121 ± 296
CD54 + STAT3	11 ± 28	0 ± 1	0 ± 1	2 ± 6	1 ± 2
CD54 + TIA1	10 ± 19	4 ± 12	6 ± 13	5 ± 12	5 ± 12
CD54 + Vimentin	348 ± 577	183 ± 537	237 ± 533	284 ± 568	227 ± 527

Tabelle 623: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	0 ± 0	133 ± 399	43 ± 128	0 ± 0	2 ± 5
CD56 + BCL2	3 ± 4	18 ± 46	9 ± 12	2 ± 3	3 ± 4
CD56 + CCR6	1 ± 1	31 ± 86	23 ± 66	1 ± 1	1 ± 2
CD56 + CD11a	3 ± 9	0 ± 0	4 ± 8	1 ± 3	2 ± 4
CD56 + CD11b	2 ± 2	1 ± 1	1 ± 2	1 ± 1	4 ± 10
CD56 + CD120a	0 ± 0	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD56 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD138	8 ± 13	162 ± 397	69 ± 174	6 ± 9	19 ± 38
CD56 + CD15	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	4 ± 9	0 ± 0	5 ± 15	1 ± 3	1 ± 2
CD56 + CD207	0 ± 0	0 ± 1	0 ± 1	0 ± 0	0 ± 0
CD56 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD28	0 ± 0	0 ± 0	0 ± 1	2 ± 5	0 ± 0
CD56 + CD29	21 ± 21	194 ± 377	92 ± 165	15 ± 16	32 ± 36
CD56 + CD3	0 ± 0	0 ± 0	2 ± 4	4 ± 11	2 ± 6
CD56 + CD31	0 ± 0	4 ± 12	38 ± 114	0 ± 0	0 ± 0
CD56 + CD4	2 ± 4	1 ± 4	4 ± 6	3 ± 5	3 ± 6
CD56 + CD44	8 ± 12	6 ± 9	17 ± 25	9 ± 15	8 ± 9
CD56 + CD45	0 ± 1	0 ± 0	1 ± 3	0 ± 1	1 ± 4
CD56 + CD45RA	3 ± 7	0 ± 1	4 ± 8	0 ± 1	0 ± 1
CD56 + CD45RO	0 ± 0	0 ± 1	1 ± 3	0 ± 1	3 ± 5
CD56 + CD52	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD56 + CD54	2 ± 3	1 ± 2	2 ± 3	1 ± 2	3 ± 6
CD56 + CD58	4 ± 9	10 ± 22	12 ± 32	8 ± 22	9 ± 15
CD56 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	5 ± 12	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	6 ± 8	21 ± 33	11 ± 16	3 ± 5	6 ± 7
CD56 + CD7	5 ± 11	0 ± 0	4 ± 12	4 ± 12	1 ± 2
CD56 + CD8a	0 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD56 + CK14	32 ± 34	216 ± 406	108 ± 164	31 ± 37	57 ± 51
CD56 + CLA	3 ± 8	0 ± 0	1 ± 1	0 ± 0	0 ± 1
CD56 + c-myc	27 ± 34	162 ± 396	95 ± 172	27 ± 45	36 ± 41
CD56 + Collagen IV	22 ± 30	43 ± 59	33 ± 36	27 ± 42	29 ± 31
CD56 + FXIIIA	1 ± 2	3 ± 8	17 ± 50	0 ± 1	2 ± 3
CD56 + HLA-DR	7 ± 12	25 ± 45	14 ± 21	6 ± 9	9 ± 13
CD56 + IL-22R	1 ± 2	1 ± 2	1 ± 2	3 ± 6	1 ± 2
CD56 + IL-23R	0 ± 0	1 ± 2	0 ± 0	0 ± 1	0 ± 0
CD56 + Ki67	0 ± 0	1 ± 3	0 ± 1	0 ± 0	1 ± 3
CD56 + PI	8 ± 10	93 ± 182	51 ± 104	8 ± 11	16 ± 22
CD56 + Podoplanin	2 ± 4	156 ± 312	46 ± 134	2 ± 5	2 ± 3
CD56 + SNA1	21 ± 25	33 ± 43	30 ± 46	15 ± 24	21 ± 26
CD56 + STAT3	0 ± 1	156 ± 400	60 ± 178	2 ± 3	4 ± 9
CD56 + TIA1	3 ± 7	7 ± 22	15 ± 41	0 ± 0	0 ± 1
CD56 + Vimentin	15 ± 20	44 ± 87	24 ± 27	10 ± 13	15 ± 11

Tabelle 624: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	3 ± 7	14 ± 36	14 ± 34	4 ± 8	2 ± 6
CD58 + BCL2	571 ± 1322	72 ± 96	138 ± 217	76 ± 99	163 ± 150
CD58 + CCR6	31 ± 58	15 ± 25	33 ± 47	22 ± 37	29 ± 35
CD58 + CD11a	160 ± 320	63 ± 181	78 ± 179	94 ± 192	85 ± 182
CD58 + CD11b	35 ± 99	33 ± 99	33 ± 99	34 ± 99	52 ± 100
CD58 + CD120a	16 ± 21	18 ± 26	25 ± 43	21 ± 25	22 ± 20
CD58 + CD120b	16 ± 36	3 ± 10	5 ± 10	6 ± 11	9 ± 13
CD58 + CD138	4176 ± 8892	879 ± 1390	1476 ± 2082	1301 ± 1865	2067 ± 2982
CD58 + CD15	5 ± 7	2 ± 2	1 ± 2	1 ± 2	2 ± 2
CD58 + CD1a	75 ± 81	54 ± 74	135 ± 303	47 ± 52	255 ± 391
CD58 + CD2	155 ± 292	55 ± 157	81 ± 162	65 ± 155	99 ± 164
CD58 + CD207	43 ± 22	31 ± 26	52 ± 72	53 ± 50	127 ± 172
CD58 + CD24	10 ± 25	8 ± 25	9 ± 25	12 ± 26	19 ± 31
CD58 + CD28	53 ± 115	15 ± 43	17 ± 42	23 ± 46	26 ± 49
CD58 + CD29	4082 ± 7938	1152 ± 2443	1272 ± 2436	1617 ± 2806	2548 ± 3367
CD58 + CD3	180 ± 364	65 ± 189	76 ± 187	116 ± 228	167 ± 270
CD58 + CD31	10 ± 16	10 ± 16	22 ± 41	27 ± 46	8 ± 17
CD58 + CD4	52 ± 114	37 ± 111	41 ± 110	50 ± 112	50 ± 111
CD58 + CD44	4224 ± 8204	1326 ± 2758	1805 ± 2973	1905 ± 3180	2878 ± 3883
CD58 + CD45	67 ± 114	27 ± 77	49 ± 89	57 ± 109	49 ± 88
CD58 + CD45RA	45 ± 88	24 ± 72	26 ± 71	29 ± 71	28 ± 71
CD58 + CD45RO	48 ± 94	26 ± 78	31 ± 77	36 ± 79	79 ± 132
CD58 + CD52	9 ± 15	5 ± 14	5 ± 14	9 ± 17	7 ± 14
CD58 + CD54	398 ± 767	175 ± 510	190 ± 506	217 ± 510	273 ± 511
CD58 + CD56	4 ± 9	10 ± 22	12 ± 32	8 ± 22	9 ± 15
CD58 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD58 + CD62P	1 ± 3	1 ± 3	1 ± 3	7 ± 19	1 ± 3
CD58 + CD68	107 ± 228	102 ± 229	112 ± 229	100 ± 230	113 ± 225
CD58 + CD7	119 ± 246	41 ± 121	83 ± 156	84 ± 164	74 ± 130
CD58 + CD8a	88 ± 164	39 ± 115	46 ± 114	52 ± 117	84 ± 137
CD58 + CK14	5657 ± 10014	1995 ± 4331	2673 ± 4548	3114 ± 5303	4715 ± 6264
CD58 + CLA	66 ± 106	40 ± 104	47 ± 102	46 ± 102	91 ± 128
CD58 + c-myc	1361 ± 2169	540 ± 937	524 ± 941	858 ± 1289	1005 ± 1126
CD58 + Collagen IV	761 ± 1610	223 ± 616	246 ± 613	436 ± 837	346 ± 650
CD58 + FXIIIA	4 ± 10	4 ± 10	10 ± 21	4 ± 10	4 ± 10
CD58 + HLA-DR	2492 ± 5158	719 ± 1688	697 ± 1687	786 ± 1686	1455 ± 2215
CD58 + IL-22R	570 ± 675	383 ± 607	382 ± 606	414 ± 593	447 ± 576
CD58 + IL-23R	196 ± 280	181 ± 320	76 ± 133	100 ± 129	105 ± 128
CD58 + Ki67	240 ± 469	74 ± 161	94 ± 163	69 ± 163	78 ± 159
CD58 + PI	1347 ± 2353	501 ± 1096	629 ± 1106	918 ± 1619	1617 ± 2464
CD58 + Podoplanin	2607 ± 6131	405 ± 1182	426 ± 1176	1022 ± 2092	477 ± 1177
CD58 + SNA1	2298 ± 5997	268 ± 673	290 ± 671	398 ± 763	600 ± 914
CD58 + STAT3	432 ± 589	255 ± 325	169 ± 230	420 ± 757	203 ± 216
CD58 + TIA1	24 ± 53	9 ± 19	17 ± 28	7 ± 18	11 ± 19
CD58 + Vimentin	699 ± 1226	335 ± 868	390 ± 868	449 ± 902	629 ± 949

Tabelle 625: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	0 ± 0	0 ± 0	3 ± 10	0 ± 0	0 ± 0
CD62E + BCL2	7 ± 14	5 ± 12	6 ± 13	5 ± 13	5 ± 13
CD62E + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD11b	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	8 ± 16	9 ± 17	5 ± 13	5 ± 13	5 ± 13
CD62E + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD207	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD29	17 ± 36	7 ± 14	9 ± 17	5 ± 14	5 ± 14
CD62E + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD31	1 ± 4	0 ± 0	3 ± 9	0 ± 0	0 ± 0
CD62E + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD44	3 ± 7	4 ± 11	1 ± 1	0 ± 1	0 ± 1
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + CD45RO	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD62E + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD54	3 ± 8	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD62E + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD62P	3 ± 7	2 ± 7	3 ± 7	2 ± 7	2 ± 7
CD62E + CD68	1 ± 3	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	21 ± 48	9 ± 16	7 ± 14	5 ± 14	5 ± 14
CD62E + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	13 ± 38	5 ± 13	3 ± 7	1 ± 1	1 ± 1
CD62E + Collagen IV	3 ± 8	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD62E + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + HLA-DR	2 ± 3	2 ± 3	2 ± 4	1 ± 3	1 ± 3
CD62E + IL-22R	1 ± 1	3 ± 8	1 ± 1	0 ± 1	0 ± 1
CD62E + IL-23R	1 ± 1	4 ± 9	1 ± 1	1 ± 1	1 ± 1
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	13 ± 30	4 ± 11	5 ± 11	4 ± 11	4 ± 11
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	15 ± 44	1 ± 1	3 ± 8	1 ± 1	1 ± 1
CD62E + STAT3	3 ± 6	6 ± 12	2 ± 5	2 ± 5	2 ± 5
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + Vimentin	5 ± 16	0 ± 1	4 ± 11	0 ± 0	0 ± 0

Tabelle 626: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	1 ± 3	10 ± 26	2 ± 4	10 ± 27	1 ± 3
CD62P + BCL2	9 ± 22	8 ± 22	9 ± 22	8 ± 22	8 ± 22
CD62P + CCR6	0 ± 0	2 ± 5	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11a	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD11b	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD62P + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD120b	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	9 ± 23	17 ± 33	8 ± 23	12 ± 25	11 ± 24
CD62P + CD15	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	2 ± 6	0 ± 1	0 ± 1	0 ± 1	2 ± 7
CD62P + CD28	2 ± 5	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD62P + CD29	14 ± 27	20 ± 33	12 ± 27	33 ± 66	13 ± 27
CD62P + CD3	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD31	2 ± 6	3 ± 6	3 ± 7	34 ± 96	2 ± 6
CD62P + CD4	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD62P + CD44	2 ± 6	1 ± 1	0 ± 0	0 ± 0	3 ± 8
CD62P + CD45	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62P + CD45RO	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD52	2 ± 4	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD54	4 ± 7	2 ± 6	3 ± 6	34 ± 96	2 ± 6
CD62P + CD56	0 ± 0	5 ± 12	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	1 ± 3	1 ± 3	1 ± 3	7 ± 19	1 ± 3
CD62P + CD62E	3 ± 7	2 ± 7	3 ± 7	2 ± 7	2 ± 7
CD62P + CD68	3 ± 6	2 ± 5	3 ± 6	2 ± 6	2 ± 6
CD62P + CD7	2 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD8a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CK14	10 ± 27	19 ± 35	9 ± 27	9 ± 27	13 ± 28
CD62P + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	3 ± 6	11 ± 27	2 ± 6	2 ± 6	2 ± 6
CD62P + Collagen IV	2 ± 6	2 ± 6	2 ± 6	17 ± 45	2 ± 6
CD62P + FXIIIA	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
CD62P + HLA-DR	4 ± 8	3 ± 6	3 ± 6	4 ± 7	2 ± 6
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	2 ± 6	3 ± 6	2 ± 6	2 ± 6	2 ± 6
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	9 ± 20	10 ± 21	7 ± 19	21 ± 45	10 ± 21
CD62P + Podoplanin	0 ± 0	5 ± 15	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	5 ± 9	3 ± 6	3 ± 6	18 ± 47	4 ± 6
CD62P + STAT3	4 ± 10	12 ± 28	3 ± 9	3 ± 9	3 ± 9
CD62P + TIA1	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	3 ± 6	4 ± 7	3 ± 6	34 ± 96	2 ± 5

Tabelle 627: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	4 ± 10	27 ± 71	8 ± 12	3 ± 10	4 ± 10
CD68 + BCL2	441 ± 359	359 ± 363	463 ± 324	358 ± 367	433 ± 384
CD68 + CCR6	32 ± 46	24 ± 36	24 ± 36	35 ± 41	22 ± 35
CD68 + CD11a	67 ± 147	65 ± 147	90 ± 143	73 ± 144	69 ± 145
CD68 + CD11b	61 ± 147	59 ± 148	61 ± 147	65 ± 146	64 ± 146
CD68 + CD120a	17 ± 22	18 ± 20	22 ± 26	20 ± 24	21 ± 30
CD68 + CD120b	6 ± 12	4 ± 12	6 ± 12	4 ± 12	5 ± 12
CD68 + CD138	232 ± 183	279 ± 196	237 ± 148	238 ± 280	234 ± 214
CD68 + CD15	13 ± 25	9 ± 24	9 ± 24	11 ± 24	13 ± 24
CD68 + CD1a	19 ± 29	21 ± 33	20 ± 29	21 ± 32	31 ± 46
CD68 + CD2	93 ± 162	86 ± 165	143 ± 182	93 ± 162	101 ± 158
CD68 + CD207	31 ± 31	38 ± 43	27 ± 19	27 ± 22	34 ± 42
CD68 + CD24	5 ± 14	5 ± 14	5 ± 14	7 ± 15	6 ± 14
CD68 + CD28	17 ± 39	16 ± 39	18 ± 39	17 ± 39	16 ± 39
CD68 + CD29	1071 ± 1093	1187 ± 1029	1132 ± 1046	1136 ± 1149	1101 ± 1157
CD68 + CD3	72 ± 144	66 ± 146	80 ± 142	77 ± 142	69 ± 145
CD68 + CD31	16 ± 24	14 ± 25	18 ± 24	15 ± 24	16 ± 25
CD68 + CD4	55 ± 134	54 ± 134	60 ± 132	57 ± 133	58 ± 133
CD68 + CD44	384 ± 437	400 ± 446	436 ± 415	418 ± 435	505 ± 603
CD68 + CD45	41 ± 82	33 ± 84	59 ± 88	37 ± 83	42 ± 83
CD68 + CD45RA	36 ± 83	35 ± 83	36 ± 83	37 ± 82	36 ± 83
CD68 + CD45RO	39 ± 107	37 ± 108	59 ± 107	42 ± 106	45 ± 106
CD68 + CD52	9 ± 21	10 ± 21	9 ± 21	10 ± 21	11 ± 21
CD68 + CD54	116 ± 284	100 ± 289	124 ± 286	113 ± 286	108 ± 286
CD68 + CD56	6 ± 8	21 ± 33	11 ± 16	3 ± 5	6 ± 7
CD68 + CD58	107 ± 228	102 ± 229	112 ± 229	100 ± 230	113 ± 225
CD68 + CD62E	1 ± 3	0 ± 0	2 ± 7	0 ± 0	0 ± 0
CD68 + CD62P	3 ± 6	2 ± 5	3 ± 6	2 ± 6	2 ± 6
CD68 + CD7	42 ± 98	39 ± 99	78 ± 118	49 ± 96	45 ± 98
CD68 + CD8a	37 ± 69	36 ± 70	40 ± 69	37 ± 70	43 ± 70
CD68 + CK14	1517 ± 1503	1815 ± 1328	1594 ± 1444	1708 ± 1599	1671 ± 1589
CD68 + CLA	58 ± 69	43 ± 72	54 ± 68	60 ± 66	50 ± 68
CD68 + c-myc	475 ± 500	531 ± 509	490 ± 504	415 ± 525	457 ± 515
CD68 + Collagen IV	346 ± 537	470 ± 478	422 ± 508	388 ± 515	421 ± 523
CD68 + FXIIIA	10 ± 24	11 ± 23	11 ± 23	10 ± 24	25 ± 44
CD68 + HLA-DR	306 ± 357	424 ± 334	290 ± 362	276 ± 368	269 ± 373
CD68 + IL-22R	69 ± 115	72 ± 113	67 ± 116	70 ± 115	75 ± 113
CD68 + IL-23R	27 ± 47	49 ± 75	28 ± 46	35 ± 46	27 ± 46
CD68 + Ki67	37 ± 50	43 ± 47	41 ± 49	69 ± 85	48 ± 56
CD68 + PI	786 ± 792	915 ± 724	808 ± 765	793 ± 819	859 ± 858
CD68 + Podoplanin	50 ± 74	88 ± 138	38 ± 74	29 ± 75	29 ± 75
CD68 + SNA1	375 ± 401	452 ± 374	385 ± 384	353 ± 406	372 ± 419
CD68 + STAT3	10 ± 12	57 ± 126	34 ± 81	11 ± 11	19 ± 32
CD68 + TIA1	15 ± 27	15 ± 27	18 ± 26	14 ± 28	16 ± 27
CD68 + Vimentin	1037 ± 794	1074 ± 725	1037 ± 742	1044 ± 889	1024 ± 925

Tabelle 628: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + BCL2	28 ± 51	7 ± 9	71 ± 93	48 ± 82	17 ± 18
CD7 + CCR6	18 ± 24	8 ± 20	16 ± 23	24 ± 29	16 ± 24
CD7 + CD11a	111 ± 189	56 ± 147	214 ± 266	140 ± 212	73 ± 145
CD7 + CD11b	21 ± 52	18 ± 53	18 ± 53	22 ± 52	19 ± 52
CD7 + CD120a	1 ± 2	0 ± 1	3 ± 8	2 ± 3	1 ± 1
CD7 + CD120b	19 ± 28	6 ± 19	17 ± 25	16 ± 25	13 ± 22
CD7 + CD138	103 ± 224	22 ± 60	180 ± 253	89 ± 124	37 ± 60
CD7 + CD15	3 ± 6	0 ± 1	0 ± 1	1 ± 1	1 ± 1
CD7 + CD1a	9 ± 18	6 ± 18	16 ± 32	17 ± 32	7 ± 17
CD7 + CD2	110 ± 168	51 ± 121	226 ± 307	90 ± 119	82 ± 119
CD7 + CD207	4 ± 9	3 ± 9	14 ± 24	19 ± 44	4 ± 9
CD7 + CD24	5 ± 12	1 ± 4	4 ± 7	2 ± 4	2 ± 4
CD7 + CD28	44 ± 75	17 ± 47	47 ± 66	26 ± 46	26 ± 50
CD7 + CD29	205 ± 359	79 ± 226	338 ± 422	239 ± 333	114 ± 221
CD7 + CD3	133 ± 217	68 ± 183	218 ± 261	187 ± 277	118 ± 196
CD7 + CD31	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD7 + CD4	49 ± 94	31 ± 85	61 ± 89	44 ± 85	37 ± 84
CD7 + CD44	200 ± 340	72 ± 195	348 ± 432	314 ± 446	113 ± 193
CD7 + CD45	59 ± 81	27 ± 72	174 ± 240	71 ± 94	47 ± 73
CD7 + CD45RA	53 ± 88	30 ± 77	55 ± 91	37 ± 75	31 ± 76
CD7 + CD45RO	41 ± 78	24 ± 72	103 ± 124	65 ± 91	45 ± 77
CD7 + CD52	11 ± 16	6 ± 16	17 ± 36	10 ± 17	8 ± 16
CD7 + CD54	99 ± 187	56 ± 168	126 ± 244	68 ± 166	60 ± 167
CD7 + CD56	5 ± 11	0 ± 0	4 ± 12	4 ± 12	1 ± 2
CD7 + CD58	119 ± 246	41 ± 121	83 ± 156	84 ± 164	74 ± 130
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD62P	2 ± 5	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD68	42 ± 98	39 ± 99	78 ± 118	49 ± 96	45 ± 98
CD7 + CD8a	57 ± 84	32 ± 81	95 ± 106	60 ± 82	66 ± 92
CD7 + CK14	234 ± 351	98 ± 242	494 ± 609	419 ± 573	155 ± 240
CD7 + CLA	48 ± 65	28 ± 65	64 ± 77	84 ± 121	42 ± 66
CD7 + c-myc	89 ± 147	23 ± 62	91 ± 108	81 ± 115	41 ± 66
CD7 + Collagen IV	73 ± 152	19 ± 52	98 ± 142	74 ± 112	26 ± 52
CD7 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD7 + HLA-DR	174 ± 294	62 ± 172	178 ± 229	178 ± 296	89 ± 173
CD7 + IL-22R	10 ± 19	6 ± 17	9 ± 18	9 ± 17	7 ± 17
CD7 + IL-23R	2 ± 4	1 ± 2	1 ± 2	4 ± 8	1 ± 2
CD7 + Ki67	11 ± 21	7 ± 21	19 ± 24	16 ± 26	8 ± 20
CD7 + PI	113 ± 150	46 ± 103	246 ± 303	187 ± 259	87 ± 126
CD7 + Podoplanin	79 ± 185	10 ± 29	18 ± 33	73 ± 176	11 ± 29
CD7 + SNA1	162 ± 360	19 ± 51	166 ± 223	75 ± 93	40 ± 61
CD7 + STAT3	4 ± 6	1 ± 3	1 ± 2	7 ± 18	2 ± 3
CD7 + TIA1	32 ± 55	11 ± 25	32 ± 38	18 ± 26	15 ± 25
CD7 + Vimentin	138 ± 213	67 ± 181	212 ± 249	160 ± 219	103 ± 176

Tabelle 629: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + BCL2	25 ± 33	15 ± 28	31 ± 34	14 ± 28	28 ± 35
CD8a + CCR6	12 ± 23	5 ± 14	9 ± 14	8 ± 14	13 ± 22
CD8a + CD11a	88 ± 110	53 ± 102	119 ± 117	75 ± 98	67 ± 99
CD8a + CD11b	9 ± 26	9 ± 26	9 ± 26	9 ± 26	10 ± 26
CD8a + CD120a	0 ± 1	0 ± 0	1 ± 2	0 ± 0	0 ± 1
CD8a + CD120b	5 ± 9	1 ± 4	2 ± 4	2 ± 4	2 ± 4
CD8a + CD138	75 ± 130	21 ± 48	57 ± 69	28 ± 47	43 ± 58
CD8a + CD15	2 ± 6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD1a	3 ± 6	2 ± 6	5 ± 10	4 ± 7	5 ± 8
CD8a + CD2	119 ± 131	64 ± 119	130 ± 120	81 ± 113	108 ± 118
CD8a + CD207	3 ± 5	3 ± 5	3 ± 5	6 ± 10	3 ± 5
CD8a + CD24	4 ± 10	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD8a + CD28	22 ± 32	5 ± 12	17 ± 31	7 ± 12	9 ± 14
CD8a + CD29	164 ± 215	81 ± 188	131 ± 183	105 ± 182	138 ± 186
CD8a + CD3	99 ± 131	54 ± 115	124 ± 139	82 ± 120	104 ± 151
CD8a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD4	9 ± 23	9 ± 23	17 ± 29	10 ± 23	10 ± 23
CD8a + CD44	136 ± 186	62 ± 145	141 ± 158	109 ± 156	122 ± 158
CD8a + CD45	49 ± 49	20 ± 41	76 ± 96	38 ± 47	41 ± 51
CD8a + CD45RA	36 ± 64	33 ± 66	38 ± 64	34 ± 65	37 ± 65
CD8a + CD45RO	21 ± 33	9 ± 27	32 ± 58	18 ± 29	30 ± 45
CD8a + CD52	12 ± 15	6 ± 15	17 ± 33	8 ± 14	9 ± 15
CD8a + CD54	30 ± 60	21 ± 62	24 ± 61	23 ± 61	21 ± 62
CD8a + CD56	0 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD8a + CD58	88 ± 164	39 ± 115	46 ± 114	52 ± 117	84 ± 137
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD68	37 ± 69	36 ± 70	40 ± 69	37 ± 70	43 ± 70
CD8a + CD7	57 ± 84	32 ± 81	95 ± 106	60 ± 82	66 ± 92
CD8a + CK14	241 ± 304	150 ± 309	259 ± 292	213 ± 304	242 ± 309
CD8a + CLA	59 ± 90	50 ± 93	82 ± 97	61 ± 89	79 ± 100
CD8a + c-myc	81 ± 119	52 ± 122	87 ± 122	72 ± 126	81 ± 126
CD8a + Collagen IV	58 ± 93	38 ± 89	66 ± 90	52 ± 90	55 ± 89
CD8a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD8a + HLA-DR	111 ± 166	56 ± 138	98 ± 143	71 ± 135	92 ± 151
CD8a + IL-22R	12 ± 20	7 ± 17	8 ± 17	9 ± 17	8 ± 17
CD8a + IL-23R	2 ± 5	1 ± 1	1 ± 1	1 ± 1	1 ± 2
CD8a + Ki67	5 ± 6	2 ± 4	5 ± 6	3 ± 4	4 ± 5
CD8a + PI	140 ± 156	79 ± 161	153 ± 157	104 ± 153	143 ± 183
CD8a + Podoplanin	65 ± 105	20 ± 60	21 ± 60	33 ± 68	21 ± 60
CD8a + SNA1	92 ± 146	31 ± 62	75 ± 75	44 ± 60	61 ± 73
CD8a + STAT3	5 ± 9	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + TIA1	29 ± 40	19 ± 40	31 ± 38	22 ± 39	24 ± 39
CD8a + Vimentin	101 ± 169	64 ± 167	101 ± 163	78 ± 163	105 ± 163

Tabelle 630: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	4 ± 10	609 ± 1810	70 ± 192	3 ± 10	6 ± 13
CK14 + BCL2	2389 ± 2482	849 ± 665	2571 ± 2690	1025 ± 816	1362 ± 581
CK14 + CCR6	119 ± 163	118 ± 201	131 ± 145	152 ± 165	249 ± 299
CK14 + CD11a	262 ± 361	148 ± 287	395 ± 377	316 ± 373	179 ± 276
CK14 + CD11b	140 ± 262	115 ± 270	133 ± 263	136 ± 265	166 ± 261
CK14 + CD120a	70 ± 30	89 ± 78	95 ± 62	106 ± 68	109 ± 119
CK14 + CD120b	30 ± 45	11 ± 28	24 ± 34	19 ± 29	17 ± 28
CK14 + CD138	15898 ± 16667	5942 ± 4310	13815 ± 13287	7662 ± 5224	9769 ± 7555
CK14 + CD15	33 ± 48	16 ± 26	15 ± 27	32 ± 43	22 ± 31
CK14 + CD1a	181 ± 136	108 ± 142	210 ± 405	130 ± 113	451 ± 653
CK14 + CD2	376 ± 392	176 ± 300	493 ± 496	264 ± 278	303 ± 260
CK14 + CD207	215 ± 105	171 ± 105	276 ± 173	254 ± 168	422 ± 443
CK14 + CD24	77 ± 186	66 ± 189	70 ± 188	74 ± 187	124 ± 211
CK14 + CD28	76 ± 121	31 ± 66	72 ± 96	43 ± 62	44 ± 69
CK14 + CD29	15643 ± 13847	8041 ± 7837	11883 ± 8943	10466 ± 9097	12087 ± 8368
CK14 + CD3	348 ± 480	170 ± 383	464 ± 564	365 ± 517	344 ± 467
CK14 + CD31	11 ± 15	15 ± 22	68 ± 167	24 ± 32	10 ± 13
CK14 + CD4	110 ± 210	91 ± 212	139 ± 203	115 ± 209	107 ± 207
CK14 + CD44	13441 ± 13561	5860 ± 7024	13263 ± 12190	10552 ± 9227	11104 ± 8963
CK14 + CD45	135 ± 129	48 ± 94	269 ± 326	129 ± 149	84 ± 102
CK14 + CD45RA	128 ± 203	95 ± 204	134 ± 200	109 ± 199	102 ± 201
CK14 + CD45RO	76 ± 130	37 ± 105	173 ± 222	117 ± 162	149 ± 199
CK14 + CD52	25 ± 25	9 ± 16	21 ± 35	17 ± 19	15 ± 15
CK14 + CD54	1062 ± 1822	428 ± 1249	570 ± 1254	504 ± 1232	599 ± 1235
CK14 + CD56	32 ± 34	216 ± 406	108 ± 164	31 ± 37	57 ± 51
CK14 + CD58	5657 ± 10014	1995 ± 4331	2673 ± 4548	3114 ± 5303	4715 ± 6264
CK14 + CD62E	21 ± 48	9 ± 16	7 ± 14	5 ± 14	5 ± 14
CK14 + CD62P	10 ± 27	19 ± 35	9 ± 27	9 ± 27	13 ± 28
CK14 + CD68	1517 ± 1503	1815 ± 1328	1594 ± 1444	1708 ± 1599	1671 ± 1589
CK14 + CD7	234 ± 351	98 ± 242	494 ± 609	419 ± 573	155 ± 240
CK14 + CD8a	241 ± 304	150 ± 309	259 ± 292	213 ± 304	242 ± 309
CK14 + CLA	357 ± 293	185 ± 295	327 ± 291	325 ± 281	317 ± 278
CK14 + c-myc	8001 ± 5450	5895 ± 6000	6060 ± 4503	6590 ± 6028	7232 ± 5578
CK14 + Collagen IV	3490 ± 3844	2841 ± 3417	3778 ± 3237	4489 ± 4169	3652 ± 3175
CK14 + FXIIIA	21 ± 30	17 ± 28	35 ± 53	17 ± 28	53 ± 90
CK14 + HLA-DR	7361 ± 9275	3617 ± 4336	4453 ± 5110	3708 ± 4449	4550 ± 4884
CK14 + IL-22R	2176 ± 1434	1576 ± 1712	1971 ± 1793	1708 ± 1629	1835 ± 1511
CK14 + IL-23R	641 ± 915	771 ± 1555	225 ± 519	350 ± 514	452 ± 698
CK14 + Ki67	1572 ± 987	827 ± 884	2056 ± 2171	1384 ± 1084	1337 ± 1275
CK14 + PI	11948 ± 5246	7949 ± 4104	12441 ± 7397	10243 ± 4308	12877 ± 5945
CK14 + Podoplanin	5337 ± 8872	1514 ± 2857	1429 ± 2837	2814 ± 5690	1093 ± 2856
CK14 + SNA1	8148 ± 11399	3049 ± 2254	5025 ± 3436	4041 ± 2741	4288 ± 2263
CK14 + STAT3	1765 ± 2317	1756 ± 2876	872 ± 1487	1004 ± 1390	1064 ± 1077
CK14 + TIA1	50 ± 65	33 ± 49	68 ± 66	33 ± 42	30 ± 39
CK14 + Vimentin	4155 ± 3136	2713 ± 2584	3573 ± 2600	3598 ± 2451	3656 ± 2622

Tabelle 631: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + BCL2	25 ± 25	16 ± 26	39 ± 46	41 ± 59	41 ± 47
CLA + CCR6	17 ± 26	8 ± 21	13 ± 22	17 ± 22	16 ± 23
CLA + CD11a	57 ± 84	48 ± 88	74 ± 82	79 ± 102	54 ± 86
CLA + CD11b	19 ± 33	12 ± 32	12 ± 32	17 ± 31	14 ± 32
CLA + CD120a	14 ± 17	4 ± 8	13 ± 21	6 ± 8	5 ± 8
CLA + CD120b	4 ± 7	2 ± 5	3 ± 5	5 ± 7	3 ± 6
CLA + CD138	123 ± 111	36 ± 70	100 ± 102	63 ± 67	70 ± 81
CLA + CD15	8 ± 14	2 ± 4	2 ± 4	4 ± 6	2 ± 4
CLA + CD1a	32 ± 37	6 ± 10	12 ± 16	14 ± 22	29 ± 44
CLA + CD2	79 ± 79	55 ± 87	99 ± 89	77 ± 77	82 ± 78
CLA + CD207	47 ± 42	10 ± 17	37 ± 53	23 ± 30	29 ± 38
CLA + CD24	1 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 6
CLA + CD28	14 ± 26	10 ± 25	13 ± 25	11 ± 25	13 ± 25
CLA + CD29	192 ± 174	88 ± 172	170 ± 185	161 ± 174	157 ± 172
CLA + CD3	74 ± 93	49 ± 95	85 ± 97	85 ± 100	78 ± 102
CLA + CD31	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CLA + CD4	24 ± 47	21 ± 47	24 ± 46	23 ± 47	24 ± 46
CLA + CD44	184 ± 185	96 ± 195	181 ± 198	198 ± 216	172 ± 207
CLA + CD45	30 ± 35	21 ± 38	46 ± 42	37 ± 45	26 ± 37
CLA + CD45RA	40 ± 61	31 ± 64	39 ± 61	38 ± 61	38 ± 62
CLA + CD45RO	16 ± 31	11 ± 31	25 ± 34	29 ± 41	22 ± 34
CLA + CD52	6 ± 13	5 ± 13	6 ± 13	6 ± 13	6 ± 12
CLA + CD54	40 ± 71	24 ± 71	28 ± 70	30 ± 70	29 ± 70
CLA + CD56	3 ± 8	0 ± 0	1 ± 1	0 ± 0	0 ± 1
CLA + CD58	66 ± 106	40 ± 104	47 ± 102	46 ± 102	91 ± 128
CLA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	58 ± 69	43 ± 72	54 ± 68	60 ± 66	50 ± 68
CLA + CD7	48 ± 65	28 ± 65	64 ± 77	84 ± 121	42 ± 66
CLA + CD8a	59 ± 90	50 ± 93	82 ± 97	61 ± 89	79 ± 100
CLA + CK14	357 ± 293	185 ± 295	327 ± 291	325 ± 281	317 ± 278
CLA + c-myc	105 ± 109	36 ± 65	56 ± 67	62 ± 69	66 ± 72
CLA + Collagen IV	58 ± 72	25 ± 45	37 ± 42	57 ± 71	36 ± 42
CLA + FXIIIA	2 ± 4	1 ± 4	1 ± 4	1 ± 4	4 ± 7
CLA + HLA-DR	206 ± 179	92 ± 179	160 ± 199	152 ± 197	145 ± 182
CLA + IL-22R	30 ± 28	22 ± 32	25 ± 31	24 ± 31	24 ± 31
CLA + IL-23R	6 ± 8	2 ± 5	3 ± 5	4 ± 7	5 ± 7
CLA + Ki67	9 ± 14	7 ± 15	11 ± 15	15 ± 18	12 ± 14
CLA + PI	143 ± 123	76 ± 118	138 ± 116	148 ± 141	157 ± 152
CLA + Podoplanin	46 ± 65	19 ± 55	21 ± 55	28 ± 57	22 ± 55
CLA + SNA1	115 ± 136	30 ± 55	68 ± 88	65 ± 59	71 ± 77
CLA + STAT3	16 ± 26	3 ± 8	5 ± 9	4 ± 8	5 ± 8
CLA + TIA1	18 ± 21	10 ± 20	12 ± 19	14 ± 19	15 ± 20
CLA + Vimentin	191 ± 196	90 ± 188	178 ± 201	155 ± 195	168 ± 187

Tabelle 632: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	6 ± 11	633 ± 1886	74 ± 199	4 ± 11	5 ± 11
c-myc + BCL2	811 ± 929	312 ± 333	447 ± 329	384 ± 388	483 ± 293
c-myc + CCR6	37 ± 46	84 ± 211	64 ± 145	24 ± 28	104 ± 133
c-myc + CD11a	129 ± 246	42 ± 99	110 ± 146	122 ± 168	55 ± 100
c-myc + CD11b	145 ± 323	115 ± 331	126 ± 327	142 ± 330	163 ± 327
c-myc + CD120a	19 ± 14	18 ± 13	15 ± 11	29 ± 43	26 ± 21
c-myc + CD120b	33 ± 53	8 ± 23	15 ± 26	10 ± 22	17 ± 26
c-myc + CD138	2077 ± 2496	2009 ± 3934	1173 ± 791	801 ± 522	934 ± 425
c-myc + CD15	32 ± 42	11 ± 18	9 ± 18	30 ± 55	12 ± 17
c-myc + CD1a	44 ± 52	30 ± 38	23 ± 35	33 ± 48	59 ± 77
c-myc + CD2	93 ± 127	39 ± 77	82 ± 83	55 ± 75	61 ± 74
c-myc + CD207	39 ± 35	52 ± 80	34 ± 25	43 ± 40	58 ± 64
c-myc + CD24	20 ± 30	9 ± 23	10 ± 23	16 ± 29	12 ± 23
c-myc + CD28	31 ± 51	6 ± 14	19 ± 31	14 ± 18	16 ± 26
c-myc + CD29	4297 ± 4268	2520 ± 3369	2820 ± 3078	2691 ± 3489	3089 ± 3337
c-myc + CD3	89 ± 131	27 ± 61	91 ± 128	79 ± 117	106 ± 170
c-myc + CD31	25 ± 45	19 ± 34	76 ± 176	17 ± 29	11 ± 29
c-myc + CD4	77 ± 163	60 ± 164	82 ± 161	82 ± 164	74 ± 162
c-myc + CD44	2368 ± 2549	1469 ± 1611	1560 ± 1363	1751 ± 1817	1844 ± 1482
c-myc + CD45	49 ± 51	12 ± 31	69 ± 119	53 ± 94	20 ± 36
c-myc + CD45RA	62 ± 107	36 ± 98	49 ± 96	47 ± 97	42 ± 97
c-myc + CD45RO	34 ± 64	12 ± 35	50 ± 85	25 ± 40	49 ± 77
c-myc + CD52	12 ± 20	2 ± 3	12 ± 29	7 ± 10	4 ± 6
c-myc + CD54	271 ± 388	105 ± 301	114 ± 298	145 ± 301	134 ± 296
c-myc + CD56	27 ± 34	162 ± 396	95 ± 172	27 ± 45	36 ± 41
c-myc + CD58	1361 ± 2169	540 ± 937	524 ± 941	858 ± 1289	1005 ± 1126
c-myc + CD62E	13 ± 38	5 ± 13	3 ± 7	1 ± 1	1 ± 1
c-myc + CD62P	3 ± 6	11 ± 27	2 ± 6	2 ± 6	2 ± 6
c-myc + CD68	475 ± 500	531 ± 509	490 ± 504	415 ± 525	457 ± 515
c-myc + CD7	89 ± 147	23 ± 62	91 ± 108	81 ± 115	41 ± 66
c-myc + CD8a	81 ± 119	52 ± 122	87 ± 122	72 ± 126	81 ± 126
c-myc + CK14	8001 ± 5450	5895 ± 6000	6060 ± 4503	6590 ± 6028	7232 ± 5578
c-myc + CLA	105 ± 109	36 ± 65	56 ± 67	62 ± 69	66 ± 72
c-myc + Collagen IV	4337 ± 5616	2980 ± 4890	3825 ± 4690	4624 ± 5443	3785 ± 4742
c-myc + FXIIIA	36 ± 73	31 ± 73	49 ± 85	31 ± 73	37 ± 73
c-myc + HLA-DR	1812 ± 2235	978 ± 1488	966 ± 1464	918 ± 1471	1064 ± 1480
c-myc + IL-22R	438 ± 268	321 ± 280	262 ± 294	329 ± 306	349 ± 263
c-myc + IL-23R	395 ± 523	256 ± 335	132 ± 266	196 ± 265	252 ± 363
c-myc + Ki67	213 ± 430	52 ± 94	65 ± 95	52 ± 95	56 ± 88
c-myc + PI	1429 ± 1351	1303 ± 2176	965 ± 760	891 ± 993	953 ± 720
c-myc + Podoplanin	954 ± 1577	518 ± 997	336 ± 596	628 ± 1367	214 ± 512
c-myc + SNA1	5778 ± 5131	2636 ± 2747	3987 ± 2895	3614 ± 3298	3682 ± 2803
c-myc + STAT3	610 ± 627	1295 ± 2990	533 ± 1007	347 ± 347	451 ± 392
c-myc + TIA1	31 ± 60	22 ± 43	43 ± 68	16 ± 30	12 ± 28
c-myc + Vimentin	1400 ± 1407	941 ± 1437	992 ± 1355	1058 ± 1426	1120 ± 1392

Tabelle 633: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	13 ± 27	55 ± 152	8 ± 14	13 ± 27	4 ± 13
Collagen IV + BCL2	219 ± 234	144 ± 155	239 ± 170	235 ± 270	212 ± 133
Collagen IV + CCR6	9 ± 14	6 ± 11	7 ± 7	14 ± 20	10 ± 15
Collagen IV + CD11a	116 ± 246	34 ± 85	102 ± 131	97 ± 137	44 ± 84
Collagen IV + CD11b	116 ± 281	99 ± 285	110 ± 280	115 ± 281	115 ± 281
Collagen IV + CD120a	10 ± 17	5 ± 8	5 ± 7	17 ± 36	17 ± 23
Collagen IV + CD120b	33 ± 66	8 ± 23	14 ± 24	10 ± 22	12 ± 24
Collagen IV + CD138	605 ± 1414	229 ± 300	387 ± 417	242 ± 301	209 ± 238
Collagen IV + CD15	26 ± 43	7 ± 16	8 ± 15	24 ± 44	9 ± 16
Collagen IV + CD1a	8 ± 16	6 ± 11	9 ± 21	3 ± 7	5 ± 8
Collagen IV + CD2	63 ± 104	27 ± 50	78 ± 85	40 ± 48	44 ± 47
Collagen IV + CD207	3 ± 5	1 ± 2	6 ± 9	7 ± 10	4 ± 10
Collagen IV + CD24	13 ± 23	7 ± 21	9 ± 21	14 ± 23	8 ± 21
Collagen IV + CD28	30 ± 59	5 ± 10	17 ± 28	11 ± 12	11 ± 18
Collagen IV + CD29	2199 ± 3105	1321 ± 2196	1747 ± 2124	1898 ± 2314	1608 ± 2129
Collagen IV + CD3	73 ± 127	23 ± 53	78 ± 100	63 ± 81	58 ± 106
Collagen IV + CD31	39 ± 45	18 ± 33	22 ± 31	96 ± 187	20 ± 32
Collagen IV + CD4	69 ± 131	49 ± 126	72 ± 122	63 ± 124	59 ± 125
Collagen IV + CD44	1068 ± 1776	472 ± 841	841 ± 858	878 ± 1067	731 ± 892
Collagen IV + CD45	36 ± 53	11 ± 28	66 ± 105	36 ± 51	18 ± 29
Collagen IV + CD45RA	52 ± 89	28 ± 74	38 ± 73	39 ± 72	31 ± 73
Collagen IV + CD45RO	31 ± 66	10 ± 29	48 ± 82	20 ± 32	27 ± 52
Collagen IV + CD52	4 ± 6	2 ± 4	10 ± 24	6 ± 8	3 ± 4
Collagen IV + CD54	219 ± 339	94 ± 256	111 ± 251	178 ± 313	106 ± 253
Collagen IV + CD56	22 ± 30	43 ± 59	33 ± 36	27 ± 42	29 ± 31
Collagen IV + CD58	761 ± 1610	223 ± 616	246 ± 613	436 ± 837	346 ± 650
Collagen IV + CD62E	3 ± 8	0 ± 1	1 ± 2	0 ± 1	0 ± 1
Collagen IV + CD62P	2 ± 6	2 ± 6	2 ± 6	17 ± 45	2 ± 6
Collagen IV + CD68	346 ± 537	470 ± 478	422 ± 508	388 ± 515	421 ± 523
Collagen IV + CD7	73 ± 152	19 ± 52	98 ± 142	74 ± 112	26 ± 52
Collagen IV + CD8a	58 ± 93	38 ± 89	66 ± 90	52 ± 90	55 ± 89
Collagen IV + CK14	3490 ± 3844	2841 ± 3417	3778 ± 3237	4489 ± 4169	3652 ± 3175
Collagen IV + CLA	58 ± 72	25 ± 45	37 ± 42	57 ± 71	36 ± 42
Collagen IV + c-myc	4337 ± 5616	2980 ± 4890	3825 ± 4690	4624 ± 5443	3785 ± 4742
Collagen IV + FXIIIA	27 ± 67	26 ± 67	27 ± 67	30 ± 66	41 ± 75
Collagen IV + HLA-DR	1088 ± 1835	514 ± 1119	642 ± 1101	652 ± 1123	580 ± 1110
Collagen IV + IL-22R	47 ± 73	31 ± 63	34 ± 62	34 ± 62	33 ± 62
Collagen IV + IL-23R	13 ± 22	24 ± 53	8 ± 15	23 ± 49	8 ± 15
Collagen IV + Ki67	55 ± 98	20 ± 48	40 ± 55	37 ± 56	35 ± 51
Collagen IV + PI	491 ± 577	345 ± 377	495 ± 429	511 ± 540	481 ± 411
Collagen IV + Podoplanin	434 ± 922	131 ± 267	120 ± 268	355 ± 775	108 ± 271
Collagen IV + SNA1	3697 ± 4709	2271 ± 2379	3307 ± 2620	3243 ± 2966	2648 ± 2196
Collagen IV + STAT3	9 ± 26	90 ± 250	36 ± 107	41 ± 123	0 ± 1
Collagen IV + TIA1	27 ± 58	9 ± 19	19 ± 24	15 ± 21	8 ± 19
Collagen IV + Vimentin	768 ± 1023	592 ± 919	687 ± 887	849 ± 982	724 ± 919

Tabelle 634: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	2 ± 4	4 ± 8	19 ± 50	2 ± 4	3 ± 4
FXIIIA + BCL2	9 ± 25	9 ± 25	12 ± 24	9 ± 25	10 ± 24
FXIIIA + CCR6	1 ± 3	2 ± 7	10 ± 31	0 ± 1	0 ± 1
FXIIIA + CD11a	5 ± 14	5 ± 14	5 ± 14	5 ± 14	5 ± 14
FXIIIA + CD11b	10 ± 29	10 ± 29	11 ± 28	10 ± 29	12 ± 28
FXIIIA + CD120a	0 ± 1	0 ± 1	1 ± 1	1 ± 2	1 ± 1
FXIIIA + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD138	3 ± 6	5 ± 10	22 ± 55	3 ± 7	10 ± 20
FXIIIA + CD15	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	1 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 4
FXIIIA + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
FXIIIA + CD28	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
FXIIIA + CD29	28 ± 67	27 ± 67	46 ± 80	25 ± 67	31 ± 66
FXIIIA + CD3	3 ± 5	1 ± 3	1 ± 3	3 ± 6	2 ± 3
FXIIIA + CD31	4 ± 11	4 ± 11	21 ± 52	4 ± 11	4 ± 11
FXIIIA + CD4	7 ± 18	7 ± 18	7 ± 18	7 ± 18	7 ± 18
FXIIIA + CD44	10 ± 16	7 ± 16	9 ± 15	9 ± 16	27 ± 60
FXIIIA + CD45	2 ± 6	2 ± 6	3 ± 6	2 ± 6	2 ± 6
FXIIIA + CD45RA	4 ± 11	4 ± 11	5 ± 11	4 ± 11	4 ± 11
FXIIIA + CD45RO	3 ± 7	2 ± 7	3 ± 7	2 ± 7	3 ± 7
FXIIIA + CD52	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD54	12 ± 35	12 ± 35	12 ± 35	13 ± 35	12 ± 35
FXIIIA + CD56	1 ± 2	3 ± 8	17 ± 50	0 ± 1	2 ± 3
FXIIIA + CD58	4 ± 10	4 ± 10	10 ± 21	4 ± 10	4 ± 10
FXIIIA + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + CD62P	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
FXIIIA + CD68	10 ± 24	11 ± 23	11 ± 23	10 ± 24	25 ± 44
FXIIIA + CD7	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
FXIIIA + CD8a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + CK14	21 ± 30	17 ± 28	35 ± 53	17 ± 28	53 ± 90
FXIIIA + CLA	2 ± 4	1 ± 4	1 ± 4	1 ± 4	4 ± 7
FXIIIA + c-myc	36 ± 73	31 ± 73	49 ± 85	31 ± 73	37 ± 73
FXIIIA + Collagen IV	27 ± 67	26 ± 67	27 ± 67	30 ± 66	41 ± 75
FXIIIA + HLA-DR	16 ± 35	14 ± 36	15 ± 35	14 ± 36	15 ± 36
FXIIIA + IL-22R	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
FXIIIA + IL-23R	5 ± 15	5 ± 15	5 ± 15	5 ± 15	5 ± 15
FXIIIA + Ki67	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 3
FXIIIA + PI	6 ± 6	4 ± 5	16 ± 33	4 ± 5	23 ± 51
FXIIIA + Podoplanin	6 ± 14	8 ± 15	22 ± 51	7 ± 15	5 ± 14
FXIIIA + SNA1	32 ± 74	28 ± 75	31 ± 74	31 ± 74	50 ± 81
FXIIIA + STAT3	0 ± 1	3 ± 8	19 ± 56	0 ± 0	3 ± 6
FXIIIA + TIA1	0 ± 1	2 ± 4	9 ± 26	0 ± 0	0 ± 0
FXIIIA + Vimentin	20 ± 39	17 ± 38	19 ± 37	16 ± 38	36 ± 66

Tabelle 635: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	9 ± 22	41 ± 115	7 ± 12	3 ± 6	2 ± 6
HLA-DR + BCL2	520 ± 1005	125 ± 81	312 ± 460	144 ± 161	175 ± 126
HLA-DR + CCR6	60 ± 80	31 ± 40	35 ± 39	47 ± 48	51 ± 57
HLA-DR + CD11a	261 ± 438	117 ± 273	236 ± 297	227 ± 337	142 ± 269
HLA-DR + CD11b	150 ± 319	121 ± 327	134 ± 322	122 ± 326	144 ± 320
HLA-DR + CD120a	52 ± 29	58 ± 58	47 ± 18	55 ± 27	61 ± 59
HLA-DR + CD120b	51 ± 83	8 ± 25	18 ± 30	13 ± 25	14 ± 27
HLA-DR + CD138	4614 ± 7894	1320 ± 1472	1988 ± 2390	1319 ± 1604	1851 ± 2204
HLA-DR + CD15	27 ± 32	5 ± 9	5 ± 9	7 ± 9	8 ± 8
HLA-DR + CD1a	130 ± 98	81 ± 112	71 ± 72	80 ± 70	265 ± 356
HLA-DR + CD2	215 ± 326	91 ± 210	161 ± 209	114 ± 204	140 ± 206
HLA-DR + CD207	172 ± 71	131 ± 73	173 ± 147	149 ± 70	254 ± 207
HLA-DR + CD24	53 ± 95	30 ± 86	34 ± 85	34 ± 85	57 ± 100
HLA-DR + CD28	79 ± 128	25 ± 61	43 ± 63	38 ± 60	38 ± 66
HLA-DR + CD29	4895 ± 7607	1866 ± 2646	2265 ± 2955	1742 ± 2645	2371 ± 2864
HLA-DR + CD3	265 ± 418	106 ± 270	235 ± 336	174 ± 277	198 ± 314
HLA-DR + CD31	27 ± 43	7 ± 12	11 ± 11	10 ± 13	7 ± 12
HLA-DR + CD4	98 ± 179	69 ± 172	99 ± 166	86 ± 170	83 ± 170
HLA-DR + CD44	5455 ± 8511	2100 ± 3376	2947 ± 3641	2609 ± 3356	3089 ± 3795
HLA-DR + CD45	142 ± 158	51 ± 124	158 ± 195	107 ± 143	76 ± 128
HLA-DR + CD45RA	84 ± 137	51 ± 131	65 ± 130	56 ± 130	56 ± 130
HLA-DR + CD45RO	99 ± 186	46 ± 136	120 ± 171	88 ± 149	114 ± 190
HLA-DR + CD52	16 ± 23	9 ± 23	16 ± 29	14 ± 24	11 ± 22
HLA-DR + CD54	875 ± 1561	255 ± 741	284 ± 732	302 ± 730	296 ± 734
HLA-DR + CD56	7 ± 12	25 ± 45	14 ± 21	6 ± 9	9 ± 13
HLA-DR + CD58	2492 ± 5158	719 ± 1688	697 ± 1687	786 ± 1686	1455 ± 2215
HLA-DR + CD62E	2 ± 3	2 ± 3	2 ± 4	1 ± 3	1 ± 3
HLA-DR + CD62P	4 ± 8	3 ± 6	3 ± 6	4 ± 7	2 ± 6
HLA-DR + CD68	306 ± 357	424 ± 334	290 ± 362	276 ± 368	269 ± 373
HLA-DR + CD7	174 ± 294	62 ± 172	178 ± 229	178 ± 296	89 ± 173
HLA-DR + CD8a	111 ± 166	56 ± 138	98 ± 143	71 ± 135	92 ± 151
HLA-DR + CK14	7361 ± 9275	3617 ± 4336	4453 ± 5110	3708 ± 4449	4550 ± 4884
HLA-DR + CLA	206 ± 179	92 ± 179	160 ± 199	152 ± 197	145 ± 182
HLA-DR + c-myc	1812 ± 2235	978 ± 1488	966 ± 1464	918 ± 1471	1064 ± 1480
HLA-DR + Collagen IV	1088 ± 1835	514 ± 1119	642 ± 1101	652 ± 1123	580 ± 1110
HLA-DR + FXIIIA	16 ± 35	14 ± 36	15 ± 35	14 ± 36	15 ± 36
HLA-DR + IL-22R	616 ± 556	452 ± 549	441 ± 554	441 ± 553	477 ± 534
HLA-DR + IL-23R	161 ± 290	197 ± 439	38 ± 62	52 ± 62	58 ± 62
HLA-DR + Ki67	257 ± 378	147 ± 277	236 ± 342	176 ± 284	164 ± 275
HLA-DR + PI	1860 ± 1929	1124 ± 1186	1401 ± 1467	1172 ± 1242	1798 ± 1996
HLA-DR + Podoplanin	2516 ± 5270	528 ± 1287	508 ± 1293	590 ± 1302	493 ± 1298
HLA-DR + SNA1	3364 ± 7390	687 ± 1088	1001 ± 1266	718 ± 1042	923 ± 1219
HLA-DR + STAT3	343 ± 481	239 ± 303	97 ± 120	108 ± 101	124 ± 124
HLA-DR + TIA1	37 ± 77	8 ± 21	15 ± 21	9 ± 21	10 ± 21
HLA-DR + Vimentin	1435 ± 1548	964 ± 1274	1073 ± 1339	939 ± 1293	1033 ± 1304

Tabelle 636: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 1	2 ± 5	0 ± 1	0 ± 1	0 ± 1
IL-22R + BCL2	118 ± 148	87 ± 150	107 ± 146	81 ± 154	120 ± 167
IL-22R + CCR6	8 ± 9	6 ± 8	7 ± 8	10 ± 11	29 ± 61
IL-22R + CD11a	17 ± 26	13 ± 26	14 ± 26	14 ± 26	15 ± 26
IL-22R + CD11b	5 ± 14	5 ± 14	5 ± 14	5 ± 14	5 ± 14
IL-22R + CD120a	20 ± 12	27 ± 34	20 ± 14	24 ± 20	32 ± 38
IL-22R + CD120b	1 ± 3	1 ± 2	2 ± 3	1 ± 2	1 ± 2
IL-22R + CD138	1333 ± 710	786 ± 729	1107 ± 1015	878 ± 726	956 ± 640
IL-22R + CD15	2 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 2
IL-22R + CD1a	35 ± 34	27 ± 36	17 ± 14	38 ± 67	35 ± 32
IL-22R + CD2	14 ± 18	10 ± 19	12 ± 18	10 ± 19	13 ± 18
IL-22R + CD207	55 ± 48	53 ± 51	46 ± 50	66 ± 80	64 ± 60
IL-22R + CD24	7 ± 18	6 ± 18	6 ± 18	6 ± 18	7 ± 18
IL-22R + CD28	4 ± 5	2 ± 5	3 ± 5	3 ± 5	2 ± 5
IL-22R + CD29	1015 ± 981	821 ± 1058	865 ± 1049	807 ± 1061	888 ± 1006
IL-22R + CD3	17 ± 30	12 ± 29	16 ± 29	12 ± 29	13 ± 28
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	5 ± 12	5 ± 12	5 ± 12	6 ± 12	6 ± 12
IL-22R + CD44	1215 ± 953	943 ± 1046	1237 ± 1178	1020 ± 1009	1068 ± 959
IL-22R + CD45	8 ± 9	5 ± 10	7 ± 9	7 ± 9	7 ± 10
IL-22R + CD45RA	6 ± 13	5 ± 14	5 ± 13	5 ± 13	5 ± 14
IL-22R + CD45RO	4 ± 8	3 ± 8	5 ± 8	3 ± 8	4 ± 8
IL-22R + CD52	5 ± 14	0 ± 1	0 ± 1	0 ± 1	1 ± 1
IL-22R + CD54	52 ± 116	39 ± 116	40 ± 116	39 ± 116	42 ± 115
IL-22R + CD56	1 ± 2	1 ± 2	1 ± 2	3 ± 6	1 ± 2
IL-22R + CD58	570 ± 675	383 ± 607	382 ± 606	414 ± 593	447 ± 576
IL-22R + CD62E	1 ± 1	3 ± 8	1 ± 1	0 ± 1	0 ± 1
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	69 ± 115	72 ± 113	67 ± 116	70 ± 115	75 ± 113
IL-22R + CD7	10 ± 19	6 ± 17	9 ± 18	9 ± 17	7 ± 17
IL-22R + CD8a	12 ± 20	7 ± 17	8 ± 17	9 ± 17	8 ± 17
IL-22R + CK14	2176 ± 1434	1576 ± 1712	1971 ± 1793	1708 ± 1629	1835 ± 1511
IL-22R + CLA	30 ± 28	22 ± 32	25 ± 31	24 ± 31	24 ± 31
IL-22R + c-myc	438 ± 268	321 ± 280	262 ± 294	329 ± 306	349 ± 263
IL-22R + Collagen IV	47 ± 73	31 ± 63	34 ± 62	34 ± 62	33 ± 62
IL-22R + FXIIIA	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
IL-22R + HLA-DR	616 ± 556	452 ± 549	441 ± 554	441 ± 553	477 ± 534
IL-22R + IL-23R	173 ± 227	117 ± 150	56 ± 85	89 ± 115	70 ± 80
IL-22R + Ki67	67 ± 112	63 ± 114	78 ± 112	64 ± 113	70 ± 111
IL-22R + PI	470 ± 484	423 ± 513	481 ± 501	447 ± 495	543 ± 450
IL-22R + Podoplanin	266 ± 486	139 ± 397	150 ± 395	164 ± 395	139 ± 397
IL-22R + SNA1	197 ± 335	91 ± 119	94 ± 113	88 ± 113	92 ± 112
IL-22R + STAT3	447 ± 456	220 ± 235	167 ± 249	246 ± 266	265 ± 245
IL-22R + TIA1	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + Vimentin	176 ± 164	151 ± 179	156 ± 177	164 ± 175	163 ± 169

Tabelle 637: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-23R + BCL2	118 ± 158	90 ± 157	38 ± 36	37 ± 38	60 ± 54
IL-23R + CCR6	10 ± 19	9 ± 19	7 ± 19	13 ± 20	31 ± 50
IL-23R + CD11a	4 ± 7	2 ± 4	2 ± 4	3 ± 5	2 ± 4
IL-23R + CD11b	7 ± 17	6 ± 17	6 ± 17	7 ± 17	7 ± 17
IL-23R + CD120a	12 ± 15	34 ± 77	11 ± 14	18 ± 21	10 ± 12
IL-23R + CD120b	0 ± 1	0 ± 0	1 ± 2	0 ± 1	0 ± 0
IL-23R + CD138	554 ± 769	585 ± 1054	215 ± 498	300 ± 486	290 ± 489
IL-23R + CD15	4 ± 8	3 ± 8	3 ± 8	3 ± 8	4 ± 8
IL-23R + CD1a	36 ± 56	52 ± 97	21 ± 41	30 ± 46	30 ± 40
IL-23R + CD2	4 ± 8	3 ± 8	4 ± 8	5 ± 9	4 ± 8
IL-23R + CD207	28 ± 39	34 ± 49	16 ± 27	23 ± 35	21 ± 26
IL-23R + CD24	3 ± 7	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-23R + CD28	1 ± 2	0 ± 0	1 ± 2	0 ± 1	0 ± 0
IL-23R + CD29	163 ± 226	391 ± 828	98 ± 144	144 ± 158	124 ± 134
IL-23R + CD3	3 ± 6	1 ± 3	1 ± 3	5 ± 12	3 ± 6
IL-23R + CD31	3 ± 9	3 ± 9	3 ± 9	3 ± 9	3 ± 9
IL-23R + CD4	5 ± 12	4 ± 12	4 ± 12	6 ± 12	4 ± 12
IL-23R + CD44	282 ± 399	506 ± 1008	138 ± 307	204 ± 300	180 ± 295
IL-23R + CD45	5 ± 9	3 ± 7	5 ± 7	5 ± 8	5 ± 7
IL-23R + CD45RA	1 ± 2	1 ± 3	1 ± 3	1 ± 3	1 ± 2
IL-23R + CD45RO	6 ± 12	4 ± 11	7 ± 11	9 ± 19	9 ± 15
IL-23R + CD52	7 ± 20	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD54	24 ± 50	8 ± 22	9 ± 22	12 ± 24	12 ± 23
IL-23R + CD56	0 ± 0	1 ± 2	0 ± 0	0 ± 1	0 ± 0
IL-23R + CD58	196 ± 280	181 ± 320	76 ± 133	100 ± 129	105 ± 128
IL-23R + CD62E	1 ± 1	4 ± 9	1 ± 1	1 ± 1	1 ± 1
IL-23R + CD62P	2 ± 6	3 ± 6	2 ± 6	2 ± 6	2 ± 6
IL-23R + CD68	27 ± 47	49 ± 75	28 ± 46	35 ± 46	27 ± 46
IL-23R + CD7	2 ± 4	1 ± 2	1 ± 2	4 ± 8	1 ± 2
IL-23R + CD8a	2 ± 5	1 ± 1	1 ± 1	1 ± 1	1 ± 2
IL-23R + CK14	641 ± 915	771 ± 1555	225 ± 519	350 ± 514	452 ± 698
IL-23R + CLA	6 ± 8	2 ± 5	3 ± 5	4 ± 7	5 ± 7
IL-23R + c-myc	395 ± 523	256 ± 335	132 ± 266	196 ± 265	252 ± 363
IL-23R + Collagen IV	13 ± 22	24 ± 53	8 ± 15	23 ± 49	8 ± 15
IL-23R + FXIIIA	5 ± 15	5 ± 15	5 ± 15	5 ± 15	5 ± 15
IL-23R + HLA-DR	161 ± 290	197 ± 439	38 ± 62	52 ± 62	58 ± 62
IL-23R + IL-22R	173 ± 227	117 ± 150	56 ± 85	89 ± 115	70 ± 80
IL-23R + Ki67	19 ± 38	36 ± 97	5 ± 8	4 ± 8	5 ± 8
IL-23R + PI	106 ± 151	247 ± 614	41 ± 91	59 ± 99	80 ± 119
IL-23R + Podoplanin	40 ± 113	2 ± 6	3 ± 6	13 ± 34	3 ± 6
IL-23R + SNA1	83 ± 193	77 ± 179	19 ± 25	34 ± 48	28 ± 29
IL-23R + STAT3	454 ± 632	386 ± 683	134 ± 299	192 ± 293	295 ± 478
IL-23R + TIA1	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + Vimentin	64 ± 94	109 ± 194	50 ± 92	85 ± 118	65 ± 91

Tabelle 638: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	2 ± 6	0 ± 0	0 ± 0	0 ± 0
Ki67 + BCL2	361 ± 707	33 ± 42	630 ± 1137	82 ± 168	50 ± 46
Ki67 + CCR6	2 ± 3	1 ± 2	3 ± 4	5 ± 9	6 ± 14
Ki67 + CD11a	8 ± 16	6 ± 15	10 ± 15	8 ± 16	6 ± 15
Ki67 + CD11b	1 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
Ki67 + CD120a	2 ± 2	2 ± 3	4 ± 11	1 ± 2	3 ± 7
Ki67 + CD120b	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CD138	610 ± 740	236 ± 287	732 ± 855	298 ± 291	437 ± 536
Ki67 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD1a	3 ± 4	2 ± 4	10 ± 23	3 ± 4	5 ± 8
Ki67 + CD2	10 ± 14	6 ± 13	15 ± 18	8 ± 13	9 ± 13
Ki67 + CD207	7 ± 9	8 ± 8	16 ± 17	12 ± 14	15 ± 22
Ki67 + CD24	6 ± 15	5 ± 15	5 ± 15	6 ± 15	12 ± 23
Ki67 + CD28	2 ± 4	1 ± 3	2 ± 3	2 ± 4	1 ± 3
Ki67 + CD29	659 ± 865	278 ± 466	492 ± 522	347 ± 448	378 ± 451
Ki67 + CD3	15 ± 26	9 ± 23	18 ± 27	11 ± 23	11 ± 24
Ki67 + CD31	0 ± 1	0 ± 1	1 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	3 ± 7	2 ± 7	3 ± 7	2 ± 7	3 ± 7
Ki67 + CD44	491 ± 577	255 ± 363	695 ± 784	383 ± 392	489 ± 737
Ki67 + CD45	4 ± 6	2 ± 6	7 ± 10	3 ± 6	3 ± 6
Ki67 + CD45RA	6 ± 17	6 ± 17	7 ± 17	6 ± 17	6 ± 17
Ki67 + CD45RO	3 ± 7	2 ± 7	6 ± 8	4 ± 7	5 ± 9
Ki67 + CD52	1 ± 1	1 ± 1	1 ± 1	0 ± 1	1 ± 1
Ki67 + CD54	31 ± 76	25 ± 76	28 ± 76	26 ± 76	27 ± 76
Ki67 + CD56	0 ± 0	1 ± 3	0 ± 1	0 ± 0	1 ± 3
Ki67 + CD58	240 ± 469	74 ± 161	94 ± 163	69 ± 163	78 ± 159
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	37 ± 50	43 ± 47	41 ± 49	69 ± 85	48 ± 56
Ki67 + CD7	11 ± 21	7 ± 21	19 ± 24	16 ± 26	8 ± 20
Ki67 + CD8a	5 ± 6	2 ± 4	5 ± 6	3 ± 4	4 ± 5
Ki67 + CK14	1572 ± 987	827 ± 884	2056 ± 2171	1384 ± 1084	1337 ± 1275
Ki67 + CLA	9 ± 14	7 ± 15	11 ± 15	15 ± 18	12 ± 14
Ki67 + c-myc	213 ± 430	52 ± 94	65 ± 95	52 ± 95	56 ± 88
Ki67 + Collagen IV	55 ± 98	20 ± 48	40 ± 55	37 ± 56	35 ± 51
Ki67 + FXIIIA	0 ± 0	0 ± 0	0 ± 1	0 ± 0	1 ± 3
Ki67 + HLA-DR	257 ± 378	147 ± 277	236 ± 342	176 ± 284	164 ± 275
Ki67 + IL-22R	67 ± 112	63 ± 114	78 ± 112	64 ± 113	70 ± 111
Ki67 + IL-23R	19 ± 38	36 ± 97	5 ± 8	4 ± 8	5 ± 8
Ki67 + PI	1386 ± 884	720 ± 784	1842 ± 2035	1243 ± 1004	1194 ± 1177
Ki67 + Podoplanin	165 ± 351	25 ± 62	30 ± 65	25 ± 63	23 ± 63
Ki67 + SNA1	219 ± 516	23 ± 48	70 ± 86	35 ± 53	61 ± 79
Ki67 + STAT3	31 ± 42	33 ± 51	13 ± 31	13 ± 31	15 ± 30
Ki67 + TIA1	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + Vimentin	115 ± 108	74 ± 111	135 ± 145	139 ± 139	110 ± 144

Tabelle 639: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	6 ± 11	299 ± 889	41 ± 109	3 ± 6	5 ± 7
PI + BCL2	1732 ± 2019	544 ± 529	2033 ± 2401	616 ± 594	877 ± 513
PI + CCR6	41 ± 53	43 ± 79	55 ± 84	51 ± 59	92 ± 109
PI + CD11a	153 ± 199	80 ± 148	242 ± 255	153 ± 177	104 ± 142
PI + CD11b	39 ± 70	32 ± 72	39 ± 70	36 ± 70	44 ± 68
PI + CD120a	19 ± 10	26 ± 26	32 ± 33	24 ± 12	43 ± 70
PI + CD120b	25 ± 39	4 ± 11	14 ± 23	6 ± 11	7 ± 11
PI + CD138	4284 ± 3715	2133 ± 1616	4299 ± 4336	2202 ± 1259	3801 ± 3631
PI + CD15	9 ± 13	4 ± 8	3 ± 8	6 ± 8	6 ± 9
PI + CD1a	29 ± 29	20 ± 29	41 ± 86	25 ± 28	176 ± 280
PI + CD2	214 ± 213	102 ± 174	303 ± 304	142 ± 156	198 ± 163
PI + CD207	58 ± 49	51 ± 35	83 ± 57	73 ± 61	181 ± 230
PI + CD24	23 ± 50	6 ± 13	9 ± 16	7 ± 13	44 ± 104
PI + CD28	51 ± 75	15 ± 33	45 ± 70	23 ± 33	25 ± 40
PI + CD29	4788 ± 3828	2605 ± 2455	3914 ± 3264	3201 ± 2696	4370 ± 3163
PI + CD3	207 ± 253	87 ± 183	280 ± 377	169 ± 210	202 ± 281
PI + CD31	28 ± 46	11 ± 13	45 ± 104	34 ± 65	8 ± 11
PI + CD4	52 ± 96	38 ± 93	66 ± 97	45 ± 91	47 ± 91
PI + CD44	3583 ± 2522	1779 ± 1641	3801 ± 3199	2952 ± 1818	4080 ± 3602
PI + CD45	90 ± 77	27 ± 53	171 ± 245	68 ± 76	52 ± 61
PI + CD45RA	61 ± 84	41 ± 84	73 ± 97	50 ± 81	46 ± 82
PI + CD45RO	54 ± 91	27 ± 78	130 ± 164	64 ± 93	103 ± 145
PI + CD52	12 ± 12	5 ± 8	17 ± 35	9 ± 10	9 ± 8
PI + CD54	257 ± 344	94 ± 267	115 ± 264	134 ± 273	130 ± 272
PI + CD56	8 ± 10	93 ± 182	51 ± 104	8 ± 11	16 ± 22
PI + CD58	1347 ± 2353	501 ± 1096	629 ± 1106	918 ± 1619	1617 ± 2464
PI + CD62E	13 ± 30	4 ± 11	5 ± 11	4 ± 11	4 ± 11
PI + CD62P	9 ± 20	10 ± 21	7 ± 19	21 ± 45	10 ± 21
PI + CD68	786 ± 792	915 ± 724	808 ± 765	793 ± 819	859 ± 858
PI + CD7	113 ± 150	46 ± 103	246 ± 303	187 ± 259	87 ± 126
PI + CD8a	140 ± 156	79 ± 161	153 ± 157	104 ± 153	143 ± 183
PI + CK14	11948 ± 5246	7949 ± 4104	12441 ± 7397	10243 ± 4308	12877 ± 5945
PI + CLA	143 ± 123	76 ± 118	138 ± 116	148 ± 141	157 ± 152
PI + c-myc	1429 ± 1351	1303 ± 2176	965 ± 760	891 ± 993	953 ± 720
PI + Collagen IV	491 ± 577	345 ± 377	495 ± 429	511 ± 540	481 ± 411
PI + FXIIIA	6 ± 6	4 ± 5	16 ± 33	4 ± 5	23 ± 51
PI + HLA-DR	1860 ± 1929	1124 ± 1186	1401 ± 1467	1172 ± 1242	1798 ± 1996
PI + IL-22R	470 ± 484	423 ± 513	481 ± 501	447 ± 495	543 ± 450
PI + IL-23R	106 ± 151	247 ± 614	41 ± 91	59 ± 99	80 ± 119
PI + Ki67	1386 ± 884	720 ± 784	1842 ± 2035	1243 ± 1004	1194 ± 1177
PI + Podoplanin	1373 ± 1753	467 ± 714	406 ± 656	747 ± 1569	264 ± 632
PI + SNA1	1504 ± 2667	296 ± 297	674 ± 754	387 ± 369	688 ± 815
PI + STAT3	396 ± 716	678 ± 1325	324 ± 706	270 ± 509	197 ± 188
PI + TIA1	22 ± 24	14 ± 18	38 ± 43	14 ± 16	15 ± 16
PI + Vimentin	1703 ± 1066	1051 ± 719	1437 ± 849	1380 ± 725	1571 ± 913

Tabelle 640: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	3 ± 8	284 ± 840	56 ± 159	3 ± 8	3 ± 8
Podoplanin + BCL2	494 ± 1058	46 ± 93	45 ± 74	42 ± 68	17 ± 32
Podoplanin + CCR6	36 ± 62	81 ± 199	57 ± 148	16 ± 38	4 ± 6
Podoplanin + CD11a	87 ± 214	11 ± 33	18 ± 35	28 ± 55	12 ± 33
Podoplanin + CD11b	21 ± 34	12 ± 35	12 ± 35	13 ± 34	14 ± 34
Podoplanin + CD120a	9 ± 15	4 ± 12	6 ± 12	5 ± 12	4 ± 12
Podoplanin + CD120b	7 ± 17	1 ± 2	1 ± 2	3 ± 8	1 ± 2
Podoplanin + CD138	3580 ± 7982	734 ± 1281	687 ± 1117	942 ± 1824	425 ± 1065
Podoplanin + CD15	3 ± 7	1 ± 4	0 ± 0	1 ± 2	0 ± 0
Podoplanin + CD1a	26 ± 60	6 ± 18	6 ± 18	9 ± 19	7 ± 18
Podoplanin + CD2	95 ± 200	14 ± 42	21 ± 43	27 ± 52	14 ± 42
Podoplanin + CD207	9 ± 16	3 ± 4	4 ± 4	23 ± 61	2 ± 4
Podoplanin + CD24	43 ± 125	42 ± 125	42 ± 125	43 ± 125	44 ± 125
Podoplanin + CD28	29 ± 73	2 ± 6	4 ± 7	5 ± 11	2 ± 6
Podoplanin + CD29	4033 ± 7759	1028 ± 1827	954 ± 1807	1748 ± 3579	716 ± 1799
Podoplanin + CD3	116 ± 239	22 ± 67	36 ± 73	87 ± 191	26 ± 67
Podoplanin + CD31	0 ± 1	6 ± 17	47 ± 141	0 ± 1	0 ± 1
Podoplanin + CD4	22 ± 42	12 ± 33	12 ± 33	21 ± 39	13 ± 32
Podoplanin + CD44	4341 ± 8328	706 ± 2067	980 ± 2090	2099 ± 4282	784 ± 2051
Podoplanin + CD45	38 ± 70	4 ± 13	11 ± 21	19 ± 42	5 ± 13
Podoplanin + CD45RA	26 ± 51	10 ± 29	13 ± 30	10 ± 29	10 ± 29
Podoplanin + CD45RO	27 ± 53	9 ± 25	12 ± 26	15 ± 29	9 ± 25
Podoplanin + CD52	4 ± 8	1 ± 3	1 ± 3	3 ± 7	1 ± 3
Podoplanin + CD54	526 ± 1057	124 ± 369	124 ± 369	139 ± 366	133 ± 367
Podoplanin + CD56	2 ± 4	156 ± 312	46 ± 134	2 ± 5	2 ± 3
Podoplanin + CD58	2607 ± 6131	405 ± 1182	426 ± 1176	1022 ± 2092	477 ± 1177
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	5 ± 15	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	50 ± 74	88 ± 138	38 ± 74	29 ± 75	29 ± 75
Podoplanin + CD7	79 ± 185	10 ± 29	18 ± 33	73 ± 176	11 ± 29
Podoplanin + CD8a	65 ± 105	20 ± 60	21 ± 60	33 ± 68	21 ± 60
Podoplanin + CK14	5337 ± 8872	1514 ± 2857	1429 ± 2837	2814 ± 5690	1093 ± 2856
Podoplanin + CLA	46 ± 65	19 ± 55	21 ± 55	28 ± 57	22 ± 55
Podoplanin + c-myc	954 ± 1577	518 ± 997	336 ± 596	628 ± 1367	214 ± 512
Podoplanin + Collagen IV	434 ± 922	131 ± 267	120 ± 268	355 ± 775	108 ± 271
Podoplanin + FXIIIA	6 ± 14	8 ± 15	22 ± 51	7 ± 15	5 ± 14
Podoplanin + HLA-DR	2516 ± 5270	528 ± 1287	508 ± 1293	590 ± 1302	493 ± 1298
Podoplanin + IL-22R	266 ± 486	139 ± 397	150 ± 395	164 ± 395	139 ± 397
Podoplanin + IL-23R	40 ± 113	2 ± 6	3 ± 6	13 ± 34	3 ± 6
Podoplanin + Ki67	165 ± 351	25 ± 62	30 ± 65	25 ± 63	23 ± 63
Podoplanin + PI	1373 ± 1753	467 ± 714	406 ± 656	747 ± 1569	264 ± 632
Podoplanin + SNA1	2286 ± 6197	158 ± 317	156 ± 327	399 ± 879	147 ± 323
Podoplanin + STAT3	94 ± 261	340 ± 907	136 ± 408	167 ± 501	0 ± 0
Podoplanin + TIA1	18 ± 42	14 ± 34	26 ± 70	4 ± 7	3 ± 7
Podoplanin + Vimentin	578 ± 822	241 ± 437	198 ± 430	307 ± 577	166 ± 437

Tabelle 641: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	13 ± 27	35 ± 91	8 ± 16	13 ± 29	4 ± 13
SNA1 + BCL2	664 ± 1396	110 ± 93	319 ± 383	115 ± 90	153 ± 84
SNA1 + CCR6	45 ± 75	12 ± 18	16 ± 22	27 ± 27	37 ± 57
SNA1 + CD11a	201 ± 430	48 ± 117	171 ± 194	116 ± 153	67 ± 119
SNA1 + CD11b	135 ± 268	101 ± 275	126 ± 268	121 ± 271	116 ± 271
SNA1 + CD120a	26 ± 31	17 ± 18	17 ± 15	30 ± 30	26 ± 26
SNA1 + CD120b	54 ± 95	8 ± 24	22 ± 35	12 ± 24	15 ± 26
SNA1 + CD138	4025 ± 10297	411 ± 510	996 ± 1378	369 ± 522	769 ± 1085
SNA1 + CD15	38 ± 54	7 ± 12	9 ± 13	22 ± 35	11 ± 12
SNA1 + CD1a	32 ± 57	24 ± 46	25 ± 43	15 ± 22	100 ± 186
SNA1 + CD2	187 ± 384	44 ± 88	125 ± 128	70 ± 89	88 ± 88
SNA1 + CD207	23 ± 29	17 ± 25	30 ± 47	20 ± 19	53 ± 85
SNA1 + CD24	31 ± 57	11 ± 32	16 ± 32	20 ± 35	42 ± 84
SNA1 + CD28	68 ± 139	10 ± 23	30 ± 41	19 ± 24	21 ± 34
SNA1 + CD29	6011 ± 11429	1485 ± 1861	2580 ± 2528	1897 ± 2029	2278 ± 2167
SNA1 + CD3	204 ± 414	33 ± 82	147 ± 196	89 ± 130	106 ± 175
SNA1 + CD31	46 ± 60	18 ± 31	23 ± 29	86 ± 157	20 ± 31
SNA1 + CD4	84 ± 143	54 ± 128	97 ± 127	71 ± 126	65 ± 126
SNA1 + CD44	4296 ± 10060	721 ± 1160	1646 ± 1785	1132 ± 1392	1468 ± 1591
SNA1 + CD45	96 ± 139	22 ± 62	129 ± 176	55 ± 76	45 ± 72
SNA1 + CD45RA	70 ± 112	25 ± 55	41 ± 59	36 ± 53	27 ± 54
SNA1 + CD45RO	79 ± 165	23 ± 67	96 ± 136	49 ± 74	85 ± 149
SNA1 + CD52	12 ± 17	5 ± 12	14 ± 27	9 ± 13	8 ± 12
SNA1 + CD54	710 ± 1560	110 ± 299	152 ± 294	187 ± 334	121 ± 296
SNA1 + CD56	21 ± 25	33 ± 43	30 ± 46	15 ± 24	21 ± 26
SNA1 + CD58	2298 ± 5997	268 ± 673	290 ± 671	398 ± 763	600 ± 914
SNA1 + CD62E	15 ± 44	1 ± 1	3 ± 8	1 ± 1	1 ± 1
SNA1 + CD62P	5 ± 9	3 ± 6	3 ± 6	18 ± 47	4 ± 6
SNA1 + CD68	375 ± 401	452 ± 374	385 ± 384	353 ± 406	372 ± 419
SNA1 + CD7	162 ± 360	19 ± 51	166 ± 223	75 ± 93	40 ± 61
SNA1 + CD8a	92 ± 146	31 ± 62	75 ± 75	44 ± 60	61 ± 73
SNA1 + CK14	8148 ± 11399	3049 ± 2254	5025 ± 3436	4041 ± 2741	4288 ± 2263
SNA1 + CLA	115 ± 136	30 ± 55	68 ± 88	65 ± 59	71 ± 77
SNA1 + c-myc	5778 ± 5131	2636 ± 2747	3987 ± 2895	3614 ± 3298	3682 ± 2803
SNA1 + Collagen IV	3697 ± 4709	2271 ± 2379	3307 ± 2620	3243 ± 2966	2648 ± 2196
SNA1 + FXIIIA	32 ± 74	28 ± 75	31 ± 74	31 ± 74	50 ± 81
SNA1 + HLA-DR	3364 ± 7390	687 ± 1088	1001 ± 1266	718 ± 1042	923 ± 1219
SNA1 + IL-22R	197 ± 335	91 ± 119	94 ± 113	88 ± 113	92 ± 112
SNA1 + IL-23R	83 ± 193	77 ± 179	19 ± 25	34 ± 48	28 ± 29
SNA1 + Ki67	219 ± 516	23 ± 48	70 ± 86	35 ± 53	61 ± 79
SNA1 + PI	1504 ± 2667	296 ± 297	674 ± 754	387 ± 369	688 ± 815
SNA1 + Podoplanin	2286 ± 6197	158 ± 317	156 ± 327	399 ± 879	147 ± 323
SNA1 + STAT3	97 ± 187	88 ± 171	11 ± 23	33 ± 87	7 ± 6
SNA1 + TIA1	41 ± 102	5 ± 12	17 ± 21	12 ± 17	7 ± 12
SNA1 + Vimentin	1324 ± 1529	592 ± 721	845 ± 803	752 ± 734	750 ± 716

Tabelle 642: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	0 ± 0	614 ± 1843	67 ± 201	0 ± 0	2 ± 7
STAT3 + BCL2	142 ± 166	97 ± 77	62 ± 67	63 ± 66	123 ± 165
STAT3 + CCR6	9 ± 18	76 ± 206	56 ± 150	14 ± 25	49 ± 82
STAT3 + CD11a	6 ± 8	1 ± 3	1 ± 3	3 ± 5	3 ± 5
STAT3 + CD11b	3 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
STAT3 + CD120a	7 ± 10	11 ± 16	10 ± 16	8 ± 11	16 ± 27
STAT3 + CD120b	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD138	1576 ± 2059	1573 ± 2705	765 ± 1247	868 ± 1097	811 ± 644
STAT3 + CD15	3 ± 4	3 ± 5	1 ± 2	1 ± 2	1 ± 2
STAT3 + CD1a	58 ± 108	35 ± 55	20 ± 41	34 ± 53	47 ± 68
STAT3 + CD2	7 ± 9	3 ± 7	3 ± 7	4 ± 7	6 ± 10
STAT3 + CD207	47 ± 76	29 ± 26	26 ± 32	33 ± 40	43 ± 62
STAT3 + CD24	6 ± 12	1 ± 2	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD28	2 ± 3	0 ± 0	0 ± 0	0 ± 1	0 ± 0
STAT3 + CD29	458 ± 428	938 ± 1456	489 ± 866	416 ± 584	310 ± 350
STAT3 + CD3	8 ± 14	2 ± 4	1 ± 4	5 ± 11	2 ± 4
STAT3 + CD31	0 ± 0	8 ± 23	60 ± 180	0 ± 1	0 ± 0
STAT3 + CD4	1 ± 1	0 ± 1	0 ± 1	2 ± 5	2 ± 4
STAT3 + CD44	875 ± 1274	588 ± 769	278 ± 349	554 ± 698	472 ± 433
STAT3 + CD45	4 ± 6	1 ± 2	1 ± 2	2 ± 3	2 ± 4
STAT3 + CD45RA	3 ± 4	1 ± 3	5 ± 11	1 ± 3	1 ± 3
STAT3 + CD45RO	2 ± 4	0 ± 1	0 ± 0	2 ± 4	5 ± 12
STAT3 + CD52	8 ± 22	0 ± 0	0 ± 0	0 ± 1	1 ± 2
STAT3 + CD54	11 ± 28	0 ± 1	0 ± 1	2 ± 6	1 ± 2
STAT3 + CD56	0 ± 1	156 ± 400	60 ± 178	2 ± 3	4 ± 9
STAT3 + CD58	432 ± 589	255 ± 325	169 ± 230	420 ± 757	203 ± 216
STAT3 + CD62E	3 ± 6	6 ± 12	2 ± 5	2 ± 5	2 ± 5
STAT3 + CD62P	4 ± 10	12 ± 28	3 ± 9	3 ± 9	3 ± 9
STAT3 + CD68	10 ± 12	57 ± 126	34 ± 81	11 ± 11	19 ± 32
STAT3 + CD7	4 ± 6	1 ± 3	1 ± 2	7 ± 18	2 ± 3
STAT3 + CD8a	5 ± 9	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + CK14	1765 ± 2317	1756 ± 2876	872 ± 1487	1004 ± 1390	1064 ± 1077
STAT3 + CLA	16 ± 26	3 ± 8	5 ± 9	4 ± 8	5 ± 8
STAT3 + c-myc	610 ± 627	1295 ± 2990	533 ± 1007	347 ± 347	451 ± 392
STAT3 + Collagen IV	9 ± 26	90 ± 250	36 ± 107	41 ± 123	0 ± 1
STAT3 + FXIIIA	0 ± 1	3 ± 8	19 ± 56	0 ± 0	3 ± 6
STAT3 + HLA-DR	343 ± 481	239 ± 303	97 ± 120	108 ± 101	124 ± 124
STAT3 + IL-22R	447 ± 456	220 ± 235	167 ± 249	246 ± 266	265 ± 245
STAT3 + IL-23R	454 ± 632	386 ± 683	134 ± 299	192 ± 293	295 ± 478
STAT3 + Ki67	31 ± 42	33 ± 51	13 ± 31	13 ± 31	15 ± 30
STAT3 + PI	396 ± 716	678 ± 1325	324 ± 706	270 ± 509	197 ± 188
STAT3 + Podoplanin	94 ± 261	340 ± 907	136 ± 408	167 ± 501	0 ± 0
STAT3 + SNA1	97 ± 187	88 ± 171	11 ± 23	33 ± 87	7 ± 6
STAT3 + TIA1	1 ± 3	12 ± 36	23 ± 69	0 ± 0	1 ± 2
STAT3 + Vimentin	73 ± 114	151 ± 324	83 ± 195	73 ± 124	39 ± 40

Tabelle 643: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	0 ± 0	12 ± 35	15 ± 45	0 ± 0	0 ± 0
TIA1 + BCL2	12 ± 17	7 ± 14	13 ± 13	7 ± 14	11 ± 14
TIA1 + CCR6	6 ± 10	12 ± 32	20 ± 54	1 ± 2	2 ± 3
TIA1 + CD11a	29 ± 52	11 ± 22	24 ± 26	15 ± 21	12 ± 21
TIA1 + CD11b	13 ± 25	6 ± 17	6 ± 17	12 ± 22	7 ± 17
TIA1 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD120b	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + CD138	18 ± 34	15 ± 36	34 ± 66	5 ± 8	5 ± 7
TIA1 + CD15	9 ± 19	3 ± 8	3 ± 8	6 ± 12	3 ± 8
TIA1 + CD1a	0 ± 0	0 ± 0	1 ± 3	0 ± 0	0 ± 1
TIA1 + CD2	35 ± 43	15 ± 29	35 ± 37	19 ± 28	18 ± 28
TIA1 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD24	2 ± 4	1 ± 3	2 ± 3	4 ± 10	1 ± 3
TIA1 + CD28	3 ± 6	1 ± 2	3 ± 7	1 ± 3	1 ± 2
TIA1 + CD29	44 ± 79	25 ± 42	48 ± 65	20 ± 32	19 ± 31
TIA1 + CD3	27 ± 37	14 ± 28	23 ± 27	18 ± 28	18 ± 28
TIA1 + CD31	0 ± 0	1 ± 4	14 ± 41	0 ± 1	0 ± 0
TIA1 + CD4	2 ± 4	1 ± 4	4 ± 7	2 ± 4	2 ± 4
TIA1 + CD44	39 ± 78	8 ± 22	25 ± 30	15 ± 24	12 ± 23
TIA1 + CD45	10 ± 14	4 ± 10	15 ± 17	6 ± 10	5 ± 10
TIA1 + CD45RA	17 ± 28	8 ± 15	13 ± 14	10 ± 15	9 ± 15
TIA1 + CD45RO	6 ± 13	2 ± 7	6 ± 11	3 ± 7	3 ± 7
TIA1 + CD52	5 ± 6	2 ± 4	4 ± 7	2 ± 4	2 ± 4
TIA1 + CD54	10 ± 19	4 ± 12	6 ± 13	5 ± 12	5 ± 12
TIA1 + CD56	3 ± 7	7 ± 22	15 ± 41	0 ± 0	0 ± 1
TIA1 + CD58	24 ± 53	9 ± 19	17 ± 28	7 ± 18	11 ± 19
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD62P	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	15 ± 27	15 ± 27	18 ± 26	14 ± 28	16 ± 27
TIA1 + CD7	32 ± 55	11 ± 25	32 ± 38	18 ± 26	15 ± 25
TIA1 + CD8a	29 ± 40	19 ± 40	31 ± 38	22 ± 39	24 ± 39
TIA1 + CK14	50 ± 65	33 ± 49	68 ± 66	33 ± 42	30 ± 39
TIA1 + CLA	18 ± 21	10 ± 20	12 ± 19	14 ± 19	15 ± 20
TIA1 + c-myc	31 ± 60	22 ± 43	43 ± 68	16 ± 30	12 ± 28
TIA1 + Collagen IV	27 ± 58	9 ± 19	19 ± 24	15 ± 21	8 ± 19
TIA1 + FXIIIA	0 ± 1	2 ± 4	9 ± 26	0 ± 0	0 ± 0
TIA1 + HLA-DR	37 ± 77	8 ± 21	15 ± 21	9 ± 21	10 ± 21
TIA1 + IL-22R	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
TIA1 + IL-23R	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + Ki67	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + PI	22 ± 24	14 ± 18	38 ± 43	14 ± 16	15 ± 16
TIA1 + Podoplanin	18 ± 42	14 ± 34	26 ± 70	4 ± 7	3 ± 7
TIA1 + SNA1	41 ± 102	5 ± 12	17 ± 21	12 ± 17	7 ± 12
TIA1 + STAT3	1 ± 3	12 ± 36	23 ± 69	0 ± 0	1 ± 2
TIA1 + Vimentin	41 ± 64	20 ± 41	33 ± 39	21 ± 40	22 ± 40

Tabelle 644: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Responder identifizierten n=4 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	13 ± 26	79 ± 219	17 ± 26	16 ± 34	6 ± 11
Vimentin + BCL2	728 ± 434	318 ± 236	673 ± 539	464 ± 280	611 ± 319
Vimentin + CCR6	95 ± 139	45 ± 61	51 ± 52	108 ± 127	134 ± 190
Vimentin + CD11a	171 ± 285	101 ± 255	212 ± 260	162 ± 264	121 ± 250
Vimentin + CD11b	111 ± 264	95 ± 268	108 ± 263	100 ± 266	109 ± 263
Vimentin + CD120a	35 ± 28	36 ± 33	62 ± 83	41 ± 41	39 ± 37
Vimentin + CD120b	14 ± 21	6 ± 17	11 ± 17	9 ± 17	11 ± 19
Vimentin + CD138	1546 ± 1540	659 ± 669	1141 ± 967	749 ± 612	834 ± 746
Vimentin + CD15	24 ± 42	14 ± 35	14 ± 36	15 ± 35	22 ± 37
Vimentin + CD1a	69 ± 50	47 ± 60	70 ± 105	63 ± 70	176 ± 230
Vimentin + CD2	250 ± 332	130 ± 295	314 ± 356	169 ± 282	212 ± 277
Vimentin + CD207	102 ± 65	83 ± 58	128 ± 89	98 ± 74	185 ± 186
Vimentin + CD24	13 ± 34	11 ± 34	12 ± 34	12 ± 34	21 ± 37
Vimentin + CD28	48 ± 83	24 ± 65	38 ± 64	28 ± 64	32 ± 66
Vimentin + CD29	2683 ± 2126	1619 ± 1909	2115 ± 1934	2070 ± 1858	2159 ± 1920
Vimentin + CD3	205 ± 307	108 ± 279	210 ± 293	175 ± 278	190 ± 291
Vimentin + CD31	31 ± 46	11 ± 27	19 ± 28	92 ± 232	10 ± 27
Vimentin + CD4	85 ± 195	71 ± 196	92 ± 190	80 ± 194	81 ± 194
Vimentin + CD44	1746 ± 1599	1006 ± 1495	1642 ± 1543	1485 ± 1412	1628 ± 1605
Vimentin + CD45	98 ± 119	45 ± 116	154 ± 176	77 ± 119	72 ± 117
Vimentin + CD45RA	71 ± 128	48 ± 127	61 ± 125	52 ± 126	51 ± 126
Vimentin + CD45RO	78 ± 156	50 ± 150	145 ± 182	86 ± 153	123 ± 178
Vimentin + CD52	14 ± 22	9 ± 22	12 ± 23	12 ± 22	13 ± 21
Vimentin + CD54	348 ± 577	183 ± 537	237 ± 533	284 ± 568	227 ± 527
Vimentin + CD56	15 ± 20	44 ± 87	24 ± 27	10 ± 13	15 ± 11
Vimentin + CD58	699 ± 1226	335 ± 868	390 ± 868	449 ± 902	629 ± 949
Vimentin + CD62E	5 ± 16	0 ± 1	4 ± 11	0 ± 0	0 ± 0
Vimentin + CD62P	3 ± 6	4 ± 7	3 ± 6	34 ± 96	2 ± 5
Vimentin + CD68	1037 ± 794	1074 ± 725	1037 ± 742	1044 ± 889	1024 ± 925
Vimentin + CD7	138 ± 213	67 ± 181	212 ± 249	160 ± 219	103 ± 176
Vimentin + CD8a	101 ± 169	64 ± 167	101 ± 163	78 ± 163	105 ± 163
Vimentin + CK14	4155 ± 3136	2713 ± 2584	3573 ± 2600	3598 ± 2451	3656 ± 2622
Vimentin + CLA	191 ± 196	90 ± 188	178 ± 201	155 ± 195	168 ± 187
Vimentin + c-myc	1400 ± 1407	941 ± 1437	992 ± 1355	1058 ± 1426	1120 ± 1392
Vimentin + Collagen IV	768 ± 1023	592 ± 919	687 ± 887	849 ± 982	724 ± 919
Vimentin + FXIIIA	20 ± 39	17 ± 38	19 ± 37	16 ± 38	36 ± 66
Vimentin + HLA-DR	1435 ± 1548	964 ± 1274	1073 ± 1339	939 ± 1293	1033 ± 1304
Vimentin + IL-22R	176 ± 164	151 ± 179	156 ± 177	164 ± 175	163 ± 169
Vimentin + IL-23R	64 ± 94	109 ± 194	50 ± 92	85 ± 118	65 ± 91
Vimentin + Ki67	115 ± 108	74 ± 111	135 ± 145	139 ± 139	110 ± 144
Vimentin + PI	1703 ± 1066	1051 ± 719	1437 ± 849	1380 ± 725	1571 ± 913
Vimentin + Podoplanin	578 ± 822	241 ± 437	198 ± 430	307 ± 577	166 ± 437
Vimentin + SNA1	1324 ± 1529	592 ± 721	845 ± 803	752 ± 734	750 ± 716
Vimentin + STAT3	73 ± 114	151 ± 324	83 ± 195	73 ± 124	39 ± 40
Vimentin + TIA1	41 ± 64	20 ± 41	33 ± 39	21 ± 40	22 ± 40

1.1.15 Duale Koexpression der basalen Epidermis für die Non-Responder

Tabelle 645: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Aktin + CCR6	1 ± 3	1 ± 3	26 ± 65	1 ± 2	1 ± 3
Aktin + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD138	3 ± 5	2 ± 4	76 ± 196	2 ± 4	2 ± 4
Aktin + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD29	17 ± 17	10 ± 16	84 ± 192	10 ± 16	10 ± 16
Aktin + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD31	9 ± 13	4 ± 12	4 ± 12	5 ± 12	4 ± 12
Aktin + CD4	3 ± 5	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Aktin + CD44	2 ± 3	0 ± 1	1 ± 2	0 ± 1	0 ± 1
Aktin + CD45	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD45RA	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
Aktin + CD45RO	0 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
Aktin + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD54	11 ± 14	4 ± 11	4 ± 11	4 ± 11	4 ± 11
Aktin + CD56	2 ± 5	0 ± 1	68 ± 178	0 ± 1	0 ± 1
Aktin + CD58	6 ± 11	3 ± 7	3 ± 7	3 ± 7	3 ± 7
Aktin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD62P	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Aktin + CD68	6 ± 11	4 ± 11	5 ± 11	4 ± 11	4 ± 11
Aktin + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CK14	5 ± 11	4 ± 12	77 ± 192	5 ± 11	4 ± 12
Aktin + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + c-myc	9 ± 13	5 ± 12	81 ± 199	5 ± 12	5 ± 12
Aktin + Collagen IV	11 ± 16	5 ± 14	9 ± 16	6 ± 14	5 ± 14
Aktin + FXIIIA	3 ± 4	2 ± 4	17 ± 37	2 ± 4	2 ± 4
Aktin + HLA-DR	6 ± 8	3 ± 7	11 ± 21	3 ± 7	3 ± 7
Aktin + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + IL-23R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Aktin + Ki67	0 ± 0	0 ± 0	1 ± 1	0 ± 1	0 ± 0
Aktin + PI	6 ± 7	3 ± 6	57 ± 142	3 ± 6	3 ± 6
Aktin + Podoplanin	3 ± 9	3 ± 9	46 ± 112	4 ± 9	3 ± 9
Aktin + SNA1	13 ± 17	5 ± 14	7 ± 14	6 ± 14	5 ± 14
Aktin + STAT3	1 ± 3	0 ± 0	76 ± 201	0 ± 0	0 ± 0
Aktin + TIA1	0 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
Aktin + Vimentin	10 ± 12	6 ± 12	11 ± 16	7 ± 12	6 ± 12

Tabelle 646: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	2 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
BCL2 + CCR6	48 ± 101	28 ± 53	9 ± 12	35 ± 52	10 ± 12
BCL2 + CD11a	111 ± 199	20 ± 24	20 ± 25	37 ± 38	25 ± 24
BCL2 + CD11b	14 ± 18	11 ± 19	11 ± 19	11 ± 19	11 ± 19
BCL2 + CD120a	11 ± 13	21 ± 37	6 ± 11	7 ± 10	7 ± 11
BCL2 + CD120b	7 ± 15	3 ± 6	0 ± 1	4 ± 9	1 ± 1
BCL2 + CD138	796 ± 854	437 ± 443	237 ± 212	265 ± 192	235 ± 214
BCL2 + CD15	11 ± 27	30 ± 52	11 ± 27	18 ± 30	11 ± 27
BCL2 + CD1a	6 ± 8	39 ± 90	3 ± 3	3 ± 2	3 ± 3
BCL2 + CD2	138 ± 254	32 ± 45	33 ± 45	56 ± 55	40 ± 42
BCL2 + CD207	16 ± 24	90 ± 216	7 ± 10	8 ± 10	7 ± 10
BCL2 + CD24	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
BCL2 + CD28	47 ± 104	3 ± 4	3 ± 5	5 ± 6	3 ± 4
BCL2 + CD29	1641 ± 1654	734 ± 621	594 ± 567	654 ± 532	625 ± 542
BCL2 + CD3	82 ± 136	18 ± 30	18 ± 31	44 ± 59	24 ± 29
BCL2 + CD31	4 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
BCL2 + CD4	60 ± 124	7 ± 9	6 ± 10	23 ± 41	6 ± 10
BCL2 + CD44	740 ± 658	411 ± 343	323 ± 321	355 ± 301	301 ± 336
BCL2 + CD45	85 ± 184	7 ± 8	6 ± 9	21 ± 36	6 ± 9
BCL2 + CD45RA	40 ± 50	20 ± 25	20 ± 25	22 ± 23	21 ± 24
BCL2 + CD45RO	61 ± 138	3 ± 8	3 ± 8	8 ± 13	3 ± 8
BCL2 + CD52	12 ± 21	3 ± 4	3 ± 4	17 ± 36	3 ± 4
BCL2 + CD54	177 ± 438	9 ± 22	9 ± 22	39 ± 79	9 ± 22
BCL2 + CD56	8 ± 17	1 ± 2	1 ± 2	2 ± 4	1 ± 2
BCL2 + CD58	172 ± 214	279 ± 479	76 ± 106	116 ± 116	78 ± 105
BCL2 + CD62E	10 ± 16	6 ± 14	6 ± 14	6 ± 14	6 ± 14
BCL2 + CD62P	12 ± 25	11 ± 25	11 ± 25	11 ± 25	11 ± 25
BCL2 + CD68	564 ± 480	425 ± 402	403 ± 396	404 ± 403	435 ± 377
BCL2 + CD7	96 ± 199	10 ± 9	11 ± 8	27 ± 44	13 ± 7
BCL2 + CD8a	53 ± 63	19 ± 31	18 ± 31	25 ± 30	21 ± 30
BCL2 + CK14	2005 ± 1593	1300 ± 1064	900 ± 698	985 ± 619	940 ± 653
BCL2 + CLA	60 ± 88	24 ± 28	20 ± 29	30 ± 27	28 ± 30
BCL2 + c-myc	872 ± 756	620 ± 705	349 ± 370	431 ± 343	353 ± 367
BCL2 + Collagen IV	298 ± 187	179 ± 162	170 ± 167	209 ± 162	173 ± 166
BCL2 + FXIIIA	21 ± 35	11 ± 28	11 ± 28	11 ± 28	11 ± 28
BCL2 + HLA-DR	360 ± 386	113 ± 55	101 ± 70	157 ± 78	108 ± 63
BCL2 + IL-22R	116 ± 163	310 ± 496	105 ± 169	114 ± 165	108 ± 167
BCL2 + IL-23R	204 ± 345	59 ± 43	44 ± 40	87 ± 76	41 ± 42
BCL2 + Ki67	150 ± 195	104 ± 187	29 ± 43	31 ± 41	34 ± 40
BCL2 + PI	1336 ± 1261	857 ± 856	546 ± 564	595 ± 529	585 ± 534
BCL2 + Podoplanin	138 ± 314	17 ± 36	16 ± 36	63 ± 124	16 ± 36
BCL2 + SNA1	612 ± 802	130 ± 92	121 ± 100	148 ± 99	117 ± 103
BCL2 + STAT3	162 ± 165	339 ± 633	68 ± 65	75 ± 64	65 ± 68
BCL2 + TIA1	14 ± 16	12 ± 16	9 ± 16	12 ± 15	9 ± 15
BCL2 + Vimentin	934 ± 990	355 ± 243	362 ± 228	467 ± 256	345 ± 232

Tabelle 647: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	1 ± 3	1 ± 3	26 ± 65	1 ± 2	1 ± 3
CCR6 + BCL2	48 ± 101	28 ± 53	9 ± 12	35 ± 52	10 ± 12
CCR6 + CD11a	54 ± 104	15 ± 38	16 ± 37	31 ± 49	17 ± 37
CCR6 + CD11b	7 ± 13	5 ± 13	5 ± 13	5 ± 13	5 ± 13
CCR6 + CD120a	2 ± 3	2 ± 3	2 ± 3	5 ± 8	4 ± 6
CCR6 + CD120b	7 ± 14	2 ± 4	2 ± 4	5 ± 10	1 ± 4
CCR6 + CD138	62 ± 93	38 ± 52	64 ± 116	67 ± 82	23 ± 35
CCR6 + CD15	2 ± 5	2 ± 5	2 ± 5	5 ± 9	2 ± 5
CCR6 + CD1a	4 ± 7	7 ± 12	2 ± 3	6 ± 7	3 ± 4
CCR6 + CD2	58 ± 111	16 ± 39	17 ± 38	40 ± 59	18 ± 38
CCR6 + CD207	7 ± 15	6 ± 12	3 ± 6	14 ± 27	3 ± 5
CCR6 + CD24	0 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CCR6 + CD28	37 ± 74	9 ± 24	9 ± 24	14 ± 25	9 ± 24
CCR6 + CD29	96 ± 158	37 ± 45	66 ± 94	106 ± 152	34 ± 42
CCR6 + CD3	52 ± 96	17 ± 42	17 ± 41	53 ± 86	19 ± 41
CCR6 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD4	40 ± 77	12 ± 31	12 ± 31	25 ± 41	12 ± 30
CCR6 + CD44	85 ± 136	31 ± 42	38 ± 42	134 ± 184	35 ± 42
CCR6 + CD45	49 ± 99	12 ± 31	12 ± 31	35 ± 62	12 ± 31
CCR6 + CD45RA	7 ± 11	2 ± 4	3 ± 4	6 ± 8	3 ± 4
CCR6 + CD45RO	42 ± 79	12 ± 33	13 ± 32	22 ± 36	12 ± 33
CCR6 + CD52	18 ± 33	6 ± 15	6 ± 15	31 ± 65	6 ± 15
CCR6 + CD54	39 ± 78	10 ± 26	10 ± 26	33 ± 63	10 ± 26
CCR6 + CD56	1 ± 1	1 ± 1	28 ± 71	1 ± 2	1 ± 1
CCR6 + CD58	18 ± 24	27 ± 41	12 ± 24	62 ± 120	13 ± 24
CCR6 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CCR6 + CD68	44 ± 64	21 ± 42	26 ± 40	37 ± 46	30 ± 40
CCR6 + CD7	43 ± 86	10 ± 22	11 ± 22	35 ± 62	11 ± 22
CCR6 + CD8a	18 ± 32	6 ± 16	6 ± 16	12 ± 18	7 ± 15
CCR6 + CK14	106 ± 144	62 ± 66	94 ± 117	177 ± 230	58 ± 52
CCR6 + CLA	24 ± 40	10 ± 24	11 ± 24	19 ± 24	14 ± 23
CCR6 + c-myc	39 ± 53	34 ± 54	54 ± 102	62 ± 90	16 ± 24
CCR6 + Collagen IV	8 ± 8	4 ± 6	6 ± 6	20 ± 40	5 ± 6
CCR6 + FXIIIA	4 ± 9	0 ± 1	10 ± 25	2 ± 3	0 ± 1
CCR6 + HLA-DR	66 ± 118	21 ± 43	32 ± 44	91 ± 127	26 ± 41
CCR6 + IL-22R	11 ± 13	24 ± 43	6 ± 9	23 ± 38	13 ± 12
CCR6 + IL-23R	18 ± 25	11 ± 21	9 ± 22	31 ± 41	10 ± 21
CCR6 + Ki67	4 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CCR6 + PI	63 ± 121	23 ± 27	46 ± 75	52 ± 62	18 ± 18
CCR6 + Podoplanin	10 ± 15	4 ± 7	36 ± 84	75 ± 185	4 ± 7
CCR6 + SNA1	56 ± 99	11 ± 20	13 ± 19	39 ± 66	13 ± 19
CCR6 + STAT3	17 ± 25	30 ± 54	47 ± 103	21 ± 33	9 ± 19
CCR6 + TIA1	4 ± 6	2 ± 2	3 ± 3	4 ± 3	2 ± 2
CCR6 + Vimentin	100 ± 172	30 ± 51	44 ± 48	121 ± 161	39 ± 50

Tabelle 648: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + BCL2	111 ± 199	20 ± 24	20 ± 25	37 ± 38	25 ± 24
CD11a + CCR6	54 ± 104	15 ± 38	16 ± 37	31 ± 49	17 ± 37
CD11a + CD11b	119 ± 153	46 ± 117	46 ± 117	56 ± 116	46 ± 117
CD11a + CD120a	12 ± 13	4 ± 7	4 ± 7	20 ± 41	4 ± 6
CD11a + CD120b	28 ± 49	7 ± 17	7 ± 17	22 ± 41	9 ± 17
CD11a + CD138	403 ± 792	50 ± 108	51 ± 108	71 ± 104	51 ± 107
CD11a + CD15	6 ± 14	0 ± 0	0 ± 0	8 ± 19	0 ± 0
CD11a + CD1a	26 ± 42	12 ± 29	12 ± 29	15 ± 29	12 ± 29
CD11a + CD2	593 ± 1109	132 ± 236	135 ± 234	251 ± 334	148 ± 227
CD11a + CD207	36 ± 60	13 ± 23	14 ± 23	16 ± 22	13 ± 23
CD11a + CD24	6 ± 8	4 ± 8	4 ± 8	10 ± 15	4 ± 8
CD11a + CD28	443 ± 1038	36 ± 76	36 ± 76	62 ± 92	36 ± 76
CD11a + CD29	828 ± 1487	162 ± 351	165 ± 350	235 ± 358	180 ± 344
CD11a + CD3	571 ± 1029	137 ± 278	139 ± 277	313 ± 474	150 ± 272
CD11a + CD31	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD11a + CD4	520 ± 1114	72 ± 160	72 ± 160	290 ± 565	73 ± 159
CD11a + CD44	826 ± 1476	149 ± 298	154 ± 295	450 ± 761	154 ± 295
CD11a + CD45	680 ± 1396	77 ± 153	79 ± 152	292 ± 557	77 ± 153
CD11a + CD45RA	133 ± 197	54 ± 108	55 ± 107	157 ± 268	61 ± 104
CD11a + CD45RO	452 ± 963	57 ± 149	59 ± 148	109 ± 182	57 ± 149
CD11a + CD52	64 ± 121	13 ± 27	13 ± 27	79 ± 171	14 ± 27
CD11a + CD54	563 ± 1174	110 ± 292	110 ± 292	302 ± 541	110 ± 292
CD11a + CD56	4 ± 8	0 ± 1	0 ± 0	4 ± 10	0 ± 1
CD11a + CD58	160 ± 213	81 ± 204	81 ± 205	157 ± 260	81 ± 204
CD11a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11a + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11a + CD68	129 ± 178	83 ± 165	85 ± 164	103 ± 160	98 ± 160
CD11a + CD7	495 ± 979	73 ± 165	75 ± 164	201 ± 341	75 ± 164
CD11a + CD8a	200 ± 215	69 ± 112	69 ± 112	131 ± 164	89 ± 104
CD11a + CK14	862 ± 1363	190 ± 317	196 ± 314	435 ± 614	232 ± 298
CD11a + CLA	170 ± 226	62 ± 97	65 ± 95	110 ± 127	78 ± 90
CD11a + c-myc	305 ± 451	53 ± 111	53 ± 111	419 ± 946	66 ± 107
CD11a + Collagen IV	185 ± 259	44 ± 95	45 ± 95	167 ± 316	51 ± 93
CD11a + FXIIIA	7 ± 15	6 ± 16	6 ± 16	11 ± 19	6 ± 16
CD11a + HLA-DR	652 ± 1032	150 ± 306	154 ± 304	358 ± 537	155 ± 303
CD11a + IL-22R	24 ± 28	17 ± 29	17 ± 29	20 ± 28	18 ± 28
CD11a + IL-23R	10 ± 12	3 ± 5	3 ± 5	19 ± 41	3 ± 5
CD11a + Ki67	18 ± 25	8 ± 17	8 ± 17	8 ± 17	9 ± 16
CD11a + PI	623 ± 1183	103 ± 163	104 ± 162	287 ± 441	131 ± 150
CD11a + Podoplanin	74 ± 150	14 ± 38	14 ± 38	127 ± 293	14 ± 38
CD11a + SNA1	586 ± 1060	63 ± 131	65 ± 131	220 ± 404	70 ± 128
CD11a + STAT3	16 ± 24	2 ± 3	2 ± 3	3 ± 3	2 ± 3
CD11a + TIA1	36 ± 38	14 ± 24	15 ± 23	36 ± 56	15 ± 23
CD11a + Vimentin	498 ± 846	132 ± 286	136 ± 284	281 ± 424	137 ± 284

Tabelle 649: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + BCL2	14 ± 18	11 ± 19	11 ± 19	11 ± 19	11 ± 19
CD11b + CCR6	7 ± 13	5 ± 13	5 ± 13	5 ± 13	5 ± 13
CD11b + CD11a	119 ± 153	46 ± 117	46 ± 117	56 ± 116	46 ± 117
CD11b + CD120a	13 ± 23	9 ± 23	9 ± 23	10 ± 23	9 ± 23
CD11b + CD120b	6 ± 11	4 ± 11	4 ± 11	6 ± 12	4 ± 11
CD11b + CD138	62 ± 86	35 ± 77	35 ± 77	35 ± 77	35 ± 77
CD11b + CD15	17 ± 37	3 ± 7	3 ± 7	85 ± 216	3 ± 7
CD11b + CD1a	9 ± 23	9 ± 23	9 ± 23	9 ± 23	9 ± 23
CD11b + CD2	59 ± 96	25 ± 65	25 ± 65	28 ± 64	25 ± 65
CD11b + CD207	3 ± 6	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD11b + CD24	14 ± 35	13 ± 36	13 ± 36	69 ± 145	13 ± 36
CD11b + CD28	28 ± 57	6 ± 16	6 ± 16	9 ± 16	6 ± 16
CD11b + CD29	200 ± 273	115 ± 251	115 ± 251	155 ± 251	116 ± 251
CD11b + CD3	54 ± 87	29 ± 75	29 ± 75	44 ± 79	29 ± 75
CD11b + CD31	3 ± 6	2 ± 6	2 ± 6	3 ± 6	2 ± 6
CD11b + CD4	83 ± 123	40 ± 97	41 ± 96	48 ± 95	42 ± 96
CD11b + CD44	205 ± 286	121 ± 291	122 ± 290	183 ± 300	123 ± 290
CD11b + CD45	100 ± 147	26 ± 67	26 ± 67	47 ± 80	26 ± 67
CD11b + CD45RA	25 ± 44	18 ± 45	18 ± 45	22 ± 45	18 ± 45
CD11b + CD45RO	82 ± 130	32 ± 85	32 ± 85	54 ± 94	32 ± 85
CD11b + CD52	4 ± 7	3 ± 7	3 ± 7	22 ± 50	3 ± 7
CD11b + CD54	171 ± 288	95 ± 251	95 ± 251	103 ± 248	95 ± 251
CD11b + CD56	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD11b + CD58	48 ± 111	43 ± 112	43 ± 112	48 ± 111	43 ± 112
CD11b + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD11b + CD62P	3 ± 5	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD11b + CD68	83 ± 163	75 ± 167	75 ± 167	80 ± 164	78 ± 165
CD11b + CD7	51 ± 80	23 ± 60	23 ± 60	28 ± 59	23 ± 60
CD11b + CD8a	23 ± 33	11 ± 30	11 ± 30	13 ± 29	11 ± 30
CD11b + CK14	229 ± 288	147 ± 302	148 ± 302	188 ± 291	165 ± 294
CD11b + CLA	21 ± 36	15 ± 37	15 ± 37	28 ± 46	15 ± 37
CD11b + c-myc	228 ± 363	147 ± 375	148 ± 374	228 ± 393	163 ± 369
CD11b + Collagen IV	189 ± 311	126 ± 322	128 ± 322	182 ± 323	143 ± 317
CD11b + FXIIIA	14 ± 32	13 ± 32	13 ± 32	14 ± 32	14 ± 32
CD11b + HLA-DR	236 ± 355	155 ± 369	157 ± 368	182 ± 360	158 ± 368
CD11b + IL-22R	8 ± 15	7 ± 15	7 ± 15	7 ± 15	7 ± 15
CD11b + IL-23R	10 ± 19	8 ± 20	8 ± 20	11 ± 20	8 ± 20
CD11b + Ki67	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD11b + PI	79 ± 91	41 ± 80	42 ± 80	48 ± 77	41 ± 80
CD11b + Podoplanin	20 ± 39	15 ± 39	15 ± 39	24 ± 42	16 ± 39
CD11b + SNA1	254 ± 329	129 ± 311	131 ± 310	215 ± 342	143 ± 305
CD11b + STAT3	4 ± 7	2 ± 5	2 ± 5	8 ± 16	2 ± 5
CD11b + TIA1	17 ± 29	7 ± 20	7 ± 20	65 ± 150	7 ± 20
CD11b + Vimentin	154 ± 293	122 ± 303	122 ± 303	129 ± 300	126 ± 301

Tabelle 650: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	11 ± 13	21 ± 37	6 ± 11	7 ± 10	7 ± 11
CD120a + CCR6	2 ± 3	2 ± 3	2 ± 3	5 ± 8	4 ± 6
CD120a + CD11a	12 ± 13	4 ± 7	4 ± 7	20 ± 41	4 ± 6
CD120a + CD11b	13 ± 23	9 ± 23	9 ± 23	10 ± 23	9 ± 23
CD120a + CD120b	0 ± 0	3 ± 7	0 ± 0	1 ± 4	0 ± 0
CD120a + CD138	55 ± 45	35 ± 18	36 ± 20	49 ± 39	141 ± 280
CD120a + CD15	1 ± 1	5 ± 10	1 ± 1	2 ± 2	1 ± 1
CD120a + CD1a	13 ± 15	21 ± 21	15 ± 15	27 ± 26	29 ± 42
CD120a + CD2	4 ± 5	2 ± 4	3 ± 4	5 ± 6	7 ± 12
CD120a + CD207	15 ± 15	26 ± 28	23 ± 15	42 ± 41	33 ± 44
CD120a + CD24	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120a + CD28	4 ± 7	5 ± 9	2 ± 3	3 ± 5	2 ± 3
CD120a + CD29	57 ± 35	51 ± 39	40 ± 26	56 ± 32	118 ± 192
CD120a + CD3	2 ± 4	1 ± 1	1 ± 1	6 ± 14	1 ± 1
CD120a + CD31	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD4	8 ± 10	3 ± 7	3 ± 7	16 ± 32	3 ± 7
CD120a + CD44	58 ± 31	46 ± 27	46 ± 25	91 ± 77	130 ± 212
CD120a + CD45	14 ± 17	6 ± 9	7 ± 9	30 ± 65	7 ± 10
CD120a + CD45RA	3 ± 5	1 ± 1	1 ± 1	3 ± 6	1 ± 1
CD120a + CD45RO	11 ± 19	10 ± 19	9 ± 19	17 ± 27	7 ± 19
CD120a + CD52	1 ± 2	0 ± 0	0 ± 0	4 ± 10	1 ± 1
CD120a + CD54	19 ± 29	9 ± 23	9 ± 23	36 ± 71	9 ± 23
CD120a + CD56	0 ± 0	0 ± 0	0 ± 1	1 ± 1	0 ± 0
CD120a + CD58	20 ± 18	24 ± 26	13 ± 20	35 ± 55	38 ± 62
CD120a + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120a + CD68	17 ± 22	32 ± 42	17 ± 22	19 ± 22	24 ± 28
CD120a + CD7	2 ± 5	0 ± 1	0 ± 1	6 ± 15	1 ± 1
CD120a + CD8a	0 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD120a + CK14	103 ± 55	117 ± 116	77 ± 28	123 ± 65	269 ± 469
CD120a + CLA	7 ± 9	6 ± 8	10 ± 13	6 ± 8	21 ± 38
CD120a + c-myc	38 ± 45	27 ± 31	15 ± 11	64 ± 117	26 ± 13
CD120a + Collagen IV	12 ± 15	6 ± 7	5 ± 6	27 ± 51	16 ± 21
CD120a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD120a + HLA-DR	54 ± 27	39 ± 23	45 ± 15	95 ± 81	72 ± 66
CD120a + IL-22R	28 ± 20	45 ± 59	19 ± 14	28 ± 18	116 ± 237
CD120a + IL-23R	32 ± 50	13 ± 14	10 ± 14	27 ± 41	17 ± 20
CD120a + Ki67	1 ± 1	4 ± 5	2 ± 3	1 ± 1	3 ± 3
CD120a + PI	29 ± 18	58 ± 100	25 ± 16	38 ± 35	88 ± 168
CD120a + Podoplanin	6 ± 14	6 ± 14	6 ± 14	14 ± 24	6 ± 14
CD120a + SNA1	34 ± 29	17 ± 14	19 ± 13	41 ± 56	34 ± 35
CD120a + STAT3	26 ± 44	19 ± 24	8 ± 11	9 ± 11	38 ± 81
CD120a + TIA1	3 ± 7	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD120a + Vimentin	31 ± 26	34 ± 28	35 ± 22	59 ± 47	62 ± 85

Tabelle 651: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + BCL2	7 ± 15	3 ± 6	0 ± 1	4 ± 9	1 ± 1
CD120b + CCR6	7 ± 14	2 ± 4	2 ± 4	5 ± 10	1 ± 4
CD120b + CD11a	28 ± 49	7 ± 17	7 ± 17	22 ± 41	9 ± 17
CD120b + CD11b	6 ± 11	4 ± 11	4 ± 11	6 ± 12	4 ± 11
CD120b + CD120a	0 ± 0	3 ± 7	0 ± 0	1 ± 4	0 ± 0
CD120b + CD138	7 ± 13	4 ± 5	2 ± 4	12 ± 27	2 ± 4
CD120b + CD15	0 ± 0	0 ± 0	0 ± 0	3 ± 6	0 ± 0
CD120b + CD1a	0 ± 1	1 ± 1	0 ± 0	1 ± 3	0 ± 0
CD120b + CD2	20 ± 35	6 ± 16	6 ± 16	22 ± 43	9 ± 15
CD120b + CD207	0 ± 0	1 ± 1	0 ± 0	1 ± 3	0 ± 0
CD120b + CD24	24 ± 43	8 ± 22	9 ± 22	14 ± 22	8 ± 22
CD120b + CD28	20 ± 40	5 ± 9	3 ± 8	27 ± 64	5 ± 9
CD120b + CD29	48 ± 88	15 ± 32	14 ± 33	69 ± 132	14 ± 32
CD120b + CD3	27 ± 46	8 ± 22	8 ± 22	62 ± 141	11 ± 21
CD120b + CD31	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD120b + CD4	24 ± 42	7 ± 19	7 ± 19	27 ± 52	8 ± 19
CD120b + CD44	45 ± 80	13 ± 31	13 ± 31	65 ± 124	14 ± 31
CD120b + CD45	25 ± 44	6 ± 15	6 ± 15	57 ± 133	7 ± 15
CD120b + CD45RA	15 ± 28	4 ± 11	4 ± 10	6 ± 11	6 ± 10
CD120b + CD45RO	18 ± 30	7 ± 16	6 ± 16	19 ± 36	6 ± 16
CD120b + CD52	3 ± 5	2 ± 4	2 ± 4	26 ± 64	2 ± 4
CD120b + CD54	26 ± 50	7 ± 18	7 ± 18	10 ± 19	7 ± 18
CD120b + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD58	9 ± 12	6 ± 11	4 ± 11	49 ± 116	4 ± 11
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	11 ± 18	8 ± 14	5 ± 14	7 ± 13	7 ± 13
CD120b + CD7	26 ± 44	8 ± 22	8 ± 22	56 ± 124	9 ± 22
CD120b + CD8a	3 ± 5	2 ± 4	2 ± 4	9 ± 18	4 ± 6
CD120b + CK14	30 ± 44	19 ± 32	13 ± 31	61 ± 109	17 ± 30
CD120b + CLA	11 ± 20	2 ± 5	2 ± 6	9 ± 17	4 ± 6
CD120b + c-myc	30 ± 49	12 ± 25	11 ± 26	40 ± 72	13 ± 25
CD120b + Collagen IV	19 ± 30	10 ± 26	10 ± 26	25 ± 42	12 ± 25
CD120b + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + HLA-DR	35 ± 60	12 ± 28	11 ± 28	26 ± 35	12 ± 28
CD120b + IL-22R	1 ± 3	6 ± 11	1 ± 3	3 ± 5	1 ± 3
CD120b + IL-23R	0 ± 0	0 ± 1	0 ± 0	3 ± 7	0 ± 0
CD120b + Ki67	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120b + PI	27 ± 56	10 ± 15	5 ± 12	17 ± 27	7 ± 11
CD120b + Podoplanin	2 ± 3	1 ± 2	1 ± 2	49 ± 126	1 ± 2
CD120b + SNA1	42 ± 78	11 ± 27	11 ± 27	29 ± 49	13 ± 27
CD120b + STAT3	1 ± 2	2 ± 4	0 ± 0	0 ± 1	0 ± 0
CD120b + TIA1	1 ± 2	1 ± 1	0 ± 1	2 ± 3	1 ± 1
CD120b + Vimentin	23 ± 39	8 ± 19	7 ± 19	14 ± 23	9 ± 19

Tabelle 652: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	3 ± 5	2 ± 4	76 ± 196	2 ± 4	2 ± 4
CD138 + BCL2	796 ± 854	437 ± 443	237 ± 212	265 ± 192	235 ± 214
CD138 + CCR6	62 ± 93	38 ± 52	64 ± 116	67 ± 82	23 ± 35
CD138 + CD11a	403 ± 792	50 ± 108	51 ± 108	71 ± 104	51 ± 107
CD138 + CD11b	62 ± 86	35 ± 77	35 ± 77	35 ± 77	35 ± 77
CD138 + CD120a	55 ± 45	35 ± 18	36 ± 20	49 ± 39	141 ± 280
CD138 + CD120b	7 ± 13	4 ± 5	2 ± 4	12 ± 27	2 ± 4
CD138 + CD15	6 ± 10	7 ± 11	5 ± 11	27 ± 58	5 ± 11
CD138 + CD1a	128 ± 173	134 ± 125	72 ± 73	107 ± 84	93 ± 88
CD138 + CD2	430 ± 938	53 ± 110	55 ± 109	107 ± 133	57 ± 108
CD138 + CD207	129 ± 142	139 ± 101	134 ± 109	172 ± 153	85 ± 51
CD138 + CD24	82 ± 213	82 ± 213	82 ± 213	83 ± 212	82 ± 213
CD138 + CD28	356 ± 896	13 ± 27	13 ± 27	23 ± 33	13 ± 27
CD138 + CD29	9803 ± 12640	3492 ± 3384	3224 ± 3043	4239 ± 3420	2969 ± 3148
CD138 + CD3	359 ± 722	65 ± 161	66 ± 160	171 ± 264	65 ± 161
CD138 + CD31	3 ± 5	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + CD4	334 ± 816	20 ± 48	19 ± 49	34 ± 53	19 ± 49
CD138 + CD44	8422 ± 10340	3207 ± 3026	3590 ± 2984	4826 ± 3791	2936 ± 2861
CD138 + CD45	468 ± 1131	16 ± 34	17 ± 34	149 ± 343	17 ± 34
CD138 + CD45RA	83 ± 146	25 ± 52	26 ± 51	36 ± 53	26 ± 52
CD138 + CD45RO	292 ± 697	18 ± 47	21 ± 47	49 ± 80	18 ± 47
CD138 + CD52	28 ± 63	5 ± 8	4 ± 8	275 ± 712	4 ± 8
CD138 + CD54	1109 ± 2330	217 ± 566	217 ± 566	340 ± 603	217 ± 566
CD138 + CD56	10 ± 15	4 ± 9	111 ± 282	7 ± 12	4 ± 9
CD138 + CD58	2232 ± 2262	1373 ± 1464	1008 ± 1530	1908 ± 2539	1051 ± 1504
CD138 + CD62E	10 ± 16	6 ± 14	6 ± 14	6 ± 14	6 ± 14
CD138 + CD62P	11 ± 25	10 ± 26	10 ± 26	10 ± 26	10 ± 26
CD138 + CD68	275 ± 239	243 ± 204	226 ± 186	246 ± 197	216 ± 189
CD138 + CD7	358 ± 767	29 ± 68	30 ± 68	90 ± 144	29 ± 68
CD138 + CD8a	122 ± 161	26 ± 55	27 ± 54	41 ± 57	28 ± 54
CD138 + CK14	14536 ± 18073	5648 ± 4191	5968 ± 3648	8423 ± 5842	5403 ± 4046
CD138 + CLA	166 ± 254	49 ± 75	52 ± 74	65 ± 71	62 ± 77
CD138 + c-myc	1966 ± 1935	833 ± 574	1027 ± 851	1031 ± 469	762 ± 456
CD138 + Collagen IV	483 ± 591	183 ± 266	173 ± 244	292 ± 320	156 ± 249
CD138 + FXIIIA	14 ± 29	3 ± 7	17 ± 38	5 ± 8	3 ± 7
CD138 + HLA-DR	3399 ± 4182	1417 ± 1843	1289 ± 1664	2509 ± 3249	1133 ± 1708
CD138 + IL-22R	1183 ± 692	1255 ± 631	880 ± 809	1118 ± 686	1245 ± 689
CD138 + IL-23R	680 ± 814	796 ± 1394	270 ± 561	574 ± 678	288 ± 555
CD138 + Ki67	580 ± 546	418 ± 503	233 ± 319	274 ± 312	282 ± 305
CD138 + PI	4336 ± 5475	2161 ± 1770	1937 ± 996	2516 ± 2150	1632 ± 1077
CD138 + Podoplanin	924 ± 1501	466 ± 1216	531 ± 1198	1767 ± 3436	472 ± 1213
CD138 + SNA1	2980 ± 4612	639 ± 1010	351 ± 550	554 ± 629	321 ± 562
CD138 + STAT3	1315 ± 1298	1813 ± 2854	776 ± 854	827 ± 687	587 ± 573
CD138 + TIA1	12 ± 14	7 ± 10	5 ± 7	7 ± 8	5 ± 7
CD138 + Vimentin	1552 ± 2023	668 ± 771	679 ± 675	920 ± 836	579 ± 708

Tabelle 653: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	11 ± 27	30 ± 52	11 ± 27	18 ± 30	11 ± 27
CD15 + CCR6	2 ± 5	2 ± 5	2 ± 5	5 ± 9	2 ± 5
CD15 + CD11a	6 ± 14	0 ± 0	0 ± 0	8 ± 19	0 ± 0
CD15 + CD11b	17 ± 37	3 ± 7	3 ± 7	85 ± 216	3 ± 7
CD15 + CD120a	1 ± 1	5 ± 10	1 ± 1	2 ± 2	1 ± 1
CD15 + CD120b	0 ± 0	0 ± 0	0 ± 0	3 ± 6	0 ± 0
CD15 + CD138	6 ± 10	7 ± 11	5 ± 11	27 ± 58	5 ± 11
CD15 + CD1a	1 ± 2	7 ± 16	1 ± 2	3 ± 5	1 ± 2
CD15 + CD2	3 ± 6	1 ± 2	1 ± 2	3 ± 4	1 ± 2
CD15 + CD207	2 ± 3	11 ± 23	2 ± 3	5 ± 8	2 ± 3
CD15 + CD24	2 ± 3	1 ± 3	1 ± 3	50 ± 127	1 ± 3
CD15 + CD28	1 ± 2	0 ± 1	0 ± 0	3 ± 7	0 ± 0
CD15 + CD29	23 ± 33	28 ± 46	10 ± 15	61 ± 83	11 ± 15
CD15 + CD3	1 ± 3	0 ± 0	0 ± 0	13 ± 33	0 ± 0
CD15 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	4 ± 11	0 ± 0	0 ± 0	6 ± 15	0 ± 0
CD15 + CD44	10 ± 14	13 ± 16	8 ± 14	64 ± 96	8 ± 14
CD15 + CD45	6 ± 16	1 ± 2	0 ± 0	21 ± 53	0 ± 0
CD15 + CD45RA	0 ± 1	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD15 + CD45RO	7 ± 18	0 ± 0	0 ± 0	15 ± 37	0 ± 0
CD15 + CD52	0 ± 0	0 ± 0	0 ± 0	20 ± 53	0 ± 0
CD15 + CD54	10 ± 27	0 ± 1	0 ± 1	4 ± 11	0 ± 1
CD15 + CD56	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD15 + CD58	1 ± 2	7 ± 14	1 ± 2	9 ± 19	1 ± 2
CD15 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD68	12 ± 27	48 ± 94	12 ± 27	34 ± 52	12 ± 27
CD15 + CD7	3 ± 7	0 ± 1	0 ± 1	6 ± 10	0 ± 1
CD15 + CD8a	1 ± 2	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + CK14	21 ± 29	57 ± 101	18 ± 30	91 ± 151	18 ± 30
CD15 + CLA	5 ± 7	5 ± 7	2 ± 4	13 ± 25	2 ± 4
CD15 + c-myc	22 ± 31	17 ± 23	11 ± 20	128 ± 212	11 ± 20
CD15 + Collagen IV	20 ± 30	15 ± 21	9 ± 17	84 ± 133	9 ± 17
CD15 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD15 + HLA-DR	13 ± 18	11 ± 14	6 ± 10	66 ± 113	6 ± 10
CD15 + IL-22R	2 ± 2	8 ± 15	2 ± 2	4 ± 4	2 ± 2
CD15 + IL-23R	4 ± 9	4 ± 9	4 ± 9	6 ± 9	4 ± 9
CD15 + Ki67	0 ± 0	6 ± 17	0 ± 0	1 ± 2	0 ± 0
CD15 + PI	6 ± 9	33 ± 74	4 ± 9	22 ± 31	5 ± 9
CD15 + Podoplanin	0 ± 0	0 ± 1	0 ± 0	7 ± 15	0 ± 0
CD15 + SNA1	26 ± 43	15 ± 19	9 ± 14	120 ± 200	9 ± 14
CD15 + STAT3	1 ± 2	3 ± 4	1 ± 2	2 ± 2	1 ± 2
CD15 + TIA1	4 ± 9	3 ± 9	3 ± 9	49 ± 119	3 ± 9
CD15 + Vimentin	18 ± 40	56 ± 102	17 ± 40	53 ± 89	18 ± 40

Tabelle 654: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	6 ± 8	39 ± 90	3 ± 3	3 ± 2	3 ± 3
CD1a + CCR6	4 ± 7	7 ± 12	2 ± 3	6 ± 7	3 ± 4
CD1a + CD11a	26 ± 42	12 ± 29	12 ± 29	15 ± 29	12 ± 29
CD1a + CD11b	9 ± 23	9 ± 23	9 ± 23	9 ± 23	9 ± 23
CD1a + CD120a	13 ± 15	21 ± 21	15 ± 15	27 ± 26	29 ± 42
CD1a + CD120b	0 ± 1	1 ± 1	0 ± 0	1 ± 3	0 ± 0
CD1a + CD138	128 ± 173	134 ± 125	72 ± 73	107 ± 84	93 ± 88
CD1a + CD15	1 ± 2	7 ± 16	1 ± 2	3 ± 5	1 ± 2
CD1a + CD2	21 ± 34	9 ± 19	9 ± 19	14 ± 21	10 ± 18
CD1a + CD207	59 ± 61	90 ± 89	51 ± 35	151 ± 243	49 ± 35
CD1a + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD1a + CD28	16 ± 35	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD1a + CD29	97 ± 133	114 ± 125	50 ± 74	156 ± 242	61 ± 73
CD1a + CD3	24 ± 40	15 ± 37	15 ± 37	22 ± 38	15 ± 37
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	21 ± 38	8 ± 19	8 ± 19	28 ± 52	8 ± 19
CD1a + CD44	135 ± 166	124 ± 123	84 ± 84	197 ± 267	102 ± 89
CD1a + CD45	42 ± 80	13 ± 25	14 ± 25	48 ± 95	13 ± 26
CD1a + CD45RA	9 ± 15	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CD1a + CD45RO	26 ± 46	11 ± 28	12 ± 28	27 ± 45	11 ± 28
CD1a + CD52	1 ± 3	0 ± 0	0 ± 0	4 ± 10	0 ± 1
CD1a + CD54	65 ± 112	36 ± 96	36 ± 96	75 ± 128	36 ± 96
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	61 ± 59	127 ± 129	42 ± 55	62 ± 61	56 ± 53
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	23 ± 33	45 ± 51	21 ± 32	26 ± 31	25 ± 34
CD1a + CD7	15 ± 25	8 ± 20	8 ± 20	13 ± 22	8 ± 20
CD1a + CD8a	4 ± 7	3 ± 7	3 ± 7	5 ± 8	3 ± 7
CD1a + CK14	152 ± 180	189 ± 164	100 ± 96	194 ± 208	128 ± 115
CD1a + CLA	12 ± 14	12 ± 14	11 ± 12	16 ± 21	15 ± 19
CD1a + c-myc	27 ± 38	59 ± 88	36 ± 42	32 ± 36	35 ± 37
CD1a + Collagen IV	3 ± 8	5 ± 8	3 ± 8	4 ± 8	4 ± 8
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	120 ± 154	96 ± 95	70 ± 62	115 ± 91	83 ± 67
CD1a + IL-22R	29 ± 24	72 ± 80	18 ± 13	30 ± 18	50 ± 55
CD1a + IL-23R	29 ± 45	70 ± 117	25 ± 47	43 ± 46	33 ± 47
CD1a + Ki67	3 ± 5	10 ± 12	3 ± 4	3 ± 4	3 ± 5
CD1a + PI	38 ± 59	67 ± 87	21 ± 22	36 ± 37	23 ± 26
CD1a + Podoplanin	8 ± 20	8 ± 20	8 ± 20	38 ± 79	8 ± 20
CD1a + SNA1	40 ± 64	33 ± 52	17 ± 21	37 ± 63	14 ± 21
CD1a + STAT3	42 ± 56	106 ± 136	30 ± 45	41 ± 46	36 ± 49
CD1a + TIA1	0 ± 0	1 ± 1	0 ± 0	0 ± 1	0 ± 0
CD1a + Vimentin	77 ± 98	75 ± 64	51 ± 46	86 ± 76	63 ± 58

Tabelle 655: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD2 + BCL2	138 ± 254	32 ± 45	33 ± 45	56 ± 55	40 ± 42
CD2 + CCR6	58 ± 111	16 ± 39	17 ± 38	40 ± 59	18 ± 38
CD2 + CD11a	593 ± 1109	132 ± 236	135 ± 234	251 ± 334	148 ± 227
CD2 + CD11b	59 ± 96	25 ± 65	25 ± 65	28 ± 64	25 ± 65
CD2 + CD120a	4 ± 5	2 ± 4	3 ± 4	5 ± 6	7 ± 12
CD2 + CD120b	20 ± 35	6 ± 16	6 ± 16	22 ± 43	9 ± 15
CD2 + CD138	430 ± 938	53 ± 110	55 ± 109	107 ± 133	57 ± 108
CD2 + CD15	3 ± 6	1 ± 2	1 ± 2	3 ± 4	1 ± 2
CD2 + CD1a	21 ± 34	9 ± 19	9 ± 19	14 ± 21	10 ± 18
CD2 + CD207	25 ± 38	11 ± 17	14 ± 17	19 ± 20	12 ± 17
CD2 + CD24	5 ± 13	5 ± 13	5 ± 13	6 ± 13	5 ± 13
CD2 + CD28	397 ± 939	34 ± 75	34 ± 75	57 ± 88	39 ± 74
CD2 + CD29	817 ± 1573	177 ± 358	188 ± 353	313 ± 432	195 ± 349
CD2 + CD3	536 ± 967	148 ± 286	150 ± 285	337 ± 503	165 ± 278
CD2 + CD31	1 ± 2	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD2 + CD4	437 ± 968	60 ± 134	61 ± 133	153 ± 253	63 ± 132
CD2 + CD44	647 ± 1250	135 ± 239	145 ± 234	348 ± 526	139 ± 236
CD2 + CD45	571 ± 1274	62 ± 116	66 ± 115	192 ± 336	64 ± 115
CD2 + CD45RA	72 ± 97	33 ± 47	33 ± 47	62 ± 77	37 ± 44
CD2 + CD45RO	505 ± 1142	58 ± 149	61 ± 148	131 ± 222	58 ± 149
CD2 + CD52	65 ± 126	15 ± 29	14 ± 30	86 ± 186	16 ± 29
CD2 + CD54	463 ± 1014	74 ± 196	74 ± 196	130 ± 224	74 ± 196
CD2 + CD56	4 ± 11	0 ± 0	0 ± 0	6 ± 15	0 ± 0
CD2 + CD58	119 ± 178	71 ± 177	70 ± 177	147 ± 242	71 ± 177
CD2 + CD62E	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD2 + CD62P	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD2 + CD68	152 ± 186	110 ± 183	113 ± 181	120 ± 177	128 ± 173
CD2 + CD7	451 ± 934	67 ± 136	75 ± 133	200 ± 342	72 ± 133
CD2 + CD8a	200 ± 226	88 ± 128	84 ± 130	150 ± 178	106 ± 121
CD2 + CK14	849 ± 1473	231 ± 324	248 ± 315	411 ± 457	272 ± 301
CD2 + CLA	180 ± 244	72 ± 92	75 ± 90	108 ± 95	90 ± 82
CD2 + c-myc	182 ± 275	50 ± 85	51 ± 85	164 ± 281	68 ± 83
CD2 + Collagen IV	99 ± 142	39 ± 53	39 ± 53	74 ± 96	52 ± 59
CD2 + FXIIIA	1 ± 2	1 ± 2	1 ± 2	5 ± 11	1 ± 2
CD2 + HLA-DR	456 ± 829	116 ± 236	121 ± 233	200 ± 256	122 ± 232
CD2 + IL-22R	19 ± 22	13 ± 21	13 ± 21	16 ± 19	14 ± 20
CD2 + IL-23R	8 ± 10	4 ± 9	4 ± 9	13 ± 18	5 ± 9
CD2 + Ki67	18 ± 27	7 ± 15	7 ± 15	7 ± 15	8 ± 15
CD2 + PI	634 ± 1227	133 ± 188	139 ± 184	229 ± 234	158 ± 173
CD2 + Podoplanin	52 ± 94	18 ± 47	18 ± 47	140 ± 319	18 ± 47
CD2 + SNA1	442 ± 908	62 ± 95	65 ± 95	157 ± 248	71 ± 94
CD2 + STAT3	19 ± 28	4 ± 8	4 ± 8	13 ± 18	4 ± 8
CD2 + TIA1	36 ± 37	20 ± 32	21 ± 32	37 ± 46	22 ± 31
CD2 + Vimentin	557 ± 970	170 ± 329	183 ± 324	276 ± 364	182 ± 323

Tabelle 656: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + BCL2	16 ± 24	90 ± 216	7 ± 10	8 ± 10	7 ± 10
CD207 + CCR6	7 ± 15	6 ± 12	3 ± 6	14 ± 27	3 ± 5
CD207 + CD11a	36 ± 60	13 ± 23	14 ± 23	16 ± 22	13 ± 23
CD207 + CD11b	3 ± 6	1 ± 2	1 ± 2	2 ± 3	1 ± 2
CD207 + CD120a	15 ± 15	26 ± 28	23 ± 15	42 ± 41	33 ± 44
CD207 + CD120b	0 ± 0	1 ± 1	0 ± 0	1 ± 3	0 ± 0
CD207 + CD138	129 ± 142	139 ± 101	134 ± 109	172 ± 153	85 ± 51
CD207 + CD15	2 ± 3	11 ± 23	2 ± 3	5 ± 8	2 ± 3
CD207 + CD1a	59 ± 61	90 ± 89	51 ± 35	151 ± 243	49 ± 35
CD207 + CD2	25 ± 38	11 ± 17	14 ± 17	19 ± 20	12 ± 17
CD207 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD207 + CD28	17 ± 39	2 ± 4	3 ± 4	2 ± 3	2 ± 4
CD207 + CD29	129 ± 168	147 ± 140	76 ± 30	213 ± 289	75 ± 30
CD207 + CD3	20 ± 28	9 ± 16	12 ± 15	22 ± 29	9 ± 16
CD207 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD4	25 ± 52	5 ± 7	5 ± 7	21 ± 36	5 ± 7
CD207 + CD44	165 ± 186	149 ± 86	144 ± 83	292 ± 354	107 ± 58
CD207 + CD45	47 ± 104	8 ± 10	13 ± 12	43 ± 92	8 ± 11
CD207 + CD45RA	13 ± 28	2 ± 6	2 ± 6	3 ± 6	2 ± 6
CD207 + CD45RO	24 ± 58	2 ± 6	7 ± 13	12 ± 22	2 ± 6
CD207 + CD52	1 ± 3	0 ± 0	0 ± 0	6 ± 13	0 ± 1
CD207 + CD54	52 ± 112	9 ± 24	9 ± 24	40 ± 81	9 ± 24
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	40 ± 16	129 ± 194	35 ± 17	50 ± 32	40 ± 15
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	29 ± 25	63 ± 74	30 ± 21	36 ± 36	27 ± 15
CD207 + CD7	11 ± 19	4 ± 10	5 ± 10	20 ± 40	5 ± 10
CD207 + CD8a	4 ± 5	3 ± 6	3 ± 6	5 ± 7	3 ± 6
CD207 + CK14	200 ± 153	329 ± 365	234 ± 153	354 ± 317	182 ± 87
CD207 + CLA	16 ± 18	19 ± 21	25 ± 31	30 ± 29	25 ± 30
CD207 + c-myc	32 ± 24	100 ± 179	57 ± 62	40 ± 20	35 ± 23
CD207 + Collagen IV	3 ± 5	5 ± 7	3 ± 3	4 ± 6	2 ± 4
CD207 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + HLA-DR	177 ± 167	138 ± 66	164 ± 78	247 ± 209	135 ± 55
CD207 + IL-22R	53 ± 56	136 ± 173	52 ± 56	71 ± 58	72 ± 51
CD207 + IL-23R	22 ± 29	39 ± 58	17 ± 31	37 ± 43	23 ± 30
CD207 + Ki67	10 ± 11	27 ± 34	10 ± 11	8 ± 9	8 ± 9
CD207 + PI	93 ± 125	159 ± 223	75 ± 76	112 ± 113	60 ± 37
CD207 + Podoplanin	5 ± 6	3 ± 5	3 ± 5	35 ± 84	3 ± 5
CD207 + SNA1	59 ± 127	33 ± 60	26 ± 34	39 ± 75	9 ± 7
CD207 + STAT3	29 ± 23	117 ± 160	38 ± 40	45 ± 40	26 ± 24
CD207 + TIA1	0 ± 1	1 ± 1	0 ± 0	0 ± 1	0 ± 0
CD207 + Vimentin	114 ± 141	104 ± 59	99 ± 65	159 ± 150	82 ± 39

Tabelle 657: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD24 + CCR6	0 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD24 + CD11a	6 ± 8	4 ± 8	4 ± 8	10 ± 15	4 ± 8
CD24 + CD11b	14 ± 35	13 ± 36	13 ± 36	69 ± 145	13 ± 36
CD24 + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD24 + CD120b	24 ± 43	8 ± 22	9 ± 22	14 ± 22	8 ± 22
CD24 + CD138	82 ± 213	82 ± 213	82 ± 213	83 ± 212	82 ± 213
CD24 + CD15	2 ± 3	1 ± 3	1 ± 3	50 ± 127	1 ± 3
CD24 + CD1a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CD2	5 ± 13	5 ± 13	5 ± 13	6 ± 13	5 ± 13
CD24 + CD207	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CD28	3 ± 4	2 ± 4	2 ± 4	4 ± 6	2 ± 4
CD24 + CD29	88 ± 187	74 ± 189	76 ± 189	94 ± 184	74 ± 189
CD24 + CD3	6 ± 14	5 ± 14	5 ± 14	13 ± 22	5 ± 14
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD4	6 ± 14	5 ± 14	5 ± 14	9 ± 16	5 ± 14
CD24 + CD44	89 ± 205	78 ± 207	82 ± 206	111 ± 205	79 ± 207
CD24 + CD45	4 ± 7	3 ± 7	3 ± 7	18 ± 39	3 ± 7
CD24 + CD45RA	11 ± 18	6 ± 13	7 ± 13	6 ± 13	6 ± 13
CD24 + CD45RO	6 ± 15	6 ± 15	6 ± 15	15 ± 27	6 ± 15
CD24 + CD52	1 ± 2	1 ± 2	1 ± 2	17 ± 43	1 ± 2
CD24 + CD54	44 ± 103	40 ± 105	40 ± 105	45 ± 103	40 ± 105
CD24 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD58	12 ± 28	11 ± 29	11 ± 29	16 ± 30	11 ± 29
CD24 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + CD68	7 ± 16	7 ± 16	7 ± 16	9 ± 16	7 ± 16
CD24 + CD7	2 ± 4	2 ± 4	2 ± 4	4 ± 6	2 ± 4
CD24 + CD8a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + CK14	86 ± 214	84 ± 215	86 ± 214	105 ± 209	84 ± 215
CD24 + CLA	2 ± 3	1 ± 3	1 ± 3	9 ± 19	1 ± 3
CD24 + c-myc	21 ± 35	10 ± 26	12 ± 26	57 ± 111	10 ± 26
CD24 + Collagen IV	15 ± 27	9 ± 24	12 ± 24	34 ± 62	9 ± 24
CD24 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD24 + HLA-DR	46 ± 96	39 ± 97	42 ± 96	60 ± 94	39 ± 97
CD24 + IL-22R	8 ± 20	8 ± 20	8 ± 20	8 ± 20	8 ± 20
CD24 + IL-23R	1 ± 3	1 ± 3	1 ± 3	3 ± 5	1 ± 3
CD24 + Ki67	6 ± 17	6 ± 17	6 ± 17	6 ± 17	6 ± 17
CD24 + PI	13 ± 21	6 ± 15	6 ± 15	9 ± 15	6 ± 15
CD24 + Podoplanin	54 ± 142	54 ± 142	54 ± 142	59 ± 140	54 ± 142
CD24 + SNA1	26 ± 44	14 ± 36	17 ± 36	58 ± 111	14 ± 36
CD24 + STAT3	0 ± 1	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD24 + TIA1	1 ± 3	1 ± 3	1 ± 3	40 ± 102	1 ± 3
CD24 + Vimentin	15 ± 38	15 ± 38	15 ± 38	17 ± 38	15 ± 38

Tabelle 658: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + BCL2	47 ± 104	3 ± 4	3 ± 5	5 ± 6	3 ± 4
CD28 + CCR6	37 ± 74	9 ± 24	9 ± 24	14 ± 25	9 ± 24
CD28 + CD11a	443 ± 1038	36 ± 76	36 ± 76	62 ± 92	36 ± 76
CD28 + CD11b	28 ± 57	6 ± 16	6 ± 16	9 ± 16	6 ± 16
CD28 + CD120a	4 ± 7	5 ± 9	2 ± 3	3 ± 5	2 ± 3
CD28 + CD120b	20 ± 40	5 ± 9	3 ± 8	27 ± 64	5 ± 9
CD28 + CD138	356 ± 896	13 ± 27	13 ± 27	23 ± 33	13 ± 27
CD28 + CD15	1 ± 2	0 ± 1	0 ± 0	3 ± 7	0 ± 0
CD28 + CD1a	16 ± 35	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD28 + CD2	397 ± 939	34 ± 75	34 ± 75	57 ± 88	39 ± 74
CD28 + CD207	17 ± 39	2 ± 4	3 ± 4	2 ± 3	2 ± 4
CD28 + CD24	3 ± 4	2 ± 4	2 ± 4	4 ± 6	2 ± 4
CD28 + CD29	543 ± 1298	37 ± 82	37 ± 83	80 ± 127	37 ± 82
CD28 + CD3	418 ± 963	38 ± 84	38 ± 84	104 ± 175	44 ± 83
CD28 + CD31	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD4	420 ± 1003	26 ± 60	27 ± 60	54 ± 84	29 ± 60
CD28 + CD44	529 ± 1258	37 ± 78	37 ± 78	90 ± 142	38 ± 77
CD28 + CD45	477 ± 1168	24 ± 49	24 ± 49	85 ± 162	24 ± 49
CD28 + CD45RA	36 ± 85	3 ± 7	3 ± 7	5 ± 8	4 ± 7
CD28 + CD45RO	345 ± 825	24 ± 58	23 ± 58	42 ± 70	22 ± 59
CD28 + CD52	52 ± 107	9 ± 18	8 ± 18	42 ± 88	9 ± 18
CD28 + CD54	411 ± 1011	22 ± 59	22 ± 59	32 ± 60	22 ± 58
CD28 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD28 + CD58	66 ± 103	19 ± 48	19 ± 48	63 ± 119	19 ± 48
CD28 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD28 + CD62P	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD28 + CD68	51 ± 84	23 ± 43	21 ± 44	21 ± 44	23 ± 43
CD28 + CD7	343 ± 815	22 ± 52	22 ± 53	74 ± 137	24 ± 52
CD28 + CD8a	40 ± 76	8 ± 13	7 ± 13	14 ± 20	10 ± 14
CD28 + CK14	530 ± 1253	43 ± 71	39 ± 73	80 ± 112	48 ± 72
CD28 + CLA	70 ± 139	13 ± 28	14 ± 28	20 ± 30	16 ± 28
CD28 + c-myc	110 ± 234	8 ± 16	8 ± 16	38 ± 78	14 ± 21
CD28 + Collagen IV	76 ± 155	7 ± 11	7 ± 11	21 ± 34	14 ± 19
CD28 + FXIIIA	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD28 + HLA-DR	393 ± 904	33 ± 68	33 ± 68	49 ± 70	32 ± 69
CD28 + IL-22R	14 ± 29	7 ± 10	3 ± 5	5 ± 7	3 ± 5
CD28 + IL-23R	4 ± 10	0 ± 1	0 ± 1	3 ± 7	0 ± 1
CD28 + Ki67	7 ± 15	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD28 + PI	381 ± 936	23 ± 36	19 ± 37	31 ± 40	20 ± 36
CD28 + Podoplanin	19 ± 43	3 ± 7	3 ± 7	48 ± 115	3 ± 7
CD28 + SNA1	347 ± 839	14 ± 25	14 ± 25	35 ± 59	19 ± 27
CD28 + STAT3	15 ± 39	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD28 + TIA1	3 ± 5	1 ± 3	1 ± 3	2 ± 4	2 ± 3
CD28 + Vimentin	268 ± 594	32 ± 73	32 ± 73	39 ± 72	35 ± 73

Tabelle 659: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	17 ± 17	10 ± 16	84 ± 192	10 ± 16	10 ± 16
CD29 + BCL2	1641 ± 1654	734 ± 621	594 ± 567	654 ± 532	625 ± 542
CD29 + CCR6	96 ± 158	37 ± 45	66 ± 94	106 ± 152	34 ± 42
CD29 + CD11a	828 ± 1487	162 ± 351	165 ± 350	235 ± 358	180 ± 344
CD29 + CD11b	200 ± 273	115 ± 251	115 ± 251	155 ± 251	116 ± 251
CD29 + CD120a	57 ± 35	51 ± 39	40 ± 26	56 ± 32	118 ± 192
CD29 + CD120b	48 ± 88	15 ± 32	14 ± 33	69 ± 132	14 ± 32
CD29 + CD138	9803 ± 12640	3492 ± 3384	3224 ± 3043	4239 ± 3420	2969 ± 3148
CD29 + CD15	23 ± 33	28 ± 46	10 ± 15	61 ± 83	11 ± 15
CD29 + CD1a	97 ± 133	114 ± 125	50 ± 74	156 ± 242	61 ± 73
CD29 + CD2	817 ± 1573	177 ± 358	188 ± 353	313 ± 432	195 ± 349
CD29 + CD207	129 ± 168	147 ± 140	76 ± 30	213 ± 289	75 ± 30
CD29 + CD24	88 ± 187	74 ± 189	76 ± 189	94 ± 184	74 ± 189
CD29 + CD28	543 ± 1298	37 ± 82	37 ± 83	80 ± 127	37 ± 82
CD29 + CD3	649 ± 1175	170 ± 408	174 ± 407	509 ± 889	182 ± 403
CD29 + CD31	86 ± 117	22 ± 37	22 ± 37	26 ± 36	24 ± 36
CD29 + CD4	661 ± 1424	94 ± 223	94 ± 223	191 ± 304	94 ± 223
CD29 + CD44	8811 ± 10170	3612 ± 4532	4026 ± 4724	5885 ± 6626	3442 ± 4469
CD29 + CD45	804 ± 1826	61 ± 137	65 ± 135	459 ± 1036	62 ± 136
CD29 + CD45RA	206 ± 329	80 ± 168	83 ± 166	117 ± 173	85 ± 165
CD29 + CD45RO	559 ± 1234	65 ± 164	69 ± 163	157 ± 268	64 ± 165
CD29 + CD52	56 ± 109	13 ± 24	13 ± 25	441 ± 1128	13 ± 24
CD29 + CD54	1931 ± 3800	454 ± 1183	454 ± 1183	730 ± 1281	454 ± 1183
CD29 + CD56	35 ± 40	11 ± 11	120 ± 280	37 ± 63	16 ± 13
CD29 + CD58	2461 ± 3068	1680 ± 2655	1349 ± 2764	2489 ± 3679	1378 ± 2749
CD29 + CD62E	7 ± 16	7 ± 16	7 ± 16	7 ± 16	7 ± 16
CD29 + CD62P	15 ± 31	15 ± 31	14 ± 31	14 ± 31	14 ± 31
CD29 + CD68	1352 ± 1176	1321 ± 1132	1244 ± 1184	1215 ± 1210	1338 ± 1129
CD29 + CD7	639 ± 1208	101 ± 255	118 ± 252	380 ± 720	104 ± 254
CD29 + CD8a	276 ± 305	105 ± 210	112 ± 207	159 ± 224	125 ± 201
CD29 + CK14	17952 ± 16608	9220 ± 8654	9400 ± 8656	12483 ± 10421	9492 ± 8413
CD29 + CLA	304 ± 412	118 ± 187	128 ± 184	175 ± 191	151 ± 175
CD29 + c-myc	5339 ± 5240	2385 ± 3617	2492 ± 3563	3611 ± 4122	2526 ± 3523
CD29 + Collagen IV	2683 ± 2663	1656 ± 2435	1656 ± 2428	2260 ± 2787	1607 ± 2461
CD29 + FXIIIA	35 ± 75	31 ± 76	46 ± 79	35 ± 75	31 ± 76
CD29 + HLA-DR	4456 ± 4961	2079 ± 3057	1865 ± 3022	2793 ± 3126	1877 ± 3023
CD29 + IL-22R	1135 ± 1046	1327 ± 983	963 ± 1174	1121 ± 1051	1294 ± 984
CD29 + IL-23R	512 ± 905	514 ± 1008	115 ± 162	388 ± 415	131 ± 154
CD29 + Ki67	698 ± 649	512 ± 543	325 ± 526	341 ± 517	425 ± 492
CD29 + PI	6304 ± 7008	3246 ± 2748	3004 ± 2705	3653 ± 2728	3126 ± 2652
CD29 + Podoplanin	1630 ± 2663	797 ± 2056	861 ± 2032	3101 ± 6080	803 ± 2053
CD29 + SNA1	5962 ± 7108	1974 ± 2165	1719 ± 2027	2506 ± 2742	1613 ± 2058
CD29 + STAT3	876 ± 1256	1452 ± 2544	455 ± 554	460 ± 428	294 ± 361
CD29 + TIA1	38 ± 41	20 ± 35	23 ± 34	44 ± 68	20 ± 35
CD29 + Vimentin	3337 ± 3373	1842 ± 2161	1919 ± 2155	2289 ± 2189	1749 ± 2175

Tabelle 660: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + BCL2	82 ± 136	18 ± 30	18 ± 31	44 ± 59	24 ± 29
CD3 + CCR6	52 ± 96	17 ± 42	17 ± 41	53 ± 86	19 ± 41
CD3 + CD11a	571 ± 1029	137 ± 278	139 ± 277	313 ± 474	150 ± 272
CD3 + CD11b	54 ± 87	29 ± 75	29 ± 75	44 ± 79	29 ± 75
CD3 + CD120a	2 ± 4	1 ± 1	1 ± 1	6 ± 14	1 ± 1
CD3 + CD120b	27 ± 46	8 ± 22	8 ± 22	62 ± 141	11 ± 21
CD3 + CD138	359 ± 722	65 ± 161	66 ± 160	171 ± 264	65 ± 161
CD3 + CD15	1 ± 3	0 ± 0	0 ± 0	13 ± 33	0 ± 0
CD3 + CD1a	24 ± 40	15 ± 37	15 ± 37	22 ± 38	15 ± 37
CD3 + CD2	536 ± 967	148 ± 286	150 ± 285	337 ± 503	165 ± 278
CD3 + CD207	20 ± 28	9 ± 16	12 ± 15	22 ± 29	9 ± 16
CD3 + CD24	6 ± 14	5 ± 14	5 ± 14	13 ± 22	5 ± 14
CD3 + CD28	418 ± 963	38 ± 84	38 ± 84	104 ± 175	44 ± 83
CD3 + CD29	649 ± 1175	170 ± 408	174 ± 407	509 ± 889	182 ± 403
CD3 + CD31	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD3 + CD4	426 ± 887	69 ± 151	69 ± 151	234 ± 426	72 ± 149
CD3 + CD44	643 ± 1173	159 ± 353	164 ± 350	643 ± 1206	164 ± 350
CD3 + CD45	513 ± 1074	69 ± 140	72 ± 139	383 ± 810	70 ± 139
CD3 + CD45RA	69 ± 92	38 ± 71	38 ± 71	71 ± 99	44 ± 68
CD3 + CD45RO	366 ± 760	58 ± 150	62 ± 149	155 ± 267	58 ± 150
CD3 + CD52	62 ± 116	15 ± 30	14 ± 30	211 ± 507	15 ± 30
CD3 + CD54	406 ± 805	99 ± 261	99 ± 261	201 ± 341	99 ± 261
CD3 + CD56	0 ± 0	0 ± 0	0 ± 0	1 ± 3	1 ± 2
CD3 + CD58	142 ± 214	84 ± 215	84 ± 215	338 ± 667	84 ± 215
CD3 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD3 + CD68	108 ± 163	83 ± 164	84 ± 163	94 ± 159	103 ± 157
CD3 + CD7	433 ± 830	88 ± 207	90 ± 206	422 ± 848	94 ± 204
CD3 + CD8a	137 ± 158	71 ± 127	69 ± 128	173 ± 244	85 ± 122
CD3 + CK14	691 ± 1144	212 ± 432	216 ± 430	617 ± 1014	247 ± 417
CD3 + CLA	142 ± 189	64 ± 105	67 ± 104	120 ± 143	80 ± 98
CD3 + c-myc	145 ± 240	31 ± 70	31 ± 70	319 ± 722	45 ± 68
CD3 + Collagen IV	91 ± 130	31 ± 58	30 ± 58	175 ± 337	42 ± 58
CD3 + FXIIIA	2 ± 3	1 ± 3	1 ± 3	5 ± 9	1 ± 3
CD3 + HLA-DR	445 ± 752	130 ± 307	134 ± 305	289 ± 409	137 ± 304
CD3 + IL-22R	22 ± 34	15 ± 33	15 ± 33	28 ± 38	15 ± 33
CD3 + IL-23R	4 ± 6	1 ± 3	1 ± 3	12 ± 22	1 ± 3
CD3 + Ki67	17 ± 28	11 ± 26	11 ± 26	11 ± 26	11 ± 26
CD3 + PI	503 ± 968	108 ± 205	110 ± 204	262 ± 366	128 ± 197
CD3 + Podoplanin	68 ± 117	29 ± 76	29 ± 76	406 ± 982	29 ± 76
CD3 + SNA1	356 ± 719	45 ± 92	46 ± 92	266 ± 533	54 ± 89
CD3 + STAT3	12 ± 23	2 ± 4	2 ± 4	8 ± 11	2 ± 4
CD3 + TIA1	26 ± 30	18 ± 32	19 ± 31	39 ± 58	20 ± 30
CD3 + Vimentin	420 ± 705	138 ± 314	142 ± 313	269 ± 389	148 ± 310

Tabelle 661: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	9 ± 13	4 ± 12	4 ± 12	5 ± 12	4 ± 12
CD31 + BCL2	4 ± 7	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD31 + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD11a	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD31 + CD11b	3 ± 6	2 ± 6	2 ± 6	3 ± 6	2 ± 6
CD31 + CD120a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD120b	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD31 + CD138	3 ± 5	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	1 ± 2	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD31 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD28	4 ± 8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD29	86 ± 117	22 ± 37	22 ± 37	26 ± 36	24 ± 36
CD31 + CD3	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD31 + CD4	28 ± 46	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CD31 + CD44	24 ± 39	4 ± 7	4 ± 7	4 ± 7	4 ± 7
CD31 + CD45	3 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD31 + CD45RA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD31 + CD45RO	2 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD54	75 ± 113	14 ± 25	14 ± 25	20 ± 26	15 ± 25
CD31 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD58	26 ± 33	10 ± 19	10 ± 19	10 ± 18	10 ± 19
CD31 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD31 + CD68	20 ± 26	18 ± 27	18 ± 27	18 ± 27	19 ± 27
CD31 + CD7	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD31 + CK14	34 ± 51	10 ± 14	10 ± 14	11 ± 13	14 ± 15
CD31 + CLA	1 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD31 + c-myc	57 ± 86	14 ± 32	14 ± 32	15 ± 32	17 ± 32
CD31 + Collagen IV	81 ± 107	22 ± 36	22 ± 36	34 ± 40	26 ± 35
CD31 + FXIIIA	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD31 + HLA-DR	51 ± 76	9 ± 13	9 ± 13	9 ± 13	9 ± 13
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	4 ± 11	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD31 + Ki67	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + PI	33 ± 44	9 ± 12	9 ± 12	9 ± 12	9 ± 12
CD31 + Podoplanin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD31 + SNA1	89 ± 123	22 ± 34	22 ± 34	32 ± 36	25 ± 33
CD31 + STAT3	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD31 + TIA1	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + Vimentin	50 ± 63	13 ± 31	13 ± 31	17 ± 31	16 ± 30

Tabelle 662: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	3 ± 5	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD4 + BCL2	60 ± 124	7 ± 9	6 ± 10	23 ± 41	6 ± 10
CD4 + CCR6	40 ± 77	12 ± 31	12 ± 31	25 ± 41	12 ± 30
CD4 + CD11a	520 ± 1114	72 ± 160	72 ± 160	290 ± 565	73 ± 159
CD4 + CD11b	83 ± 123	40 ± 97	41 ± 96	48 ± 95	42 ± 96
CD4 + CD120a	8 ± 10	3 ± 7	3 ± 7	16 ± 32	3 ± 7
CD4 + CD120b	24 ± 42	7 ± 19	7 ± 19	27 ± 52	8 ± 19
CD4 + CD138	334 ± 816	20 ± 48	19 ± 49	34 ± 53	19 ± 49
CD4 + CD15	4 ± 11	0 ± 0	0 ± 0	6 ± 15	0 ± 0
CD4 + CD1a	21 ± 38	8 ± 19	8 ± 19	28 ± 52	8 ± 19
CD4 + CD2	437 ± 968	60 ± 134	61 ± 133	153 ± 253	63 ± 132
CD4 + CD207	25 ± 52	5 ± 7	5 ± 7	21 ± 36	5 ± 7
CD4 + CD24	6 ± 14	5 ± 14	5 ± 14	9 ± 16	5 ± 14
CD4 + CD28	420 ± 1003	26 ± 60	27 ± 60	54 ± 84	29 ± 60
CD4 + CD29	661 ± 1424	94 ± 223	94 ± 223	191 ± 304	94 ± 223
CD4 + CD3	426 ± 887	69 ± 151	69 ± 151	234 ± 426	72 ± 149
CD4 + CD31	28 ± 46	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CD4 + CD44	580 ± 1205	92 ± 193	94 ± 192	339 ± 631	95 ± 192
CD4 + CD45	519 ± 1199	43 ± 96	44 ± 95	230 ± 482	44 ± 95
CD4 + CD45RA	58 ± 119	12 ± 29	12 ± 29	83 ± 187	12 ± 29
CD4 + CD45RO	368 ± 827	42 ± 111	43 ± 111	110 ± 192	42 ± 111
CD4 + CD52	53 ± 106	10 ± 23	10 ± 23	64 ± 139	11 ± 23
CD4 + CD54	519 ± 1126	78 ± 204	78 ± 204	245 ± 455	78 ± 204
CD4 + CD56	7 ± 14	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD4 + CD58	93 ± 135	48 ± 125	48 ± 125	115 ± 199	48 ± 125
CD4 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD4 + CD62P	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD4 + CD68	103 ± 157	70 ± 151	70 ± 151	92 ± 149	72 ± 150
CD4 + CD7	338 ± 755	39 ± 96	40 ± 96	149 ± 288	41 ± 95
CD4 + CD8a	29 ± 45	12 ± 26	12 ± 26	24 ± 37	13 ± 26
CD4 + CK14	617 ± 1232	119 ± 237	120 ± 236	298 ± 472	124 ± 234
CD4 + CLA	82 ± 133	27 ± 53	27 ± 53	58 ± 84	29 ± 52
CD4 + c-myc	274 ± 455	77 ± 185	79 ± 184	318 ± 628	82 ± 183
CD4 + Collagen IV	204 ± 316	63 ± 142	65 ± 141	152 ± 247	68 ± 140
CD4 + FXIIIA	9 ± 20	8 ± 20	8 ± 20	10 ± 20	8 ± 20
CD4 + HLA-DR	452 ± 867	90 ± 193	92 ± 192	233 ± 375	91 ± 192
CD4 + IL-22R	14 ± 21	7 ± 14	7 ± 14	9 ± 13	7 ± 13
CD4 + IL-23R	8 ± 14	6 ± 14	5 ± 14	26 ± 53	5 ± 14
CD4 + Ki67	6 ± 10	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD4 + PI	411 ± 916	49 ± 104	49 ± 104	157 ± 279	50 ± 104
CD4 + Podoplanin	40 ± 70	15 ± 37	15 ± 37	129 ± 296	15 ± 37
CD4 + SNA1	481 ± 986	70 ± 143	71 ± 142	204 ± 352	75 ± 140
CD4 + STAT3	11 ± 26	2 ± 3	0 ± 1	1 ± 2	0 ± 1
CD4 + TIA1	8 ± 12	2 ± 5	2 ± 5	8 ± 17	2 ± 5
CD4 + Vimentin	346 ± 627	92 ± 222	93 ± 221	212 ± 345	94 ± 221

Tabelle 663: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	2 ± 3	0 ± 1	1 ± 2	0 ± 1	0 ± 1
CD44 + BCL2	740 ± 658	411 ± 343	323 ± 321	355 ± 301	301 ± 336
CD44 + CCR6	85 ± 136	31 ± 42	38 ± 42	134 ± 184	35 ± 42
CD44 + CD11a	826 ± 1476	149 ± 298	154 ± 295	450 ± 761	154 ± 295
CD44 + CD11b	205 ± 286	121 ± 291	122 ± 290	183 ± 300	123 ± 290
CD44 + CD120a	58 ± 31	46 ± 27	46 ± 25	91 ± 77	130 ± 212
CD44 + CD120b	45 ± 80	13 ± 31	13 ± 31	65 ± 124	14 ± 31
CD44 + CD138	8422 ± 10340	3207 ± 3026	3590 ± 2984	4826 ± 3791	2936 ± 2861
CD44 + CD15	10 ± 14	13 ± 16	8 ± 14	64 ± 96	8 ± 14
CD44 + CD1a	135 ± 166	124 ± 123	84 ± 84	197 ± 267	102 ± 89
CD44 + CD2	647 ± 1250	135 ± 239	145 ± 234	348 ± 526	139 ± 236
CD44 + CD207	165 ± 186	149 ± 86	144 ± 83	292 ± 354	107 ± 58
CD44 + CD24	89 ± 205	78 ± 207	82 ± 206	111 ± 205	79 ± 207
CD44 + CD28	529 ± 1258	37 ± 78	37 ± 78	90 ± 142	38 ± 77
CD44 + CD29	8811 ± 10170	3612 ± 4532	4026 ± 4724	5885 ± 6626	3442 ± 4469
CD44 + CD3	643 ± 1173	159 ± 353	164 ± 350	643 ± 1206	164 ± 350
CD44 + CD31	24 ± 39	4 ± 7	4 ± 7	4 ± 7	4 ± 7
CD44 + CD4	580 ± 1205	92 ± 193	94 ± 192	339 ± 631	95 ± 192
CD44 + CD45	837 ± 1825	72 ± 140	78 ± 137	533 ± 1195	72 ± 140
CD44 + CD45RA	192 ± 331	61 ± 148	64 ± 147	167 ± 285	63 ± 147
CD44 + CD45RO	491 ± 1064	58 ± 150	62 ± 149	201 ± 370	58 ± 150
CD44 + CD52	60 ± 119	11 ± 23	11 ± 23	539 ± 1388	11 ± 23
CD44 + CD54	1899 ± 3892	396 ± 1030	396 ± 1029	915 ± 1570	396 ± 1029
CD44 + CD56	14 ± 21	3 ± 4	5 ± 8	15 ± 30	4 ± 5
CD44 + CD58	2677 ± 3219	1845 ± 3021	1569 ± 3099	2736 ± 3972	1609 ± 3078
CD44 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD44 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD44 + CD68	519 ± 483	474 ± 467	490 ± 456	526 ± 447	462 ± 475
CD44 + CD7	586 ± 1135	93 ± 219	112 ± 216	451 ± 897	94 ± 219
CD44 + CD8a	250 ± 294	81 ± 161	85 ± 160	165 ± 240	87 ± 158
CD44 + CK14	14030 ± 14341	6802 ± 7508	8411 ± 8097	11746 ± 10985	7035 ± 7293
CD44 + CLA	308 ± 411	127 ± 214	140 ± 210	218 ± 247	141 ± 208
CD44 + c-myc	2733 ± 2313	1340 ± 1637	1484 ± 1557	2303 ± 2252	1476 ± 1548
CD44 + Collagen IV	1203 ± 1225	647 ± 923	774 ± 952	1040 ± 1215	622 ± 916
CD44 + FXIIIA	10 ± 17	9 ± 18	14 ± 17	19 ± 29	10 ± 17
CD44 + HLA-DR	5253 ± 6127	2425 ± 3784	2484 ± 3730	4189 ± 4410	2309 ± 3762
CD44 + IL-22R	1267 ± 1026	1382 ± 998	1064 ± 1171	1292 ± 1022	1478 ± 945
CD44 + IL-23R	408 ± 568	574 ± 1046	171 ± 347	383 ± 441	184 ± 341
CD44 + Ki67	532 ± 477	367 ± 387	262 ± 401	324 ± 393	311 ± 375
CD44 + PI	4405 ± 4832	2301 ± 1622	2712 ± 1998	3280 ± 2047	2114 ± 1570
CD44 + Podoplanin	1887 ± 3108	912 ± 2340	909 ± 2341	3912 ± 7893	910 ± 2341
CD44 + SNA1	3730 ± 4956	1028 ± 1353	1043 ± 1287	1668 ± 2217	777 ± 1220
CD44 + STAT3	725 ± 838	1104 ± 1835	372 ± 374	547 ± 459	374 ± 362
CD44 + TIA1	32 ± 39	12 ± 25	14 ± 25	53 ± 107	12 ± 24
CD44 + Vimentin	2282 ± 2560	1207 ± 1639	1546 ± 1765	1872 ± 1838	1144 ± 1644

Tabelle 664: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + BCL2	85 ± 184	7 ± 8	6 ± 9	21 ± 36	6 ± 9
CD45 + CCR6	49 ± 99	12 ± 31	12 ± 31	35 ± 62	12 ± 31
CD45 + CD11a	680 ± 1396	77 ± 153	79 ± 152	292 ± 557	77 ± 153
CD45 + CD11b	100 ± 147	26 ± 67	26 ± 67	47 ± 80	26 ± 67
CD45 + CD120a	14 ± 17	6 ± 9	7 ± 9	30 ± 65	7 ± 10
CD45 + CD120b	25 ± 44	6 ± 15	6 ± 15	57 ± 133	7 ± 15
CD45 + CD138	468 ± 1131	16 ± 34	17 ± 34	149 ± 343	17 ± 34
CD45 + CD15	6 ± 16	1 ± 2	0 ± 0	21 ± 53	0 ± 0
CD45 + CD1a	42 ± 80	13 ± 25	14 ± 25	48 ± 95	13 ± 26
CD45 + CD2	571 ± 1274	62 ± 116	66 ± 115	192 ± 336	64 ± 115
CD45 + CD207	47 ± 104	8 ± 10	13 ± 12	43 ± 92	8 ± 11
CD45 + CD24	4 ± 7	3 ± 7	3 ± 7	18 ± 39	3 ± 7
CD45 + CD28	477 ± 1168	24 ± 49	24 ± 49	85 ± 162	24 ± 49
CD45 + CD29	804 ± 1826	61 ± 137	65 ± 135	459 ± 1036	62 ± 136
CD45 + CD3	513 ± 1074	69 ± 140	72 ± 139	383 ± 810	70 ± 139
CD45 + CD31	3 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45 + CD4	519 ± 1199	43 ± 96	44 ± 95	230 ± 482	44 ± 95
CD45 + CD44	837 ± 1825	72 ± 140	78 ± 137	533 ± 1195	72 ± 140
CD45 + CD45RA	91 ± 193	14 ± 30	14 ± 30	74 ± 157	15 ± 30
CD45 + CD45RO	530 ± 1210	45 ± 116	49 ± 115	145 ± 270	45 ± 116
CD45 + CD52	62 ± 125	11 ± 25	10 ± 25	224 ± 560	11 ± 25
CD45 + CD54	624 ± 1475	55 ± 145	55 ± 145	221 ± 438	55 ± 145
CD45 + CD56	3 ± 7	0 ± 1	0 ± 0	1 ± 1	0 ± 0
CD45 + CD58	110 ± 138	37 ± 87	35 ± 87	374 ± 886	36 ± 87
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	104 ± 169	44 ± 94	46 ± 94	60 ± 96	44 ± 95
CD45 + CD7	439 ± 964	36 ± 80	39 ± 79	269 ± 606	37 ± 80
CD45 + CD8a	137 ± 203	27 ± 45	26 ± 46	117 ± 233	27 ± 45
CD45 + CK14	766 ± 1642	63 ± 102	69 ± 100	524 ± 1198	65 ± 102
CD45 + CLA	138 ± 263	27 ± 41	30 ± 40	74 ± 118	29 ± 40
CD45 + c-myc	231 ± 439	15 ± 35	16 ± 35	315 ± 786	17 ± 34
CD45 + Collagen IV	146 ± 271	15 ± 31	16 ± 31	153 ± 361	16 ± 31
CD45 + FXIIIA	4 ± 7	3 ± 7	3 ± 7	7 ± 11	3 ± 7
CD45 + HLA-DR	645 ± 1349	65 ± 139	71 ± 137	249 ± 471	66 ± 139
CD45 + IL-22R	20 ± 33	7 ± 10	7 ± 11	24 ± 44	8 ± 10
CD45 + IL-23R	11 ± 16	4 ± 8	4 ± 8	37 ± 85	5 ± 8
CD45 + Ki67	12 ± 22	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD45 + PI	566 ± 1308	37 ± 57	37 ± 57	190 ± 392	38 ± 57
CD45 + Podoplanin	44 ± 97	6 ± 15	6 ± 15	392 ± 1018	6 ± 15
CD45 + SNA1	610 ± 1340	31 ± 69	36 ± 68	212 ± 476	31 ± 69
CD45 + STAT3	22 ± 46	2 ± 2	1 ± 2	4 ± 6	1 ± 2
CD45 + TIA1	20 ± 25	5 ± 11	5 ± 11	30 ± 64	6 ± 11
CD45 + Vimentin	467 ± 995	60 ± 130	67 ± 128	171 ± 298	60 ± 130

Tabelle 665: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	0 ± 0	0 ± 0	0 ± 1	0 ± 0	0 ± 0
CD45RA + BCL2	40 ± 50	20 ± 25	20 ± 25	22 ± 23	21 ± 24
CD45RA + CCR6	7 ± 11	2 ± 4	3 ± 4	6 ± 8	3 ± 4
CD45RA + CD11a	133 ± 197	54 ± 108	55 ± 107	157 ± 268	61 ± 104
CD45RA + CD11b	25 ± 44	18 ± 45	18 ± 45	22 ± 45	18 ± 45
CD45RA + CD120a	3 ± 5	1 ± 1	1 ± 1	3 ± 6	1 ± 1
CD45RA + CD120b	15 ± 28	4 ± 11	4 ± 10	6 ± 11	6 ± 10
CD45RA + CD138	83 ± 146	25 ± 52	26 ± 51	36 ± 53	26 ± 52
CD45RA + CD15	0 ± 1	0 ± 1	0 ± 1	2 ± 5	0 ± 1
CD45RA + CD1a	9 ± 15	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CD45RA + CD2	72 ± 97	33 ± 47	33 ± 47	62 ± 77	37 ± 44
CD45RA + CD207	13 ± 28	2 ± 6	2 ± 6	3 ± 6	2 ± 6
CD45RA + CD24	11 ± 18	6 ± 13	7 ± 13	6 ± 13	6 ± 13
CD45RA + CD28	36 ± 85	3 ± 7	3 ± 7	5 ± 8	4 ± 7
CD45RA + CD29	206 ± 329	80 ± 168	83 ± 166	117 ± 173	85 ± 165
CD45RA + CD3	69 ± 92	38 ± 71	38 ± 71	71 ± 99	44 ± 68
CD45RA + CD31	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD4	58 ± 119	12 ± 29	12 ± 29	83 ± 187	12 ± 29
CD45RA + CD44	192 ± 331	61 ± 148	64 ± 147	167 ± 285	63 ± 147
CD45RA + CD45	91 ± 193	14 ± 30	14 ± 30	74 ± 157	15 ± 30
CD45RA + CD45RO	32 ± 66	5 ± 14	5 ± 14	8 ± 14	5 ± 14
CD45RA + CD52	5 ± 10	1 ± 3	1 ± 3	16 ± 38	2 ± 3
CD45RA + CD54	152 ± 276	51 ± 135	51 ± 135	115 ± 199	51 ± 135
CD45RA + CD56	3 ± 4	1 ± 2	1 ± 2	6 ± 14	1 ± 2
CD45RA + CD58	40 ± 80	31 ± 81	31 ± 81	54 ± 93	31 ± 81
CD45RA + CD62E	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD45RA + CD62P	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD45RA + CD68	53 ± 91	45 ± 93	45 ± 93	62 ± 94	51 ± 91
CD45RA + CD7	77 ± 121	38 ± 87	40 ± 86	67 ± 100	40 ± 86
CD45RA + CD8a	60 ± 73	42 ± 73	42 ± 73	55 ± 73	46 ± 71
CD45RA + CK14	227 ± 295	122 ± 228	124 ± 226	202 ± 267	135 ± 221
CD45RA + CLA	96 ± 139	40 ± 71	41 ± 71	67 ± 84	48 ± 67
CD45RA + c-myc	104 ± 157	47 ± 111	47 ± 110	164 ± 308	53 ± 108
CD45RA + Collagen IV	71 ± 102	36 ± 83	37 ± 83	76 ± 120	41 ± 81
CD45RA + FXIIIA	5 ± 12	5 ± 12	5 ± 12	7 ± 13	5 ± 12
CD45RA + HLA-DR	180 ± 283	66 ± 148	68 ± 147	120 ± 175	69 ± 147
CD45RA + IL-22R	7 ± 15	6 ± 15	6 ± 15	6 ± 15	6 ± 15
CD45RA + IL-23R	2 ± 3	2 ± 3	2 ± 3	3 ± 4	2 ± 3
CD45RA + Ki67	12 ± 20	8 ± 19	8 ± 19	8 ± 19	8 ± 19
CD45RA + PI	161 ± 269	53 ± 93	54 ± 93	131 ± 198	64 ± 89
CD45RA + Podoplanin	25 ± 40	12 ± 33	13 ± 33	52 ± 104	12 ± 33
CD45RA + SNA1	136 ± 249	32 ± 62	34 ± 61	82 ± 130	35 ± 60
CD45RA + STAT3	2 ± 4	1 ± 4	2 ± 4	1 ± 4	1 ± 4
CD45RA + TIA1	16 ± 16	10 ± 17	11 ± 16	15 ± 17	11 ± 16
CD45RA + Vimentin	134 ± 208	61 ± 144	61 ± 144	106 ± 166	62 ± 143

Tabelle 666: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	0 ± 1	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD45RO + BCL2	61 ± 138	3 ± 8	3 ± 8	8 ± 13	3 ± 8
CD45RO + CCR6	42 ± 79	12 ± 33	13 ± 32	22 ± 36	12 ± 33
CD45RO + CD11a	452 ± 963	57 ± 149	59 ± 148	109 ± 182	57 ± 149
CD45RO + CD11b	82 ± 130	32 ± 85	32 ± 85	54 ± 94	32 ± 85
CD45RO + CD120a	11 ± 19	10 ± 19	9 ± 19	17 ± 27	7 ± 19
CD45RO + CD120b	18 ± 30	7 ± 16	6 ± 16	19 ± 36	6 ± 16
CD45RO + CD138	292 ± 697	18 ± 47	21 ± 47	49 ± 80	18 ± 47
CD45RO + CD15	7 ± 18	0 ± 0	0 ± 0	15 ± 37	0 ± 0
CD45RO + CD1a	26 ± 46	11 ± 28	12 ± 28	27 ± 45	11 ± 28
CD45RO + CD2	505 ± 1142	58 ± 149	61 ± 148	131 ± 222	58 ± 149
CD45RO + CD207	24 ± 58	2 ± 6	7 ± 13	12 ± 22	2 ± 6
CD45RO + CD24	6 ± 15	6 ± 15	6 ± 15	15 ± 27	6 ± 15
CD45RO + CD28	345 ± 825	24 ± 58	23 ± 58	42 ± 70	22 ± 59
CD45RO + CD29	559 ± 1234	65 ± 164	69 ± 163	157 ± 268	64 ± 165
CD45RO + CD3	366 ± 760	58 ± 150	62 ± 149	155 ± 267	58 ± 150
CD45RO + CD31	2 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD45RO + CD4	368 ± 827	42 ± 111	43 ± 111	110 ± 192	42 ± 111
CD45RO + CD44	491 ± 1064	58 ± 150	62 ± 149	201 ± 370	58 ± 150
CD45RO + CD45	530 ± 1210	45 ± 116	49 ± 115	145 ± 270	45 ± 116
CD45RO + CD45RA	32 ± 66	5 ± 14	5 ± 14	8 ± 14	5 ± 14
CD45RO + CD52	52 ± 107	9 ± 24	9 ± 24	48 ± 102	9 ± 24
CD45RO + CD54	418 ± 935	57 ± 151	57 ± 151	95 ± 167	57 ± 151
CD45RO + CD56	2 ± 3	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD45RO + CD58	69 ± 97	34 ± 89	34 ± 89	80 ± 139	34 ± 89
CD45RO + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CD68	99 ± 165	49 ± 121	49 ± 121	59 ± 120	47 ± 122
CD45RO + CD7	319 ± 705	31 ± 81	32 ± 81	98 ± 181	31 ± 81
CD45RO + CD8a	61 ± 108	12 ± 31	12 ± 31	29 ± 49	12 ± 31
CD45RO + CK14	457 ± 991	50 ± 118	54 ± 117	137 ± 236	47 ± 119
CD45RO + CLA	82 ± 167	14 ± 35	19 ± 35	33 ± 55	14 ± 35
CD45RO + c-myc	124 ± 234	15 ± 40	16 ± 40	75 ± 154	15 ± 40
CD45RO + Collagen IV	80 ± 145	13 ± 33	14 ± 32	39 ± 69	13 ± 33
CD45RO + FXIIIA	4 ± 8	3 ± 8	4 ± 8	4 ± 8	3 ± 8
CD45RO + HLA-DR	399 ± 816	59 ± 155	63 ± 153	119 ± 191	59 ± 155
CD45RO + IL-22R	9 ± 15	6 ± 10	4 ± 9	7 ± 10	4 ± 9
CD45RO + IL-23R	9 ± 14	5 ± 12	5 ± 12	28 ± 59	5 ± 12
CD45RO + Ki67	9 ± 18	4 ± 8	3 ± 8	3 ± 8	3 ± 8
CD45RO + PI	417 ± 966	38 ± 87	37 ± 88	68 ± 106	35 ± 89
CD45RO + Podoplanin	23 ± 38	11 ± 28	12 ± 28	67 ± 144	11 ± 28
CD45RO + SNA1	411 ± 927	29 ± 76	34 ± 75	105 ± 201	29 ± 76
CD45RO + STAT3	11 ± 25	0 ± 0	1 ± 3	7 ± 17	0 ± 0
CD45RO + TIA1	10 ± 13	3 ± 8	3 ± 8	16 ± 34	3 ± 8
CD45RO + Vimentin	379 ± 778	65 ± 170	71 ± 168	112 ± 188	65 ± 170

Tabelle 667: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + BCL2	12 ± 21	3 ± 4	3 ± 4	17 ± 36	3 ± 4
CD52 + CCR6	18 ± 33	6 ± 15	6 ± 15	31 ± 65	6 ± 15
CD52 + CD11a	64 ± 121	13 ± 27	13 ± 27	79 ± 171	14 ± 27
CD52 + CD11b	4 ± 7	3 ± 7	3 ± 7	22 ± 50	3 ± 7
CD52 + CD120a	1 ± 2	0 ± 0	0 ± 0	4 ± 10	1 ± 1
CD52 + CD120b	3 ± 5	2 ± 4	2 ± 4	26 ± 64	2 ± 4
CD52 + CD138	28 ± 63	5 ± 8	4 ± 8	275 ± 712	4 ± 8
CD52 + CD15	0 ± 0	0 ± 0	0 ± 0	20 ± 53	0 ± 0
CD52 + CD1a	1 ± 3	0 ± 0	0 ± 0	4 ± 10	0 ± 1
CD52 + CD2	65 ± 126	15 ± 29	14 ± 30	86 ± 186	16 ± 29
CD52 + CD207	1 ± 3	0 ± 0	0 ± 0	6 ± 13	0 ± 1
CD52 + CD24	1 ± 2	1 ± 2	1 ± 2	17 ± 43	1 ± 2
CD52 + CD28	52 ± 107	9 ± 18	8 ± 18	42 ± 88	9 ± 18
CD52 + CD29	56 ± 109	13 ± 24	13 ± 25	441 ± 1128	13 ± 24
CD52 + CD3	62 ± 116	15 ± 30	14 ± 30	211 ± 507	15 ± 30
CD52 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD4	53 ± 106	10 ± 23	10 ± 23	64 ± 139	11 ± 23
CD52 + CD44	60 ± 119	11 ± 23	11 ± 23	539 ± 1388	11 ± 23
CD52 + CD45	62 ± 125	11 ± 25	10 ± 25	224 ± 560	11 ± 25
CD52 + CD45RA	5 ± 10	1 ± 3	1 ± 3	16 ± 38	2 ± 3
CD52 + CD45RO	52 ± 107	9 ± 24	9 ± 24	48 ± 102	9 ± 24
CD52 + CD54	39 ± 83	7 ± 18	7 ± 18	102 ± 250	7 ± 18
CD52 + CD56	0 ± 0	0 ± 0	0 ± 0	3 ± 8	0 ± 0
CD52 + CD58	11 ± 17	7 ± 16	6 ± 16	663 ± 1736	7 ± 16
CD52 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD52 + CD68	13 ± 23	12 ± 24	12 ± 24	14 ± 23	12 ± 24
CD52 + CD7	47 ± 96	8 ± 17	7 ± 18	150 ± 369	8 ± 17
CD52 + CD8a	22 ± 31	8 ± 16	8 ± 16	64 ± 136	8 ± 16
CD52 + CK14	48 ± 82	13 ± 17	11 ± 18	726 ± 1880	13 ± 17
CD52 + CLA	16 ± 25	7 ± 14	7 ± 14	30 ± 58	8 ± 14
CD52 + c-myc	19 ± 32	3 ± 4	2 ± 4	317 ± 825	3 ± 3
CD52 + Collagen IV	16 ± 22	3 ± 5	3 ± 5	193 ± 491	4 ± 5
CD52 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD52 + HLA-DR	46 ± 81	11 ± 26	11 ± 26	173 ± 418	11 ± 26
CD52 + IL-22R	1 ± 2	0 ± 1	0 ± 1	30 ± 79	1 ± 1
CD52 + IL-23R	0 ± 1	0 ± 0	0 ± 0	22 ± 58	0 ± 0
CD52 + Ki67	1 ± 2	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD52 + PI	43 ± 94	7 ± 9	6 ± 9	122 ± 299	7 ± 9
CD52 + Podoplanin	3 ± 5	1 ± 3	1 ± 3	673 ± 1777	1 ± 3
CD52 + SNA1	49 ± 95	7 ± 13	7 ± 13	178 ± 438	8 ± 13
CD52 + STAT3	1 ± 3	1 ± 1	0 ± 0	9 ± 23	0 ± 0
CD52 + TIA1	4 ± 5	2 ± 4	2 ± 4	24 ± 57	2 ± 4
CD52 + Vimentin	45 ± 87	12 ± 25	11 ± 25	94 ± 213	12 ± 25

Tabelle 668: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	11 ± 14	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD54 + BCL2	177 ± 438	9 ± 22	9 ± 22	39 ± 79	9 ± 22
CD54 + CCR6	39 ± 78	10 ± 26	10 ± 26	33 ± 63	10 ± 26
CD54 + CD11a	563 ± 1174	110 ± 292	110 ± 292	302 ± 541	110 ± 292
CD54 + CD11b	171 ± 288	95 ± 251	95 ± 251	103 ± 248	95 ± 251
CD54 + CD120a	19 ± 29	9 ± 23	9 ± 23	36 ± 71	9 ± 23
CD54 + CD120b	26 ± 50	7 ± 18	7 ± 18	10 ± 19	7 ± 18
CD54 + CD138	1109 ± 2330	217 ± 566	217 ± 566	340 ± 603	217 ± 566
CD54 + CD15	10 ± 27	0 ± 1	0 ± 1	4 ± 11	0 ± 1
CD54 + CD1a	65 ± 112	36 ± 96	36 ± 96	75 ± 128	36 ± 96
CD54 + CD2	463 ± 1014	74 ± 196	74 ± 196	130 ± 224	74 ± 196
CD54 + CD207	52 ± 112	9 ± 24	9 ± 24	40 ± 81	9 ± 24
CD54 + CD24	44 ± 103	40 ± 105	40 ± 105	45 ± 103	40 ± 105
CD54 + CD28	411 ± 1011	22 ± 59	22 ± 59	32 ± 60	22 ± 58
CD54 + CD29	1931 ± 3800	454 ± 1183	454 ± 1183	730 ± 1281	454 ± 1183
CD54 + CD3	406 ± 805	99 ± 261	99 ± 261	201 ± 341	99 ± 261
CD54 + CD31	75 ± 113	14 ± 25	14 ± 25	20 ± 26	15 ± 25
CD54 + CD4	519 ± 1126	78 ± 204	78 ± 204	245 ± 455	78 ± 204
CD54 + CD44	1899 ± 3892	396 ± 1030	396 ± 1029	915 ± 1570	396 ± 1029
CD54 + CD45	624 ± 1475	55 ± 145	55 ± 145	221 ± 438	55 ± 145
CD54 + CD45RA	152 ± 276	51 ± 135	51 ± 135	115 ± 199	51 ± 135
CD54 + CD45RO	418 ± 935	57 ± 151	57 ± 151	95 ± 167	57 ± 151
CD54 + CD52	39 ± 83	7 ± 18	7 ± 18	102 ± 250	7 ± 18
CD54 + CD56	8 ± 17	1 ± 2	1 ± 2	6 ± 13	1 ± 2
CD54 + CD58	312 ± 568	223 ± 578	223 ± 578	502 ± 857	223 ± 578
CD54 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD54 + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD54 + CD68	212 ± 361	129 ± 327	129 ± 327	150 ± 322	129 ± 327
CD54 + CD7	427 ± 920	72 ± 191	72 ± 191	145 ± 247	72 ± 191
CD54 + CD8a	82 ± 152	27 ± 70	27 ± 70	49 ± 84	27 ± 70
CD54 + CK14	2441 ± 4937	547 ± 1417	548 ± 1416	1203 ± 2042	548 ± 1416
CD54 + CLA	139 ± 283	30 ± 80	30 ± 80	54 ± 93	30 ± 80
CD54 + c-myc	550 ± 1032	135 ± 341	135 ± 341	538 ± 1059	135 ± 341
CD54 + Collagen IV	431 ± 730	120 ± 289	121 ± 289	294 ± 494	121 ± 289
CD54 + FXIIIA	17 ± 39	16 ± 40	16 ± 40	19 ± 39	16 ± 40
CD54 + HLA-DR	1338 ± 2584	326 ± 841	327 ± 841	588 ± 991	327 ± 840
CD54 + IL-22R	74 ± 137	50 ± 131	50 ± 131	57 ± 130	50 ± 131
CD54 + IL-23R	28 ± 50	10 ± 26	10 ± 26	108 ± 255	10 ± 26
CD54 + Ki67	66 ± 113	33 ± 87	33 ± 87	35 ± 86	33 ± 87
CD54 + PI	1024 ± 2327	120 ± 303	120 ± 303	260 ± 435	120 ± 303
CD54 + Podoplanin	751 ± 1551	159 ± 418	159 ± 418	643 ± 1279	159 ± 418
CD54 + SNA1	939 ± 1972	139 ± 339	140 ± 339	334 ± 560	140 ± 339
CD54 + STAT3	33 ± 87	0 ± 1	0 ± 1	4 ± 9	0 ± 1
CD54 + TIA1	15 ± 23	5 ± 14	5 ± 14	17 ± 31	5 ± 14
CD54 + Vimentin	708 ± 1246	234 ± 609	234 ± 609	462 ± 779	235 ± 608

Tabelle 669: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	2 ± 5	0 ± 1	68 ± 178	0 ± 1	0 ± 1
CD56 + BCL2	8 ± 17	1 ± 2	1 ± 2	2 ± 4	1 ± 2
CD56 + CCR6	1 ± 1	1 ± 1	28 ± 71	1 ± 2	1 ± 1
CD56 + CD11a	4 ± 8	0 ± 1	0 ± 0	4 ± 10	0 ± 1
CD56 + CD11b	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD120a	0 ± 0	0 ± 0	0 ± 1	1 ± 1	0 ± 0
CD56 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD138	10 ± 15	4 ± 9	111 ± 282	7 ± 12	4 ± 9
CD56 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	4 ± 11	0 ± 0	0 ± 0	6 ± 15	0 ± 0
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD56 + CD29	35 ± 40	11 ± 11	120 ± 280	37 ± 63	16 ± 13
CD56 + CD3	0 ± 0	0 ± 0	0 ± 0	1 ± 3	1 ± 2
CD56 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD4	7 ± 14	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD56 + CD44	14 ± 21	3 ± 4	5 ± 8	15 ± 30	4 ± 5
CD56 + CD45	3 ± 7	0 ± 1	0 ± 0	1 ± 1	0 ± 0
CD56 + CD45RA	3 ± 4	1 ± 2	1 ± 2	6 ± 14	1 ± 2
CD56 + CD45RO	2 ± 3	0 ± 0	1 ± 3	0 ± 0	0 ± 0
CD56 + CD52	0 ± 0	0 ± 0	0 ± 0	3 ± 8	0 ± 0
CD56 + CD54	8 ± 17	1 ± 2	1 ± 2	6 ± 13	1 ± 2
CD56 + CD58	3 ± 4	1 ± 3	1 ± 3	14 ± 34	3 ± 4
CD56 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	9 ± 8	4 ± 6	7 ± 8	5 ± 5	11 ± 18
CD56 + CD7	4 ± 11	0 ± 1	1 ± 2	5 ± 11	0 ± 1
CD56 + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CK14	38 ± 28	21 ± 22	135 ± 288	46 ± 60	33 ± 31
CD56 + CLA	0 ± 1	0 ± 0	1 ± 1	1 ± 2	0 ± 0
CD56 + c-myc	40 ± 51	17 ± 35	130 ± 293	92 ± 193	21 ± 34
CD56 + Collagen IV	32 ± 34	18 ± 31	27 ± 33	84 ± 169	25 ± 34
CD56 + FXIIIA	3 ± 5	0 ± 1	15 ± 38	0 ± 1	0 ± 1
CD56 + HLA-DR	11 ± 14	2 ± 4	14 ± 29	11 ± 21	3 ± 4
CD56 + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + IL-23R	2 ± 4	0 ± 0	0 ± 0	2 ± 4	0 ± 0
CD56 + Ki67	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
CD56 + PI	16 ± 23	5 ± 8	85 ± 209	14 ± 22	7 ± 8
CD56 + Podoplanin	3 ± 4	1 ± 2	48 ± 123	15 ± 37	2 ± 3
CD56 + SNA1	29 ± 38	8 ± 9	11 ± 8	64 ± 146	16 ± 21
CD56 + STAT3	4 ± 9	0 ± 1	113 ± 297	0 ± 1	0 ± 1
CD56 + TIA1	0 ± 1	0 ± 0	1 ± 3	3 ± 7	0 ± 0
CD56 + Vimentin	15 ± 13	6 ± 5	17 ± 28	30 ± 62	6 ± 5

Tabelle 670: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	6 ± 11	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD58 + BCL2	172 ± 214	279 ± 479	76 ± 106	116 ± 116	78 ± 105
CD58 + CCR6	18 ± 24	27 ± 41	12 ± 24	62 ± 120	13 ± 24
CD58 + CD11a	160 ± 213	81 ± 204	81 ± 205	157 ± 260	81 ± 204
CD58 + CD11b	48 ± 111	43 ± 112	43 ± 112	48 ± 111	43 ± 112
CD58 + CD120a	20 ± 18	24 ± 26	13 ± 20	35 ± 55	38 ± 62
CD58 + CD120b	9 ± 12	6 ± 11	4 ± 11	49 ± 116	4 ± 11
CD58 + CD138	2232 ± 2262	1373 ± 1464	1008 ± 1530	1908 ± 2539	1051 ± 1504
CD58 + CD15	1 ± 2	7 ± 14	1 ± 2	9 ± 19	1 ± 2
CD58 + CD1a	61 ± 59	127 ± 129	42 ± 55	62 ± 61	56 ± 53
CD58 + CD2	119 ± 178	71 ± 177	70 ± 177	147 ± 242	71 ± 177
CD58 + CD207	40 ± 16	129 ± 194	35 ± 17	50 ± 32	40 ± 15
CD58 + CD24	12 ± 28	11 ± 29	11 ± 29	16 ± 30	11 ± 29
CD58 + CD28	66 ± 103	19 ± 48	19 ± 48	63 ± 119	19 ± 48
CD58 + CD29	2461 ± 3068	1680 ± 2655	1349 ± 2764	2489 ± 3679	1378 ± 2749
CD58 + CD3	142 ± 214	84 ± 215	84 ± 215	338 ± 667	84 ± 215
CD58 + CD31	26 ± 33	10 ± 19	10 ± 19	10 ± 18	10 ± 19
CD58 + CD4	93 ± 135	48 ± 125	48 ± 125	115 ± 199	48 ± 125
CD58 + CD44	2677 ± 3219	1845 ± 3021	1569 ± 3099	2736 ± 3972	1609 ± 3078
CD58 + CD45	110 ± 138	37 ± 87	35 ± 87	374 ± 886	36 ± 87
CD58 + CD45RA	40 ± 80	31 ± 81	31 ± 81	54 ± 93	31 ± 81
CD58 + CD45RO	69 ± 97	34 ± 89	34 ± 89	80 ± 139	34 ± 89
CD58 + CD52	11 ± 17	7 ± 16	6 ± 16	663 ± 1736	7 ± 16
CD58 + CD54	312 ± 568	223 ± 578	223 ± 578	502 ± 857	223 ± 578
CD58 + CD56	3 ± 4	1 ± 3	1 ± 3	14 ± 34	3 ± 4
CD58 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD58 + CD62P	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD58 + CD68	131 ± 256	149 ± 251	124 ± 260	130 ± 257	125 ± 259
CD58 + CD7	118 ± 153	53 ± 137	52 ± 137	261 ± 545	53 ± 137
CD58 + CD8a	94 ± 146	51 ± 131	50 ± 131	101 ± 168	50 ± 131
CD58 + CK14	3840 ± 4889	2879 ± 4708	2395 ± 4888	4658 ± 6994	2458 ± 4856
CD58 + CLA	75 ± 111	56 ± 115	52 ± 117	77 ± 123	55 ± 115
CD58 + c-myc	952 ± 1112	812 ± 1052	638 ± 1053	1550 ± 2356	680 ± 1033
CD58 + Collagen IV	383 ± 690	281 ± 698	276 ± 701	818 ± 1482	278 ± 700
CD58 + FXIIIA	4 ± 12	4 ± 12	4 ± 12	5 ± 11	4 ± 12
CD58 + HLA-DR	1396 ± 1911	1027 ± 1892	865 ± 1908	1269 ± 2006	873 ± 1904
CD58 + IL-22R	544 ± 622	762 ± 626	467 ± 672	564 ± 628	555 ± 617
CD58 + IL-23R	208 ± 261	342 ± 620	95 ± 147	238 ± 290	106 ± 141
CD58 + Ki67	139 ± 195	113 ± 175	88 ± 183	90 ± 182	89 ± 183
CD58 + PI	922 ± 1205	852 ± 1178	595 ± 1244	954 ± 1395	606 ± 1238
CD58 + Podoplanin	561 ± 1324	511 ± 1343	509 ± 1344	2437 ± 5053	509 ± 1344
CD58 + SNA1	1036 ± 1727	370 ± 753	309 ± 768	717 ± 1208	311 ± 768
CD58 + STAT3	438 ± 497	648 ± 734	193 ± 250	232 ± 227	223 ± 239
CD58 + TIA1	13 ± 21	11 ± 20	8 ± 20	21 ± 36	9 ± 20
CD58 + Vimentin	564 ± 954	455 ± 969	412 ± 986	701 ± 1139	415 ± 985

Tabelle 671: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + BCL2	10 ± 16	6 ± 14	6 ± 14	6 ± 14	6 ± 14
CD62E + CCR6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD11a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD11b	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	10 ± 16	6 ± 14	6 ± 14	6 ± 14	6 ± 14
CD62E + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD28	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD29	7 ± 16	7 ± 16	7 ± 16	7 ± 16	7 ± 16
CD62E + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD44	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62E + CD45RO	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD54	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD56	1 ± 3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD62P	3 ± 8	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD62E + CD68	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	10 ± 17	6 ± 15	6 ± 15	6 ± 15	6 ± 15
CD62E + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	5 ± 10	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + Collagen IV	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD62E + FXIIIA	4 ± 8	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + HLA-DR	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD62E + IL-22R	1 ± 2	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD62E + IL-23R	5 ± 10	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62E + STAT3	7 ± 11	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + Vimentin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0

Tabelle 672: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62P + BCL2	12 ± 25	11 ± 25	11 ± 25	11 ± 25	11 ± 25
CD62P + CCR6	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD11b	3 ± 5	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD62P + CD120a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	11 ± 25	10 ± 26	10 ± 26	10 ± 26	10 ± 26
CD62P + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD28	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD62P + CD29	15 ± 31	15 ± 31	14 ± 31	14 ± 31	14 ± 31
CD62P + CD3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD31	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + CD4	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD62P + CD44	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD62P + CD45RO	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD52	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + CD54	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + CD56	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD62P + CD62E	3 ± 8	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD62P + CD68	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD62P + CD7	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CK14	13 ± 31	13 ± 31	12 ± 31	12 ± 31	12 ± 31
CD62P + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + Collagen IV	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + FXIIIA	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + HLA-DR	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD62P + IL-22R	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD62P + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + PI	8 ± 22	9 ± 22	8 ± 22	8 ± 22	8 ± 22
CD62P + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	3 ± 7	3 ± 6	3 ± 7	3 ± 7	3 ± 7
CD62P + STAT3	5 ± 11	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD62P + TIA1	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + Vimentin	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6

Tabelle 673: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	6 ± 11	4 ± 11	5 ± 11	4 ± 11	4 ± 11
CD68 + BCL2	564 ± 480	425 ± 402	403 ± 396	404 ± 403	435 ± 377
CD68 + CCR6	44 ± 64	21 ± 42	26 ± 40	37 ± 46	30 ± 40
CD68 + CD11a	129 ± 178	83 ± 165	85 ± 164	103 ± 160	98 ± 160
CD68 + CD11b	83 ± 163	75 ± 167	75 ± 167	80 ± 164	78 ± 165
CD68 + CD120a	17 ± 22	32 ± 42	17 ± 22	19 ± 22	24 ± 28
CD68 + CD120b	11 ± 18	8 ± 14	5 ± 14	7 ± 13	7 ± 13
CD68 + CD138	275 ± 239	243 ± 204	226 ± 186	246 ± 197	216 ± 189
CD68 + CD15	12 ± 27	48 ± 94	12 ± 27	34 ± 52	12 ± 27
CD68 + CD1a	23 ± 33	45 ± 51	21 ± 32	26 ± 31	25 ± 34
CD68 + CD2	152 ± 186	110 ± 183	113 ± 181	120 ± 177	128 ± 173
CD68 + CD207	29 ± 25	63 ± 74	30 ± 21	36 ± 36	27 ± 15
CD68 + CD24	7 ± 16	7 ± 16	7 ± 16	9 ± 16	7 ± 16
CD68 + CD28	51 ± 84	23 ± 43	21 ± 44	21 ± 44	23 ± 43
CD68 + CD29	1352 ± 1176	1321 ± 1132	1244 ± 1184	1215 ± 1210	1338 ± 1129
CD68 + CD3	108 ± 163	83 ± 164	84 ± 163	94 ± 159	103 ± 157
CD68 + CD31	20 ± 26	18 ± 27	18 ± 27	18 ± 27	19 ± 27
CD68 + CD4	103 ± 157	70 ± 151	70 ± 151	92 ± 149	72 ± 150
CD68 + CD44	519 ± 483	474 ± 467	490 ± 456	526 ± 447	462 ± 475
CD68 + CD45	104 ± 169	44 ± 94	46 ± 94	60 ± 96	44 ± 95
CD68 + CD45RA	53 ± 91	45 ± 93	45 ± 93	62 ± 94	51 ± 91
CD68 + CD45RO	99 ± 165	49 ± 121	49 ± 121	59 ± 120	47 ± 122
CD68 + CD52	13 ± 23	12 ± 24	12 ± 24	14 ± 23	12 ± 24
CD68 + CD54	212 ± 361	129 ± 327	129 ± 327	150 ± 322	129 ± 327
CD68 + CD56	9 ± 8	4 ± 6	7 ± 8	5 ± 5	11 ± 18
CD68 + CD58	131 ± 256	149 ± 251	124 ± 260	130 ± 257	125 ± 259
CD68 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD68 + CD62P	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD68 + CD7	87 ± 131	51 ± 112	51 ± 112	59 ± 109	55 ± 110
CD68 + CD8a	49 ± 76	46 ± 78	45 ± 78	47 ± 77	58 ± 73
CD68 + CK14	1775 ± 1616	2074 ± 1473	1852 ± 1552	1817 ± 1597	2018 ± 1442
CD68 + CLA	71 ± 76	60 ± 75	56 ± 77	69 ± 70	85 ± 75
CD68 + c-myc	596 ± 527	567 ± 551	559 ± 550	529 ± 551	568 ± 524
CD68 + Collagen IV	464 ± 567	600 ± 529	532 ± 550	461 ± 568	500 ± 545
CD68 + FXIIIA	14 ± 26	13 ± 27	15 ± 26	14 ± 26	17 ± 26
CD68 + HLA-DR	398 ± 408	357 ± 395	338 ± 400	446 ± 430	351 ± 394
CD68 + IL-22R	85 ± 127	117 ± 123	84 ± 128	90 ± 124	108 ± 116
CD68 + IL-23R	47 ± 55	53 ± 69	31 ± 53	47 ± 51	35 ± 51
CD68 + Ki67	47 ± 53	80 ± 65	44 ± 55	50 ± 52	51 ± 50
CD68 + PI	929 ± 852	1091 ± 812	946 ± 830	929 ± 855	967 ± 803
CD68 + Podoplanin	61 ± 96	43 ± 84	38 ± 84	49 ± 86	39 ± 84
CD68 + SNA1	533 ± 451	554 ± 398	468 ± 419	428 ± 434	462 ± 415
CD68 + STAT3	13 ± 10	97 ± 208	18 ± 24	14 ± 10	10 ± 10
CD68 + TIA1	21 ± 29	18 ± 31	18 ± 31	21 ± 29	20 ± 30
CD68 + Vimentin	1180 ± 854	1173 ± 787	1131 ± 814	1120 ± 858	1153 ± 819

Tabelle 674: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + BCL2	96 ± 199	10 ± 9	11 ± 8	27 ± 44	13 ± 7
CD7 + CCR6	43 ± 86	10 ± 22	11 ± 22	35 ± 62	11 ± 22
CD7 + CD11a	495 ± 979	73 ± 165	75 ± 164	201 ± 341	75 ± 164
CD7 + CD11b	51 ± 80	23 ± 60	23 ± 60	28 ± 59	23 ± 60
CD7 + CD120a	2 ± 5	0 ± 1	0 ± 1	6 ± 15	1 ± 1
CD7 + CD120b	26 ± 44	8 ± 22	8 ± 22	56 ± 124	9 ± 22
CD7 + CD138	358 ± 767	29 ± 68	30 ± 68	90 ± 144	29 ± 68
CD7 + CD15	3 ± 7	0 ± 1	0 ± 1	6 ± 10	0 ± 1
CD7 + CD1a	15 ± 25	8 ± 20	8 ± 20	13 ± 22	8 ± 20
CD7 + CD2	451 ± 934	67 ± 136	75 ± 133	200 ± 342	72 ± 133
CD7 + CD207	11 ± 19	4 ± 10	5 ± 10	20 ± 40	5 ± 10
CD7 + CD24	2 ± 4	2 ± 4	2 ± 4	4 ± 6	2 ± 4
CD7 + CD28	343 ± 815	22 ± 52	22 ± 53	74 ± 137	24 ± 52
CD7 + CD29	639 ± 1208	101 ± 255	118 ± 252	380 ± 720	104 ± 254
CD7 + CD3	433 ± 830	88 ± 207	90 ± 206	422 ± 848	94 ± 204
CD7 + CD31	2 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD4	338 ± 755	39 ± 96	40 ± 96	149 ± 288	41 ± 95
CD7 + CD44	586 ± 1135	93 ± 219	112 ± 216	451 ± 897	94 ± 219
CD7 + CD45	439 ± 964	36 ± 80	39 ± 79	269 ± 606	37 ± 80
CD7 + CD45RA	77 ± 121	38 ± 87	40 ± 86	67 ± 100	40 ± 86
CD7 + CD45RO	319 ± 705	31 ± 81	32 ± 81	98 ± 181	31 ± 81
CD7 + CD52	47 ± 96	8 ± 17	7 ± 18	150 ± 369	8 ± 17
CD7 + CD54	427 ± 920	72 ± 191	72 ± 191	145 ± 247	72 ± 191
CD7 + CD56	4 ± 11	0 ± 1	1 ± 2	5 ± 11	0 ± 1
CD7 + CD58	118 ± 153	53 ± 137	52 ± 137	261 ± 545	53 ± 137
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD7 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD7 + CD68	87 ± 131	51 ± 112	51 ± 112	59 ± 109	55 ± 110
CD7 + CD8a	153 ± 198	43 ± 90	42 ± 90	124 ± 199	45 ± 89
CD7 + CK14	716 ± 1289	127 ± 272	167 ± 273	470 ± 837	135 ± 268
CD7 + CLA	117 ± 177	36 ± 73	40 ± 72	75 ± 109	41 ± 71
CD7 + c-myc	210 ± 329	30 ± 71	32 ± 70	252 ± 558	35 ± 69
CD7 + Collagen IV	100 ± 152	25 ± 58	38 ± 63	131 ± 253	29 ± 57
CD7 + FXIIIA	1 ± 3	1 ± 3	1 ± 3	4 ± 6	1 ± 3
CD7 + HLA-DR	430 ± 776	80 ± 194	85 ± 192	200 ± 294	81 ± 194
CD7 + IL-22R	14 ± 20	8 ± 20	8 ± 20	16 ± 25	8 ± 20
CD7 + IL-23R	5 ± 6	1 ± 3	1 ± 3	10 ± 22	1 ± 3
CD7 + Ki67	20 ± 30	9 ± 23	9 ± 23	9 ± 23	9 ± 23
CD7 + PI	471 ± 973	60 ± 115	67 ± 113	179 ± 268	64 ± 113
CD7 + Podoplanin	55 ± 111	13 ± 33	14 ± 32	306 ± 766	13 ± 33
CD7 + SNA1	379 ± 745	25 ± 57	39 ± 64	170 ± 345	28 ± 56
CD7 + STAT3	17 ± 28	1 ± 3	1 ± 3	5 ± 10	1 ± 3
CD7 + TIA1	28 ± 32	14 ± 28	16 ± 27	36 ± 50	15 ± 27
CD7 + Vimentin	376 ± 684	87 ± 204	102 ± 201	187 ± 284	91 ± 202

Tabelle 675: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + BCL2	53 ± 63	19 ± 31	18 ± 31	25 ± 30	21 ± 30
CD8a + CCR6	18 ± 32	6 ± 16	6 ± 16	12 ± 18	7 ± 15
CD8a + CD11a	200 ± 215	69 ± 112	69 ± 112	131 ± 164	89 ± 104
CD8a + CD11b	23 ± 33	11 ± 30	11 ± 30	13 ± 29	11 ± 30
CD8a + CD120a	0 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD8a + CD120b	3 ± 5	2 ± 4	2 ± 4	9 ± 18	4 ± 6
CD8a + CD138	122 ± 161	26 ± 55	27 ± 54	41 ± 57	28 ± 54
CD8a + CD15	1 ± 2	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD8a + CD1a	4 ± 7	3 ± 7	3 ± 7	5 ± 8	3 ± 7
CD8a + CD2	200 ± 226	88 ± 128	84 ± 130	150 ± 178	106 ± 121
CD8a + CD207	4 ± 5	3 ± 6	3 ± 6	5 ± 7	3 ± 6
CD8a + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD8a + CD28	40 ± 76	8 ± 13	7 ± 13	14 ± 20	10 ± 14
CD8a + CD29	276 ± 305	105 ± 210	112 ± 207	159 ± 224	125 ± 201
CD8a + CD3	137 ± 158	71 ± 127	69 ± 128	173 ± 244	85 ± 122
CD8a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD8a + CD4	29 ± 45	12 ± 26	12 ± 26	24 ± 37	13 ± 26
CD8a + CD44	250 ± 294	81 ± 161	85 ± 160	165 ± 240	87 ± 158
CD8a + CD45	137 ± 203	27 ± 45	26 ± 46	117 ± 233	27 ± 45
CD8a + CD45RA	60 ± 73	42 ± 73	42 ± 73	55 ± 73	46 ± 71
CD8a + CD45RO	61 ± 108	12 ± 31	12 ± 31	29 ± 49	12 ± 31
CD8a + CD52	22 ± 31	8 ± 16	8 ± 16	64 ± 136	8 ± 16
CD8a + CD54	82 ± 152	27 ± 70	27 ± 70	49 ± 84	27 ± 70
CD8a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD58	94 ± 146	51 ± 131	50 ± 131	101 ± 168	50 ± 131
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD68	49 ± 76	46 ± 78	45 ± 78	47 ± 77	58 ± 73
CD8a + CD7	153 ± 198	43 ± 90	42 ± 90	124 ± 199	45 ± 89
CD8a + CK14	411 ± 403	197 ± 340	205 ± 336	282 ± 352	247 ± 321
CD8a + CLA	130 ± 126	67 ± 102	71 ± 100	84 ± 96	86 ± 94
CD8a + c-myc	166 ± 199	66 ± 137	67 ± 137	149 ± 211	88 ± 133
CD8a + Collagen IV	95 ± 112	54 ± 98	52 ± 98	96 ± 113	72 ± 100
CD8a + FXIIIA	0 ± 1	0 ± 1	0 ± 1	5 ± 13	0 ± 1
CD8a + HLA-DR	173 ± 195	71 ± 156	72 ± 155	109 ± 152	75 ± 154
CD8a + IL-22R	10 ± 19	9 ± 20	9 ± 20	11 ± 19	10 ± 20
CD8a + IL-23R	2 ± 3	1 ± 1	1 ± 2	4 ± 5	1 ± 2
CD8a + Ki67	9 ± 10	3 ± 4	3 ± 4	3 ± 4	5 ± 5
CD8a + PI	245 ± 269	102 ± 178	112 ± 174	161 ± 188	132 ± 167
CD8a + Podoplanin	42 ± 72	26 ± 68	26 ± 68	81 ± 152	26 ± 68
CD8a + SNA1	185 ± 238	47 ± 66	45 ± 66	91 ± 97	60 ± 66
CD8a + STAT3	13 ± 29	2 ± 3	1 ± 3	3 ± 4	1 ± 3
CD8a + TIA1	40 ± 42	25 ± 44	28 ± 43	41 ± 52	27 ± 43
CD8a + Vimentin	177 ± 237	86 ± 187	88 ± 186	118 ± 187	89 ± 186

Tabelle 676: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	5 ± 11	4 ± 12	77 ± 192	5 ± 11	4 ± 12
CK14 + BCL2	2005 ± 1593	1300 ± 1064	900 ± 698	985 ± 619	940 ± 653
CK14 + CCR6	106 ± 144	62 ± 66	94 ± 117	177 ± 230	58 ± 52
CK14 + CD11a	862 ± 1363	190 ± 317	196 ± 314	435 ± 614	232 ± 298
CK14 + CD11b	229 ± 288	147 ± 302	148 ± 302	188 ± 291	165 ± 294
CK14 + CD120a	103 ± 55	117 ± 116	77 ± 28	123 ± 65	269 ± 469
CK14 + CD120b	30 ± 44	19 ± 32	13 ± 31	61 ± 109	17 ± 30
CK14 + CD138	14536 ± 18073	5648 ± 4191	5968 ± 3648	8423 ± 5842	5403 ± 4046
CK14 + CD15	21 ± 29	57 ± 101	18 ± 30	91 ± 151	18 ± 30
CK14 + CD1a	152 ± 180	189 ± 164	100 ± 96	194 ± 208	128 ± 115
CK14 + CD2	849 ± 1473	231 ± 324	248 ± 315	411 ± 457	272 ± 301
CK14 + CD207	200 ± 153	329 ± 365	234 ± 153	354 ± 317	182 ± 87
CK14 + CD24	86 ± 214	84 ± 215	86 ± 214	105 ± 209	84 ± 215
CK14 + CD28	530 ± 1253	43 ± 71	39 ± 73	80 ± 112	48 ± 72
CK14 + CD29	17952 ± 16608	9220 ± 8654	9400 ± 8656	12483 ± 10421	9492 ± 8413
CK14 + CD3	691 ± 1144	212 ± 432	216 ± 430	617 ± 1014	247 ± 417
CK14 + CD31	34 ± 51	10 ± 14	10 ± 14	11 ± 13	14 ± 15
CK14 + CD4	617 ± 1232	119 ± 237	120 ± 236	298 ± 472	124 ± 234
CK14 + CD44	14030 ± 14341	6802 ± 7508	8411 ± 8097	11746 ± 10985	7035 ± 7293
CK14 + CD45	766 ± 1642	63 ± 102	69 ± 100	524 ± 1198	65 ± 102
CK14 + CD45RA	227 ± 295	122 ± 228	124 ± 226	202 ± 267	135 ± 221
CK14 + CD45RO	457 ± 991	50 ± 118	54 ± 117	137 ± 236	47 ± 119
CK14 + CD52	48 ± 82	13 ± 17	11 ± 18	726 ± 1880	13 ± 17
CK14 + CD54	2441 ± 4937	547 ± 1417	548 ± 1416	1203 ± 2042	548 ± 1416
CK14 + CD56	38 ± 28	21 ± 22	135 ± 288	46 ± 60	33 ± 31
CK14 + CD58	3840 ± 4889	2879 ± 4708	2395 ± 4888	4658 ± 6994	2458 ± 4856
CK14 + CD62E	10 ± 17	6 ± 15	6 ± 15	6 ± 15	6 ± 15
CK14 + CD62P	13 ± 31	13 ± 31	12 ± 31	12 ± 31	12 ± 31
CK14 + CD68	1775 ± 1616	2074 ± 1473	1852 ± 1552	1817 ± 1597	2018 ± 1442
CK14 + CD7	716 ± 1289	127 ± 272	167 ± 273	470 ± 837	135 ± 268
CK14 + CD8a	411 ± 403	197 ± 340	205 ± 336	282 ± 352	247 ± 321
CK14 + CLA	444 ± 432	249 ± 309	265 ± 303	327 ± 281	326 ± 276
CK14 + c-myc	8638 ± 6226	5195 ± 5621	5588 ± 5302	8269 ± 6917	5878 ± 5162
CK14 + Collagen IV	4548 ± 3864	3409 ± 3693	3908 ± 3753	4813 ± 4390	3666 ± 3715
CK14 + FXIIIA	30 ± 38	18 ± 32	36 ± 42	26 ± 34	24 ± 31
CK14 + HLA-DR	6869 ± 6769	3639 ± 5069	3665 ± 4988	6376 ± 6644	3607 ± 5013
CK14 + IL-22R	2231 ± 1613	2429 ± 1460	1852 ± 1870	2184 ± 1586	2576 ± 1439
CK14 + IL-23R	956 ± 1153	824 ± 1439	293 ± 580	836 ± 987	302 ± 577
CK14 + Ki67	1602 ± 1127	1314 ± 884	897 ± 1012	1101 ± 981	1235 ± 866
CK14 + PI	12802 ± 8826	9085 ± 3951	9081 ± 4041	11291 ± 4558	9402 ± 3803
CK14 + Podoplanin	2505 ± 4110	1290 ± 3254	1343 ± 3234	5580 ± 11290	1285 ± 3256
CK14 + SNA1	7668 ± 7313	3675 ± 2279	3936 ± 2442	4795 ± 3000	3539 ± 2064
CK14 + STAT3	1686 ± 1833	2183 ± 3447	853 ± 920	927 ± 704	641 ± 582
CK14 + TIA1	57 ± 52	31 ± 44	35 ± 43	60 ± 76	34 ± 43
CK14 + Vimentin	4316 ± 3423	3018 ± 2877	3315 ± 2922	4141 ± 3128	3011 ± 2939

Tabelle 677: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + BCL2	60 ± 88	24 ± 28	20 ± 29	30 ± 27	28 ± 30
CLA + CCR6	24 ± 40	10 ± 24	11 ± 24	19 ± 24	14 ± 23
CLA + CD11a	170 ± 226	62 ± 97	65 ± 95	110 ± 127	78 ± 90
CLA + CD11b	21 ± 36	15 ± 37	15 ± 37	28 ± 46	15 ± 37
CLA + CD120a	7 ± 9	6 ± 8	10 ± 13	6 ± 8	21 ± 38
CLA + CD120b	11 ± 20	2 ± 5	2 ± 6	9 ± 17	4 ± 6
CLA + CD138	166 ± 254	49 ± 75	52 ± 74	65 ± 71	62 ± 77
CLA + CD15	5 ± 7	5 ± 7	2 ± 4	13 ± 25	2 ± 4
CLA + CD1a	12 ± 14	12 ± 14	11 ± 12	16 ± 21	15 ± 19
CLA + CD2	180 ± 244	72 ± 92	75 ± 90	108 ± 95	90 ± 82
CLA + CD207	16 ± 18	19 ± 21	25 ± 31	30 ± 29	25 ± 30
CLA + CD24	2 ± 3	1 ± 3	1 ± 3	9 ± 19	1 ± 3
CLA + CD28	70 ± 139	13 ± 28	14 ± 28	20 ± 30	16 ± 28
CLA + CD29	304 ± 412	118 ± 187	128 ± 184	175 ± 191	151 ± 175
CLA + CD3	142 ± 189	64 ± 105	67 ± 104	120 ± 143	80 ± 98
CLA + CD31	1 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CLA + CD4	82 ± 133	27 ± 53	27 ± 53	58 ± 84	29 ± 52
CLA + CD44	308 ± 411	127 ± 214	140 ± 210	218 ± 247	141 ± 208
CLA + CD45	138 ± 263	27 ± 41	30 ± 40	74 ± 118	29 ± 40
CLA + CD45RA	96 ± 139	40 ± 71	41 ± 71	67 ± 84	48 ± 67
CLA + CD45RO	82 ± 167	14 ± 35	19 ± 35	33 ± 55	14 ± 35
CLA + CD52	16 ± 25	7 ± 14	7 ± 14	30 ± 58	8 ± 14
CLA + CD54	139 ± 283	30 ± 80	30 ± 80	54 ± 93	30 ± 80
CLA + CD56	0 ± 1	0 ± 0	1 ± 1	1 ± 2	0 ± 0
CLA + CD58	75 ± 111	56 ± 115	52 ± 117	77 ± 123	55 ± 115
CLA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	71 ± 76	60 ± 75	56 ± 77	69 ± 70	85 ± 75
CLA + CD7	117 ± 177	36 ± 73	40 ± 72	75 ± 109	41 ± 71
CLA + CD8a	130 ± 126	67 ± 102	71 ± 100	84 ± 96	86 ± 94
CLA + CK14	444 ± 432	249 ± 309	265 ± 303	327 ± 281	326 ± 276
CLA + c-myc	94 ± 84	50 ± 69	47 ± 71	130 ± 194	62 ± 64
CLA + Collagen IV	62 ± 57	35 ± 47	37 ± 47	74 ± 91	46 ± 45
CLA + FXIIIA	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CLA + HLA-DR	242 ± 296	121 ± 197	131 ± 192	192 ± 191	144 ± 186
CLA + IL-22R	31 ± 33	34 ± 32	29 ± 34	31 ± 32	42 ± 36
CLA + IL-23R	4 ± 6	3 ± 6	3 ± 6	7 ± 11	6 ± 11
CLA + Ki67	17 ± 19	9 ± 16	9 ± 16	11 ± 16	12 ± 16
CLA + PI	243 ± 341	103 ± 123	106 ± 121	143 ± 109	149 ± 111
CLA + Podoplanin	48 ± 81	24 ± 62	24 ± 62	57 ± 99	24 ± 62
CLA + SNA1	160 ± 231	40 ± 59	49 ± 59	97 ± 126	55 ± 56
CLA + STAT3	7 ± 9	8 ± 14	4 ± 9	5 ± 9	5 ± 9
CLA + TIA1	22 ± 21	13 ± 22	16 ± 21	23 ± 28	16 ± 21
CLA + Vimentin	244 ± 324	124 ± 204	132 ± 203	170 ± 197	158 ± 197

Tabelle 678: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	9 ± 13	5 ± 12	81 ± 199	5 ± 12	5 ± 12
c-myc + BCL2	872 ± 756	620 ± 705	349 ± 370	431 ± 343	353 ± 367
c-myc + CCR6	39 ± 53	34 ± 54	54 ± 102	62 ± 90	16 ± 24
c-myc + CD11a	305 ± 451	53 ± 111	53 ± 111	419 ± 946	66 ± 107
c-myc + CD11b	228 ± 363	147 ± 375	148 ± 374	228 ± 393	163 ± 369
c-myc + CD120a	38 ± 45	27 ± 31	15 ± 11	64 ± 117	26 ± 13
c-myc + CD120b	30 ± 49	12 ± 25	11 ± 26	40 ± 72	13 ± 25
c-myc + CD138	1966 ± 1935	833 ± 574	1027 ± 851	1031 ± 469	762 ± 456
c-myc + CD15	22 ± 31	17 ± 23	11 ± 20	128 ± 212	11 ± 20
c-myc + CD1a	27 ± 38	59 ± 88	36 ± 42	32 ± 36	35 ± 37
c-myc + CD2	182 ± 275	50 ± 85	51 ± 85	164 ± 281	68 ± 83
c-myc + CD207	32 ± 24	100 ± 179	57 ± 62	40 ± 20	35 ± 23
c-myc + CD24	21 ± 35	10 ± 26	12 ± 26	57 ± 111	10 ± 26
c-myc + CD28	110 ± 234	8 ± 16	8 ± 16	38 ± 78	14 ± 21
c-myc + CD29	5339 ± 5240	2385 ± 3617	2492 ± 3563	3611 ± 4122	2526 ± 3523
c-myc + CD3	145 ± 240	31 ± 70	31 ± 70	319 ± 722	45 ± 68
c-myc + CD31	57 ± 86	14 ± 32	14 ± 32	15 ± 32	17 ± 32
c-myc + CD4	274 ± 455	77 ± 185	79 ± 184	318 ± 628	82 ± 183
c-myc + CD44	2733 ± 2313	1340 ± 1637	1484 ± 1557	2303 ± 2252	1476 ± 1548
c-myc + CD45	231 ± 439	15 ± 35	16 ± 35	315 ± 786	17 ± 34
c-myc + CD45RA	104 ± 157	47 ± 111	47 ± 110	164 ± 308	53 ± 108
c-myc + CD45RO	124 ± 234	15 ± 40	16 ± 40	75 ± 154	15 ± 40
c-myc + CD52	19 ± 32	3 ± 4	2 ± 4	317 ± 825	3 ± 3
c-myc + CD54	550 ± 1032	135 ± 341	135 ± 341	538 ± 1059	135 ± 341
c-myc + CD56	40 ± 51	17 ± 35	130 ± 293	92 ± 193	21 ± 34
c-myc + CD58	952 ± 1112	812 ± 1052	638 ± 1053	1550 ± 2356	680 ± 1033
c-myc + CD62E	5 ± 10	1 ± 1	1 ± 1	1 ± 1	1 ± 1
c-myc + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
c-myc + CD68	596 ± 527	567 ± 551	559 ± 550	529 ± 551	568 ± 524
c-myc + CD7	210 ± 329	30 ± 71	32 ± 70	252 ± 558	35 ± 69
c-myc + CD8a	166 ± 199	66 ± 137	67 ± 137	149 ± 211	88 ± 133
c-myc + CK14	8638 ± 6226	5195 ± 5621	5588 ± 5302	8269 ± 6917	5878 ± 5162
c-myc + CLA	94 ± 84	50 ± 69	47 ± 71	130 ± 194	62 ± 64
c-myc + Collagen IV	5578 ± 5597	3340 ± 5590	3733 ± 5391	6522 ± 7866	3949 ± 5376
c-myc + FXIIIA	49 ± 83	36 ± 83	51 ± 85	47 ± 83	39 ± 82
c-myc + HLA-DR	1999 ± 2123	879 ± 1712	980 ± 1661	1777 ± 1869	994 ± 1660
c-myc + IL-22R	412 ± 240	517 ± 463	337 ± 293	404 ± 248	446 ± 288
c-myc + IL-23R	521 ± 573	168 ± 296	182 ± 290	507 ± 648	169 ± 295
c-myc + Ki67	147 ± 185	73 ± 111	49 ± 102	60 ± 99	48 ± 102
c-myc + PI	1527 ± 1366	840 ± 834	852 ± 832	1469 ± 1753	752 ± 733
c-myc + Podoplanin	423 ± 675	238 ± 580	291 ± 581	1145 ± 2400	230 ± 583
c-myc + SNA1	6632 ± 5768	2781 ± 3131	3190 ± 2846	5563 ± 5302	3265 ± 2819
c-myc + STAT3	650 ± 611	514 ± 684	550 ± 704	333 ± 316	253 ± 303
c-myc + TIA1	28 ± 40	16 ± 32	15 ± 31	76 ± 162	17 ± 31
c-myc + Vimentin	1606 ± 1665	903 ± 1613	963 ± 1583	1694 ± 2140	1009 ± 1574

Tabelle 679: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	11 ± 16	5 ± 14	9 ± 16	6 ± 14	5 ± 14
Collagen IV + BCL2	298 ± 187	179 ± 162	170 ± 167	209 ± 162	173 ± 166
Collagen IV + CCR6	8 ± 8	4 ± 6	6 ± 6	20 ± 40	5 ± 6
Collagen IV + CD11a	185 ± 259	44 ± 95	45 ± 95	167 ± 316	51 ± 93
Collagen IV + CD11b	189 ± 311	126 ± 322	128 ± 322	182 ± 323	143 ± 317
Collagen IV + CD120a	12 ± 15	6 ± 7	5 ± 6	27 ± 51	16 ± 21
Collagen IV + CD120b	19 ± 30	10 ± 26	10 ± 26	25 ± 42	12 ± 25
Collagen IV + CD138	483 ± 591	183 ± 266	173 ± 244	292 ± 320	156 ± 249
Collagen IV + CD15	20 ± 30	15 ± 21	9 ± 17	84 ± 133	9 ± 17
Collagen IV + CD1a	3 ± 8	5 ± 8	3 ± 8	4 ± 8	4 ± 8
Collagen IV + CD2	99 ± 142	39 ± 53	39 ± 53	74 ± 96	52 ± 59
Collagen IV + CD207	3 ± 5	5 ± 7	3 ± 3	4 ± 6	2 ± 4
Collagen IV + CD24	15 ± 27	9 ± 24	12 ± 24	34 ± 62	9 ± 24
Collagen IV + CD28	76 ± 155	7 ± 11	7 ± 11	21 ± 34	14 ± 19
Collagen IV + CD29	2683 ± 2663	1656 ± 2435	1656 ± 2428	2260 ± 2787	1607 ± 2461
Collagen IV + CD3	91 ± 130	31 ± 58	30 ± 58	175 ± 337	42 ± 58
Collagen IV + CD31	81 ± 107	22 ± 36	22 ± 36	34 ± 40	26 ± 35
Collagen IV + CD4	204 ± 316	63 ± 142	65 ± 141	152 ± 247	68 ± 140
Collagen IV + CD44	1203 ± 1225	647 ± 923	774 ± 952	1040 ± 1215	622 ± 916
Collagen IV + CD45	146 ± 271	15 ± 31	16 ± 31	153 ± 361	16 ± 31
Collagen IV + CD45RA	71 ± 102	36 ± 83	37 ± 83	76 ± 120	41 ± 81
Collagen IV + CD45RO	80 ± 145	13 ± 33	14 ± 32	39 ± 69	13 ± 33
Collagen IV + CD52	16 ± 22	3 ± 5	3 ± 5	193 ± 491	4 ± 5
Collagen IV + CD54	431 ± 730	120 ± 289	121 ± 289	294 ± 494	121 ± 289
Collagen IV + CD56	32 ± 34	18 ± 31	27 ± 33	84 ± 169	25 ± 34
Collagen IV + CD58	383 ± 690	281 ± 698	276 ± 701	818 ± 1482	278 ± 700
Collagen IV + CD62E	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
Collagen IV + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
Collagen IV + CD68	464 ± 567	600 ± 529	532 ± 550	461 ± 568	500 ± 545
Collagen IV + CD7	100 ± 152	25 ± 58	38 ± 63	131 ± 253	29 ± 57
Collagen IV + CD8a	95 ± 112	54 ± 98	52 ± 98	96 ± 113	72 ± 100
Collagen IV + CK14	4548 ± 3864	3409 ± 3693	3908 ± 3753	4813 ± 4390	3666 ± 3715
Collagen IV + CLA	62 ± 57	35 ± 47	37 ± 47	74 ± 91	46 ± 45
Collagen IV + c-myc	5578 ± 5597	3340 ± 5590	3733 ± 5391	6522 ± 7866	3949 ± 5376
Collagen IV + FXIIIA	33 ± 76	33 ± 76	37 ± 74	37 ± 75	36 ± 75
Collagen IV + HLA-DR	1250 ± 1457	632 ± 1263	680 ± 1250	991 ± 1268	613 ± 1266
Collagen IV + IL-22R	40 ± 70	45 ± 67	39 ± 70	53 ± 67	52 ± 68
Collagen IV + IL-23R	33 ± 63	10 ± 16	9 ± 17	112 ± 270	9 ± 17
Collagen IV + Ki67	53 ± 65	42 ± 52	25 ± 53	38 ± 51	27 ± 53
Collagen IV + PI	587 ± 537	438 ± 433	429 ± 419	810 ± 960	401 ± 440
Collagen IV + Podoplanin	221 ± 346	135 ± 305	126 ± 308	668 ± 1419	128 ± 307
Collagen IV + SNA1	4466 ± 3668	2599 ± 2564	3333 ± 3022	4439 ± 4275	2689 ± 2538
Collagen IV + STAT3	29 ± 77	95 ± 250	23 ± 62	0 ± 1	0 ± 0
Collagen IV + TIA1	15 ± 23	10 ± 22	10 ± 21	50 ± 102	12 ± 21
Collagen IV + Vimentin	960 ± 1028	781 ± 1023	778 ± 1014	1048 ± 1252	708 ± 1041

Tabelle 680: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	3 ± 4	2 ± 4	17 ± 37	2 ± 4	2 ± 4
FXIIIA + BCL2	21 ± 35	11 ± 28	11 ± 28	11 ± 28	11 ± 28
FXIIIA + CCR6	4 ± 9	0 ± 1	10 ± 25	2 ± 3	0 ± 1
FXIIIA + CD11a	7 ± 15	6 ± 16	6 ± 16	11 ± 19	6 ± 16
FXIIIA + CD11b	14 ± 32	13 ± 32	13 ± 32	14 ± 32	14 ± 32
FXIIIA + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
FXIIIA + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD138	14 ± 29	3 ± 7	17 ± 38	5 ± 8	3 ± 7
FXIIIA + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 4	0 ± 0
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	1 ± 2	1 ± 2	1 ± 2	5 ± 11	1 ± 2
FXIIIA + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD24	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
FXIIIA + CD28	1 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
FXIIIA + CD29	35 ± 75	31 ± 76	46 ± 79	35 ± 75	31 ± 76
FXIIIA + CD3	2 ± 3	1 ± 3	1 ± 3	5 ± 9	1 ± 3
FXIIIA + CD31	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
FXIIIA + CD4	9 ± 20	8 ± 20	8 ± 20	10 ± 20	8 ± 20
FXIIIA + CD44	10 ± 17	9 ± 18	14 ± 17	19 ± 29	10 ± 17
FXIIIA + CD45	4 ± 7	3 ± 7	3 ± 7	7 ± 11	3 ± 7
FXIIIA + CD45RA	5 ± 12	5 ± 12	5 ± 12	7 ± 13	5 ± 12
FXIIIA + CD45RO	4 ± 8	3 ± 8	4 ± 8	4 ± 8	3 ± 8
FXIIIA + CD52	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD54	17 ± 39	16 ± 40	16 ± 40	19 ± 39	16 ± 40
FXIIIA + CD56	3 ± 5	0 ± 1	15 ± 38	0 ± 1	0 ± 1
FXIIIA + CD58	4 ± 12	4 ± 12	4 ± 12	5 ± 11	4 ± 12
FXIIIA + CD62E	4 ± 8	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
FXIIIA + CD68	14 ± 26	13 ± 27	15 ± 26	14 ± 26	17 ± 26
FXIIIA + CD7	1 ± 3	1 ± 3	1 ± 3	4 ± 6	1 ± 3
FXIIIA + CD8a	0 ± 1	0 ± 1	0 ± 1	5 ± 13	0 ± 1
FXIIIA + CK14	30 ± 38	18 ± 32	36 ± 42	26 ± 34	24 ± 31
FXIIIA + CLA	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
FXIIIA + c-myc	49 ± 83	36 ± 83	51 ± 85	47 ± 83	39 ± 82
FXIIIA + Collagen IV	33 ± 76	33 ± 76	37 ± 74	37 ± 75	36 ± 75
FXIIIA + HLA-DR	22 ± 39	17 ± 41	21 ± 39	20 ± 40	18 ± 40
FXIIIA + IL-22R	8 ± 20	0 ± 1	0 ± 1	1 ± 1	0 ± 1
FXIIIA + IL-23R	18 ± 32	6 ± 17	6 ± 17	7 ± 17	6 ± 17
FXIIIA + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + PI	5 ± 5	4 ± 5	18 ± 28	9 ± 13	8 ± 9
FXIIIA + Podoplanin	8 ± 15	7 ± 16	20 ± 35	8 ± 16	7 ± 16
FXIIIA + SNA1	37 ± 84	36 ± 85	38 ± 84	40 ± 83	39 ± 84
FXIIIA + STAT3	12 ± 31	0 ± 0	14 ± 38	0 ± 0	0 ± 0
FXIIIA + TIA1	0 ± 0	0 ± 0	1 ± 2	2 ± 4	0 ± 0
FXIIIA + Vimentin	20 ± 43	19 ± 43	24 ± 42	28 ± 45	19 ± 43

Tabelle 681: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	6 ± 8	3 ± 7	11 ± 21	3 ± 7	3 ± 7
HLA-DR + BCL2	360 ± 386	113 ± 55	101 ± 70	157 ± 78	108 ± 63
HLA-DR + CCR6	66 ± 118	21 ± 43	32 ± 44	91 ± 127	26 ± 41
HLA-DR + CD11a	652 ± 1032	150 ± 306	154 ± 304	358 ± 537	155 ± 303
HLA-DR + CD11b	236 ± 355	155 ± 369	157 ± 368	182 ± 360	158 ± 368
HLA-DR + CD120a	54 ± 27	39 ± 23	45 ± 15	95 ± 81	72 ± 66
HLA-DR + CD120b	35 ± 60	12 ± 28	11 ± 28	26 ± 35	12 ± 28
HLA-DR + CD138	3399 ± 4182	1417 ± 1843	1289 ± 1664	2509 ± 3249	1133 ± 1708
HLA-DR + CD15	13 ± 18	11 ± 14	6 ± 10	66 ± 113	6 ± 10
HLA-DR + CD1a	120 ± 154	96 ± 95	70 ± 62	115 ± 91	83 ± 67
HLA-DR + CD2	456 ± 829	116 ± 236	121 ± 233	200 ± 256	122 ± 232
HLA-DR + CD207	177 ± 167	138 ± 66	164 ± 78	247 ± 209	135 ± 55
HLA-DR + CD24	46 ± 96	39 ± 97	42 ± 96	60 ± 94	39 ± 97
HLA-DR + CD28	393 ± 904	33 ± 68	33 ± 68	49 ± 70	32 ± 69
HLA-DR + CD29	4456 ± 4961	2079 ± 3057	1865 ± 3022	2793 ± 3126	1877 ± 3023
HLA-DR + CD3	445 ± 752	130 ± 307	134 ± 305	289 ± 409	137 ± 304
HLA-DR + CD31	51 ± 76	9 ± 13	9 ± 13	9 ± 13	9 ± 13
HLA-DR + CD4	452 ± 867	90 ± 193	92 ± 192	233 ± 375	91 ± 192
HLA-DR + CD44	5253 ± 6127	2425 ± 3784	2484 ± 3730	4189 ± 4410	2309 ± 3762
HLA-DR + CD45	645 ± 1349	65 ± 139	71 ± 137	249 ± 471	66 ± 139
HLA-DR + CD45RA	180 ± 283	66 ± 148	68 ± 147	120 ± 175	69 ± 147
HLA-DR + CD45RO	399 ± 816	59 ± 155	63 ± 153	119 ± 191	59 ± 155
HLA-DR + CD52	46 ± 81	11 ± 26	11 ± 26	173 ± 418	11 ± 26
HLA-DR + CD54	1338 ± 2584	326 ± 841	327 ± 841	588 ± 991	327 ± 840
HLA-DR + CD56	11 ± 14	2 ± 4	14 ± 29	11 ± 21	3 ± 4
HLA-DR + CD58	1396 ± 1911	1027 ± 1892	865 ± 1908	1269 ± 2006	873 ± 1904
HLA-DR + CD62E	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
HLA-DR + CD62P	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
HLA-DR + CD68	398 ± 408	357 ± 395	338 ± 400	446 ± 430	351 ± 394
HLA-DR + CD7	430 ± 776	80 ± 194	85 ± 192	200 ± 294	81 ± 194
HLA-DR + CD8a	173 ± 195	71 ± 156	72 ± 155	109 ± 152	75 ± 154
HLA-DR + CK14	6869 ± 6769	3639 ± 5069	3665 ± 4988	6376 ± 6644	3607 ± 5013
HLA-DR + CLA	242 ± 296	121 ± 197	131 ± 192	192 ± 191	144 ± 186
HLA-DR + c-myc	1999 ± 2123	879 ± 1712	980 ± 1661	1777 ± 1869	994 ± 1660
HLA-DR + Collagen IV	1250 ± 1457	632 ± 1263	680 ± 1250	991 ± 1268	613 ± 1266
HLA-DR + FXIIIA	22 ± 39	17 ± 41	21 ± 39	20 ± 40	18 ± 40
HLA-DR + IL-22R	617 ± 571	686 ± 641	504 ± 621	726 ± 678	644 ± 548
HLA-DR + IL-23R	179 ± 233	284 ± 617	45 ± 69	313 ± 506	55 ± 67
HLA-DR + Ki67	252 ± 316	185 ± 315	152 ± 321	270 ± 405	167 ± 317
HLA-DR + PI	2284 ± 2485	1201 ± 1418	1115 ± 1372	2361 ± 3136	1092 ± 1397
HLA-DR + Podoplanin	1036 ± 1687	575 ± 1482	582 ± 1479	1172 ± 1959	576 ± 1482
HLA-DR + SNA1	2655 ± 3239	854 ± 1246	783 ± 1192	1227 ± 1302	693 ± 1208
HLA-DR + STAT3	338 ± 409	510 ± 1106	120 ± 107	341 ± 613	95 ± 74
HLA-DR + TIA1	29 ± 37	10 ± 24	11 ± 23	30 ± 48	11 ± 23
HLA-DR + Vimentin	1699 ± 1904	955 ± 1478	964 ± 1457	1544 ± 1652	901 ± 1477

Tabelle 682: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + BCL2	116 ± 163	310 ± 496	105 ± 169	114 ± 165	108 ± 167
IL-22R + CCR6	11 ± 13	24 ± 43	6 ± 9	23 ± 38	13 ± 12
IL-22R + CD11a	24 ± 28	17 ± 29	17 ± 29	20 ± 28	18 ± 28
IL-22R + CD11b	8 ± 15	7 ± 15	7 ± 15	7 ± 15	7 ± 15
IL-22R + CD120a	28 ± 20	45 ± 59	19 ± 14	28 ± 18	116 ± 237
IL-22R + CD120b	1 ± 3	6 ± 11	1 ± 3	3 ± 5	1 ± 3
IL-22R + CD138	1183 ± 692	1255 ± 631	880 ± 809	1118 ± 686	1245 ± 689
IL-22R + CD15	2 ± 2	8 ± 15	2 ± 2	4 ± 4	2 ± 2
IL-22R + CD1a	29 ± 24	72 ± 80	18 ± 13	30 ± 18	50 ± 55
IL-22R + CD2	19 ± 22	13 ± 21	13 ± 21	16 ± 19	14 ± 20
IL-22R + CD207	53 ± 56	136 ± 173	52 ± 56	71 ± 58	72 ± 51
IL-22R + CD24	8 ± 20	8 ± 20	8 ± 20	8 ± 20	8 ± 20
IL-22R + CD28	14 ± 29	7 ± 10	3 ± 5	5 ± 7	3 ± 5
IL-22R + CD29	1135 ± 1046	1327 ± 983	963 ± 1174	1121 ± 1051	1294 ± 984
IL-22R + CD3	22 ± 34	15 ± 33	15 ± 33	28 ± 38	15 ± 33
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	14 ± 21	7 ± 14	7 ± 14	9 ± 13	7 ± 13
IL-22R + CD44	1267 ± 1026	1382 ± 998	1064 ± 1171	1292 ± 1022	1478 ± 945
IL-22R + CD45	20 ± 33	7 ± 10	7 ± 11	24 ± 44	8 ± 10
IL-22R + CD45RA	7 ± 15	6 ± 15	6 ± 15	6 ± 15	6 ± 15
IL-22R + CD45RO	9 ± 15	6 ± 10	4 ± 9	7 ± 10	4 ± 9
IL-22R + CD52	1 ± 2	0 ± 1	0 ± 1	30 ± 79	1 ± 1
IL-22R + CD54	74 ± 137	50 ± 131	50 ± 131	57 ± 130	50 ± 131
IL-22R + CD56	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + CD58	544 ± 622	762 ± 626	467 ± 672	564 ± 628	555 ± 617
IL-22R + CD62E	1 ± 2	0 ± 1	0 ± 1	1 ± 1	0 ± 1
IL-22R + CD62P	0 ± 0	1 ± 1	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	85 ± 127	117 ± 123	84 ± 128	90 ± 124	108 ± 116
IL-22R + CD7	14 ± 20	8 ± 20	8 ± 20	16 ± 25	8 ± 20
IL-22R + CD8a	10 ± 19	9 ± 20	9 ± 20	11 ± 19	10 ± 20
IL-22R + CK14	2231 ± 1613	2429 ± 1460	1852 ± 1870	2184 ± 1586	2576 ± 1439
IL-22R + CLA	31 ± 33	34 ± 32	29 ± 34	31 ± 32	42 ± 36
IL-22R + c-myc	412 ± 240	517 ± 463	337 ± 293	404 ± 248	446 ± 288
IL-22R + Collagen IV	40 ± 70	45 ± 67	39 ± 70	53 ± 67	52 ± 68
IL-22R + FXIIIA	8 ± 20	0 ± 1	0 ± 1	1 ± 1	0 ± 1
IL-22R + HLA-DR	617 ± 571	686 ± 641	504 ± 621	726 ± 678	644 ± 548
IL-22R + IL-23R	153 ± 184	262 ± 480	72 ± 92	169 ± 245	86 ± 90
IL-22R + Ki67	79 ± 126	128 ± 131	75 ± 128	79 ± 126	103 ± 117
IL-22R + PI	533 ± 535	809 ± 521	505 ± 562	604 ± 498	696 ± 446
IL-22R + Podoplanin	186 ± 447	177 ± 450	177 ± 450	274 ± 479	177 ± 450
IL-22R + SNA1	147 ± 121	174 ± 190	95 ± 131	115 ± 119	131 ± 114
IL-22R + STAT3	365 ± 326	650 ± 662	218 ± 263	312 ± 307	299 ± 277
IL-22R + TIA1	1 ± 2	3 ± 6	1 ± 2	2 ± 3	3 ± 4
IL-22R + Vimentin	188 ± 187	228 ± 167	170 ± 202	222 ± 181	240 ± 183

Tabelle 683: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-23R + BCL2	204 ± 345	59 ± 43	44 ± 40	87 ± 76	41 ± 42
IL-23R + CCR6	18 ± 25	11 ± 21	9 ± 22	31 ± 41	10 ± 21
IL-23R + CD11a	10 ± 12	3 ± 5	3 ± 5	19 ± 41	3 ± 5
IL-23R + CD11b	10 ± 19	8 ± 20	8 ± 20	11 ± 20	8 ± 20
IL-23R + CD120a	32 ± 50	13 ± 14	10 ± 14	27 ± 41	17 ± 20
IL-23R + CD120b	0 ± 0	0 ± 1	0 ± 0	3 ± 7	0 ± 0
IL-23R + CD138	680 ± 814	796 ± 1394	270 ± 561	574 ± 678	288 ± 555
IL-23R + CD15	4 ± 9	4 ± 9	4 ± 9	6 ± 9	4 ± 9
IL-23R + CD1a	29 ± 45	70 ± 117	25 ± 47	43 ± 46	33 ± 47
IL-23R + CD2	8 ± 10	4 ± 9	4 ± 9	13 ± 18	5 ± 9
IL-23R + CD207	22 ± 29	39 ± 58	17 ± 31	37 ± 43	23 ± 30
IL-23R + CD24	1 ± 3	1 ± 3	1 ± 3	3 ± 5	1 ± 3
IL-23R + CD28	4 ± 10	0 ± 1	0 ± 1	3 ± 7	0 ± 1
IL-23R + CD29	512 ± 905	514 ± 1008	115 ± 162	388 ± 415	131 ± 154
IL-23R + CD3	4 ± 6	1 ± 3	1 ± 3	12 ± 22	1 ± 3
IL-23R + CD31	4 ± 11	4 ± 11	4 ± 11	4 ± 11	4 ± 11
IL-23R + CD4	8 ± 14	6 ± 14	5 ± 14	26 ± 53	5 ± 14
IL-23R + CD44	408 ± 568	574 ± 1046	171 ± 347	383 ± 441	184 ± 341
IL-23R + CD45	11 ± 16	4 ± 8	4 ± 8	37 ± 85	5 ± 8
IL-23R + CD45RA	2 ± 3	2 ± 3	2 ± 3	3 ± 4	2 ± 3
IL-23R + CD45RO	9 ± 14	5 ± 12	5 ± 12	28 ± 59	5 ± 12
IL-23R + CD52	0 ± 1	0 ± 0	0 ± 0	22 ± 58	0 ± 0
IL-23R + CD54	28 ± 50	10 ± 26	10 ± 26	108 ± 255	10 ± 26
IL-23R + CD56	2 ± 4	0 ± 0	0 ± 0	2 ± 4	0 ± 0
IL-23R + CD58	208 ± 261	342 ± 620	95 ± 147	238 ± 290	106 ± 141
IL-23R + CD62E	5 ± 10	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-23R + CD62P	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
IL-23R + CD68	47 ± 55	53 ± 69	31 ± 53	47 ± 51	35 ± 51
IL-23R + CD7	5 ± 6	1 ± 3	1 ± 3	10 ± 22	1 ± 3
IL-23R + CD8a	2 ± 3	1 ± 1	1 ± 2	4 ± 5	1 ± 2
IL-23R + CK14	956 ± 1153	824 ± 1439	293 ± 580	836 ± 987	302 ± 577
IL-23R + CLA	4 ± 6	3 ± 6	3 ± 6	7 ± 11	6 ± 11
IL-23R + c-myc	521 ± 573	168 ± 296	182 ± 290	507 ± 648	169 ± 295
IL-23R + Collagen IV	33 ± 63	10 ± 16	9 ± 17	112 ± 270	9 ± 17
IL-23R + FXIIIA	18 ± 32	6 ± 17	6 ± 17	7 ± 17	6 ± 17
IL-23R + HLA-DR	179 ± 233	284 ± 617	45 ± 69	313 ± 506	55 ± 67
IL-23R + IL-22R	153 ± 184	262 ± 480	72 ± 92	169 ± 245	86 ± 90
IL-23R + Ki67	32 ± 60	56 ± 133	5 ± 9	8 ± 10	5 ± 8
IL-23R + PI	308 ± 624	359 ± 812	48 ± 104	138 ± 159	52 ± 103
IL-23R + Podoplanin	5 ± 9	3 ± 7	3 ± 7	100 ± 257	3 ± 7
IL-23R + SNA1	261 ± 581	129 ± 283	19 ± 28	52 ± 80	21 ± 27
IL-23R + STAT3	588 ± 691	716 ± 1396	184 ± 329	351 ± 495	182 ± 330
IL-23R + TIA1	0 ± 1	0 ± 0	0 ± 0	2 ± 6	0 ± 0
IL-23R + Vimentin	124 ± 167	121 ± 183	55 ± 106	196 ± 299	66 ± 104

Tabelle 684: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	0 ± 0	1 ± 1	0 ± 1	0 ± 0
Ki67 + BCL2	150 ± 195	104 ± 187	29 ± 43	31 ± 41	34 ± 40
Ki67 + CCR6	4 ± 6	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CD11a	18 ± 25	8 ± 17	8 ± 17	8 ± 17	9 ± 16
Ki67 + CD11b	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
Ki67 + CD120a	1 ± 1	4 ± 5	2 ± 3	1 ± 1	3 ± 3
Ki67 + CD120b	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CD138	580 ± 546	418 ± 503	233 ± 319	274 ± 312	282 ± 305
Ki67 + CD15	0 ± 0	6 ± 17	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD1a	3 ± 5	10 ± 12	3 ± 4	3 ± 4	3 ± 5
Ki67 + CD2	18 ± 27	7 ± 15	7 ± 15	7 ± 15	8 ± 15
Ki67 + CD207	10 ± 11	27 ± 34	10 ± 11	8 ± 9	8 ± 9
Ki67 + CD24	6 ± 17	6 ± 17	6 ± 17	6 ± 17	6 ± 17
Ki67 + CD28	7 ± 15	2 ± 4	2 ± 4	2 ± 4	2 ± 4
Ki67 + CD29	698 ± 649	512 ± 543	325 ± 526	341 ± 517	425 ± 492
Ki67 + CD3	17 ± 28	11 ± 26	11 ± 26	11 ± 26	11 ± 26
Ki67 + CD31	0 ± 1	1 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD4	6 ± 10	3 ± 8	3 ± 8	3 ± 8	3 ± 8
Ki67 + CD44	532 ± 477	367 ± 387	262 ± 401	324 ± 393	311 ± 375
Ki67 + CD45	12 ± 22	3 ± 7	3 ± 7	3 ± 7	3 ± 7
Ki67 + CD45RA	12 ± 20	8 ± 19	8 ± 19	8 ± 19	8 ± 19
Ki67 + CD45RO	9 ± 18	4 ± 8	3 ± 8	3 ± 8	3 ± 8
Ki67 + CD52	1 ± 2	0 ± 1	0 ± 1	1 ± 1	0 ± 1
Ki67 + CD54	66 ± 113	33 ± 87	33 ± 87	35 ± 86	33 ± 87
Ki67 + CD56	0 ± 0	0 ± 0	1 ± 2	0 ± 0	0 ± 0
Ki67 + CD58	139 ± 195	113 ± 175	88 ± 183	90 ± 182	89 ± 183
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD68	47 ± 53	80 ± 65	44 ± 55	50 ± 52	51 ± 50
Ki67 + CD7	20 ± 30	9 ± 23	9 ± 23	9 ± 23	9 ± 23
Ki67 + CD8a	9 ± 10	3 ± 4	3 ± 4	3 ± 4	5 ± 5
Ki67 + CK14	1602 ± 1127	1314 ± 884	897 ± 1012	1101 ± 981	1235 ± 866
Ki67 + CLA	17 ± 19	9 ± 16	9 ± 16	11 ± 16	12 ± 16
Ki67 + c-myc	147 ± 185	73 ± 111	49 ± 102	60 ± 99	48 ± 102
Ki67 + Collagen IV	53 ± 65	42 ± 52	25 ± 53	38 ± 51	27 ± 53
Ki67 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + HLA-DR	252 ± 316	185 ± 315	152 ± 321	270 ± 405	167 ± 317
Ki67 + IL-22R	79 ± 126	128 ± 131	75 ± 128	79 ± 126	103 ± 117
Ki67 + IL-23R	32 ± 60	56 ± 133	5 ± 9	8 ± 10	5 ± 8
Ki67 + PI	1370 ± 998	1149 ± 784	794 ± 895	991 ± 894	1061 ± 771
Ki67 + Podoplanin	65 ± 111	29 ± 71	28 ± 71	33 ± 71	28 ± 72
Ki67 + SNA1	215 ± 375	85 ± 136	28 ± 54	39 ± 51	35 ± 52
Ki67 + STAT3	46 ± 65	236 ± 533	18 ± 34	16 ± 35	18 ± 34
Ki67 + TIA1	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
Ki67 + Vimentin	137 ± 135	132 ± 133	78 ± 129	97 ± 126	92 ± 125

Tabelle 685: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	6 ± 7	3 ± 6	57 ± 142	3 ± 6	3 ± 6
PI + BCL2	1336 ± 1261	857 ± 856	546 ± 564	595 ± 529	585 ± 534
PI + CCR6	63 ± 121	23 ± 27	46 ± 75	52 ± 62	18 ± 18
PI + CD11a	623 ± 1183	103 ± 163	104 ± 162	287 ± 441	131 ± 150
PI + CD11b	79 ± 91	41 ± 80	42 ± 80	48 ± 77	41 ± 80
PI + CD120a	29 ± 18	58 ± 100	25 ± 16	38 ± 35	88 ± 168
PI + CD120b	27 ± 56	10 ± 15	5 ± 12	17 ± 27	7 ± 11
PI + CD138	4336 ± 5475	2161 ± 1770	1937 ± 996	2516 ± 2150	1632 ± 1077
PI + CD15	6 ± 9	33 ± 74	4 ± 9	22 ± 31	5 ± 9
PI + CD1a	38 ± 59	67 ± 87	21 ± 22	36 ± 37	23 ± 26
PI + CD2	634 ± 1227	133 ± 188	139 ± 184	229 ± 234	158 ± 173
PI + CD207	93 ± 125	159 ± 223	75 ± 76	112 ± 113	60 ± 37
PI + CD24	13 ± 21	6 ± 15	6 ± 15	9 ± 15	6 ± 15
PI + CD28	381 ± 936	23 ± 36	19 ± 37	31 ± 40	20 ± 36
PI + CD29	6304 ± 7008	3246 ± 2748	3004 ± 2705	3653 ± 2728	3126 ± 2652
PI + CD3	503 ± 968	108 ± 205	110 ± 204	262 ± 366	128 ± 197
PI + CD31	33 ± 44	9 ± 12	9 ± 12	9 ± 12	9 ± 12
PI + CD4	411 ± 916	49 ± 104	49 ± 104	157 ± 279	50 ± 104
PI + CD44	4405 ± 4832	2301 ± 1622	2712 ± 1998	3280 ± 2047	2114 ± 1570
PI + CD45	566 ± 1308	37 ± 57	37 ± 57	190 ± 392	38 ± 57
PI + CD45RA	161 ± 269	53 ± 93	54 ± 93	131 ± 198	64 ± 89
PI + CD45RO	417 ± 966	38 ± 87	37 ± 88	68 ± 106	35 ± 89
PI + CD52	43 ± 94	7 ± 9	6 ± 9	122 ± 299	7 ± 9
PI + CD54	1024 ± 2327	120 ± 303	120 ± 303	260 ± 435	120 ± 303
PI + CD56	16 ± 23	5 ± 8	85 ± 209	14 ± 22	7 ± 8
PI + CD58	922 ± 1205	852 ± 1178	595 ± 1244	954 ± 1395	606 ± 1238
PI + CD62E	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
PI + CD62P	8 ± 22	9 ± 22	8 ± 22	8 ± 22	8 ± 22
PI + CD68	929 ± 852	1091 ± 812	946 ± 830	929 ± 855	967 ± 803
PI + CD7	471 ± 973	60 ± 115	67 ± 113	179 ± 268	64 ± 113
PI + CD8a	245 ± 269	102 ± 178	112 ± 174	161 ± 188	132 ± 167
PI + CK14	12802 ± 8826	9085 ± 3951	9081 ± 4041	11291 ± 4558	9402 ± 3803
PI + CLA	243 ± 341	103 ± 123	106 ± 121	143 ± 109	149 ± 111
PI + c-myc	1527 ± 1366	840 ± 834	852 ± 832	1469 ± 1753	752 ± 733
PI + Collagen IV	587 ± 537	438 ± 433	429 ± 419	810 ± 960	401 ± 440
PI + FXIIIA	5 ± 5	4 ± 5	18 ± 28	9 ± 13	8 ± 9
PI + HLA-DR	2284 ± 2485	1201 ± 1418	1115 ± 1372	2361 ± 3136	1092 ± 1397
PI + IL-22R	533 ± 535	809 ± 521	505 ± 562	604 ± 498	696 ± 446
PI + IL-23R	308 ± 624	359 ± 812	48 ± 104	138 ± 159	52 ± 103
PI + Ki67	1370 ± 998	1149 ± 784	794 ± 895	991 ± 894	1061 ± 771
PI + Podoplanin	792 ± 1384	288 ± 719	337 ± 707	975 ± 1820	290 ± 719
PI + SNA1	1699 ± 2404	517 ± 537	350 ± 319	724 ± 945	313 ± 323
PI + STAT3	415 ± 616	1147 ± 2207	295 ± 471	195 ± 189	139 ± 145
PI + TIA1	23 ± 21	14 ± 16	18 ± 16	27 ± 30	14 ± 16
PI + Vimentin	1946 ± 1987	1199 ± 765	1249 ± 773	1565 ± 899	1074 ± 839

Tabelle 686: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	3 ± 9	3 ± 9	46 ± 112	4 ± 9	3 ± 9
Podoplanin + BCL2	138 ± 314	17 ± 36	16 ± 36	63 ± 124	16 ± 36
Podoplanin + CCR6	10 ± 15	4 ± 7	36 ± 84	75 ± 185	4 ± 7
Podoplanin + CD11a	74 ± 150	14 ± 38	14 ± 38	127 ± 293	14 ± 38
Podoplanin + CD11b	20 ± 39	15 ± 39	15 ± 39	24 ± 42	16 ± 39
Podoplanin + CD120a	6 ± 14	6 ± 14	6 ± 14	14 ± 24	6 ± 14
Podoplanin + CD120b	2 ± 3	1 ± 2	1 ± 2	49 ± 126	1 ± 2
Podoplanin + CD138	924 ± 1501	466 ± 1216	531 ± 1198	1767 ± 3436	472 ± 1213
Podoplanin + CD15	0 ± 0	0 ± 1	0 ± 0	7 ± 15	0 ± 0
Podoplanin + CD1a	8 ± 20	8 ± 20	8 ± 20	38 ± 79	8 ± 20
Podoplanin + CD2	52 ± 94	18 ± 47	18 ± 47	140 ± 319	18 ± 47
Podoplanin + CD207	5 ± 6	3 ± 5	3 ± 5	35 ± 84	3 ± 5
Podoplanin + CD24	54 ± 142	54 ± 142	54 ± 142	59 ± 140	54 ± 142
Podoplanin + CD28	19 ± 43	3 ± 7	3 ± 7	48 ± 115	3 ± 7
Podoplanin + CD29	1630 ± 2663	797 ± 2056	861 ± 2032	3101 ± 6080	803 ± 2053
Podoplanin + CD3	68 ± 117	29 ± 76	29 ± 76	406 ± 982	29 ± 76
Podoplanin + CD31	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Podoplanin + CD4	40 ± 70	15 ± 37	15 ± 37	129 ± 296	15 ± 37
Podoplanin + CD44	1887 ± 3108	912 ± 2340	909 ± 2341	3912 ± 7893	910 ± 2341
Podoplanin + CD45	44 ± 97	6 ± 15	6 ± 15	392 ± 1018	6 ± 15
Podoplanin + CD45RA	25 ± 40	12 ± 33	13 ± 33	52 ± 104	12 ± 33
Podoplanin + CD45RO	23 ± 38	11 ± 28	12 ± 28	67 ± 144	11 ± 28
Podoplanin + CD52	3 ± 5	1 ± 3	1 ± 3	673 ± 1777	1 ± 3
Podoplanin + CD54	751 ± 1551	159 ± 418	159 ± 418	643 ± 1279	159 ± 418
Podoplanin + CD56	3 ± 4	1 ± 2	48 ± 123	15 ± 37	2 ± 3
Podoplanin + CD58	561 ± 1324	511 ± 1343	509 ± 1344	2437 ± 5053	509 ± 1344
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	61 ± 96	43 ± 84	38 ± 84	49 ± 86	39 ± 84
Podoplanin + CD7	55 ± 111	13 ± 33	14 ± 32	306 ± 766	13 ± 33
Podoplanin + CD8a	42 ± 72	26 ± 68	26 ± 68	81 ± 152	26 ± 68
Podoplanin + CK14	2505 ± 4110	1290 ± 3254	1343 ± 3234	5580 ± 11290	1285 ± 3256
Podoplanin + CLA	48 ± 81	24 ± 62	24 ± 62	57 ± 99	24 ± 62
Podoplanin + c-myc	423 ± 675	238 ± 580	291 ± 581	1145 ± 2400	230 ± 583
Podoplanin + Collagen IV	221 ± 346	135 ± 305	126 ± 308	668 ± 1419	128 ± 307
Podoplanin + FXIIIA	8 ± 15	7 ± 16	20 ± 35	8 ± 16	7 ± 16
Podoplanin + HLA-DR	1036 ± 1687	575 ± 1482	582 ± 1479	1172 ± 1959	576 ± 1482
Podoplanin + IL-22R	186 ± 447	177 ± 450	177 ± 450	274 ± 479	177 ± 450
Podoplanin + IL-23R	5 ± 9	3 ± 7	3 ± 7	100 ± 257	3 ± 7
Podoplanin + Ki67	65 ± 111	29 ± 71	28 ± 71	33 ± 71	28 ± 72
Podoplanin + PI	792 ± 1384	288 ± 719	337 ± 707	975 ± 1820	290 ± 719
Podoplanin + SNA1	304 ± 427	156 ± 359	145 ± 363	907 ± 1983	150 ± 361
Podoplanin + STAT3	5 ± 14	0 ± 0	65 ± 171	26 ± 70	0 ± 1
Podoplanin + TIA1	7 ± 11	3 ± 8	5 ± 7	20 ± 43	3 ± 8
Podoplanin + Vimentin	371 ± 605	201 ± 497	204 ± 496	702 ± 1338	198 ± 498

Tabelle 687: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	13 ± 17	5 ± 14	7 ± 14	6 ± 14	5 ± 14
SNA1 + BCL2	612 ± 802	130 ± 92	121 ± 100	148 ± 99	117 ± 103
SNA1 + CCR6	56 ± 99	11 ± 20	13 ± 19	39 ± 66	13 ± 19
SNA1 + CD11a	586 ± 1060	63 ± 131	65 ± 131	220 ± 404	70 ± 128
SNA1 + CD11b	254 ± 329	129 ± 311	131 ± 310	215 ± 342	143 ± 305
SNA1 + CD120a	34 ± 29	17 ± 14	19 ± 13	41 ± 56	34 ± 35
SNA1 + CD120b	42 ± 78	11 ± 27	11 ± 27	29 ± 49	13 ± 27
SNA1 + CD138	2980 ± 4612	639 ± 1010	351 ± 550	554 ± 629	321 ± 562
SNA1 + CD15	26 ± 43	15 ± 19	9 ± 14	120 ± 200	9 ± 14
SNA1 + CD1a	40 ± 64	33 ± 52	17 ± 21	37 ± 63	14 ± 21
SNA1 + CD2	442 ± 908	62 ± 95	65 ± 95	157 ± 248	71 ± 94
SNA1 + CD207	59 ± 127	33 ± 60	26 ± 34	39 ± 75	9 ± 7
SNA1 + CD24	26 ± 44	14 ± 36	17 ± 36	58 ± 111	14 ± 36
SNA1 + CD28	347 ± 839	14 ± 25	14 ± 25	35 ± 59	19 ± 27
SNA1 + CD29	5962 ± 7108	1974 ± 2165	1719 ± 2027	2506 ± 2742	1613 ± 2058
SNA1 + CD3	356 ± 719	45 ± 92	46 ± 92	266 ± 533	54 ± 89
SNA1 + CD31	89 ± 123	22 ± 34	22 ± 34	32 ± 36	25 ± 33
SNA1 + CD4	481 ± 986	70 ± 143	71 ± 142	204 ± 352	75 ± 140
SNA1 + CD44	3730 ± 4956	1028 ± 1353	1043 ± 1287	1668 ± 2217	777 ± 1220
SNA1 + CD45	610 ± 1340	31 ± 69	36 ± 68	212 ± 476	31 ± 69
SNA1 + CD45RA	136 ± 249	32 ± 62	34 ± 61	82 ± 130	35 ± 60
SNA1 + CD45RO	411 ± 927	29 ± 76	34 ± 75	105 ± 201	29 ± 76
SNA1 + CD52	49 ± 95	7 ± 13	7 ± 13	178 ± 438	8 ± 13
SNA1 + CD54	939 ± 1972	139 ± 339	140 ± 339	334 ± 560	140 ± 339
SNA1 + CD56	29 ± 38	8 ± 9	11 ± 8	64 ± 146	16 ± 21
SNA1 + CD58	1036 ± 1727	370 ± 753	309 ± 768	717 ± 1208	311 ± 768
SNA1 + CD62E	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
SNA1 + CD62P	3 ± 7	3 ± 6	3 ± 7	3 ± 7	3 ± 7
SNA1 + CD68	533 ± 451	554 ± 398	468 ± 419	428 ± 434	462 ± 415
SNA1 + CD7	379 ± 745	25 ± 57	39 ± 64	170 ± 345	28 ± 56
SNA1 + CD8a	185 ± 238	47 ± 66	45 ± 66	91 ± 97	60 ± 66
SNA1 + CK14	7668 ± 7313	3675 ± 2279	3936 ± 2442	4795 ± 3000	3539 ± 2064
SNA1 + CLA	160 ± 231	40 ± 59	49 ± 59	97 ± 126	55 ± 56
SNA1 + c-myc	6632 ± 5768	2781 ± 3131	3190 ± 2846	5563 ± 5302	3265 ± 2819
SNA1 + Collagen IV	4466 ± 3668	2599 ± 2564	3333 ± 3022	4439 ± 4275	2689 ± 2538
SNA1 + FXIIIA	37 ± 84	36 ± 85	38 ± 84	40 ± 83	39 ± 84
SNA1 + HLA-DR	2655 ± 3239	854 ± 1246	783 ± 1192	1227 ± 1302	693 ± 1208
SNA1 + IL-22R	147 ± 121	174 ± 190	95 ± 131	115 ± 119	131 ± 114
SNA1 + IL-23R	261 ± 581	129 ± 283	19 ± 28	52 ± 80	21 ± 27
SNA1 + Ki67	215 ± 375	85 ± 136	28 ± 54	39 ± 51	35 ± 52
SNA1 + PI	1699 ± 2404	517 ± 537	350 ± 319	724 ± 945	313 ± 323
SNA1 + Podoplanin	304 ± 427	156 ± 359	145 ± 363	907 ± 1983	150 ± 361
SNA1 + STAT3	332 ± 812	447 ± 1169	17 ± 35	15 ± 28	4 ± 5
SNA1 + TIA1	24 ± 35	6 ± 13	6 ± 13	64 ± 150	8 ± 13
SNA1 + Vimentin	1644 ± 1769	800 ± 890	738 ± 786	1013 ± 1094	616 ± 785

Tabelle 688: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	1 ± 3	0 ± 0	76 ± 201	0 ± 0	0 ± 0
STAT3 + BCL2	162 ± 165	339 ± 633	68 ± 65	75 ± 64	65 ± 68
STAT3 + CCR6	17 ± 25	30 ± 54	47 ± 103	21 ± 33	9 ± 19
STAT3 + CD11a	16 ± 24	2 ± 3	2 ± 3	3 ± 3	2 ± 3
STAT3 + CD11b	4 ± 7	2 ± 5	2 ± 5	8 ± 16	2 ± 5
STAT3 + CD120a	26 ± 44	19 ± 24	8 ± 11	9 ± 11	38 ± 81
STAT3 + CD120b	1 ± 2	2 ± 4	0 ± 0	0 ± 1	0 ± 0
STAT3 + CD138	1315 ± 1298	1813 ± 2854	776 ± 854	827 ± 687	587 ± 573
STAT3 + CD15	1 ± 2	3 ± 4	1 ± 2	2 ± 2	1 ± 2
STAT3 + CD1a	42 ± 56	106 ± 136	30 ± 45	41 ± 46	36 ± 49
STAT3 + CD2	19 ± 28	4 ± 8	4 ± 8	13 ± 18	4 ± 8
STAT3 + CD207	29 ± 23	117 ± 160	38 ± 40	45 ± 40	26 ± 24
STAT3 + CD24	0 ± 1	0 ± 0	0 ± 0	2 ± 4	0 ± 0
STAT3 + CD28	15 ± 39	0 ± 1	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD29	876 ± 1256	1452 ± 2544	455 ± 554	460 ± 428	294 ± 361
STAT3 + CD3	12 ± 23	2 ± 4	2 ± 4	8 ± 11	2 ± 4
STAT3 + CD31	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD4	11 ± 26	2 ± 3	0 ± 1	1 ± 2	0 ± 1
STAT3 + CD44	725 ± 838	1104 ± 1835	372 ± 374	547 ± 459	374 ± 362
STAT3 + CD45	22 ± 46	2 ± 2	1 ± 2	4 ± 6	1 ± 2
STAT3 + CD45RA	2 ± 4	1 ± 4	2 ± 4	1 ± 4	1 ± 4
STAT3 + CD45RO	11 ± 25	0 ± 0	1 ± 3	7 ± 17	0 ± 0
STAT3 + CD52	1 ± 3	1 ± 1	0 ± 0	9 ± 23	0 ± 0
STAT3 + CD54	33 ± 87	0 ± 1	0 ± 1	4 ± 9	0 ± 1
STAT3 + CD56	4 ± 9	0 ± 1	113 ± 297	0 ± 1	0 ± 1
STAT3 + CD58	438 ± 497	648 ± 734	193 ± 250	232 ± 227	223 ± 239
STAT3 + CD62E	7 ± 11	3 ± 6	3 ± 6	3 ± 6	3 ± 6
STAT3 + CD62P	5 ± 11	4 ± 11	4 ± 11	4 ± 11	4 ± 11
STAT3 + CD68	13 ± 10	97 ± 208	18 ± 24	14 ± 10	10 ± 10
STAT3 + CD7	17 ± 28	1 ± 3	1 ± 3	5 ± 10	1 ± 3
STAT3 + CD8a	13 ± 29	2 ± 3	1 ± 3	3 ± 4	1 ± 3
STAT3 + CK14	1686 ± 1833	2183 ± 3447	853 ± 920	927 ± 704	641 ± 582
STAT3 + CLA	7 ± 9	8 ± 14	4 ± 9	5 ± 9	5 ± 9
STAT3 + c-myc	650 ± 611	514 ± 684	550 ± 704	333 ± 316	253 ± 303
STAT3 + Collagen IV	29 ± 77	95 ± 250	23 ± 62	0 ± 1	0 ± 0
STAT3 + FXIIIA	12 ± 31	0 ± 0	14 ± 38	0 ± 0	0 ± 0
STAT3 + HLA-DR	338 ± 409	510 ± 1106	120 ± 107	341 ± 613	95 ± 74
STAT3 + IL-22R	365 ± 326	650 ± 662	218 ± 263	312 ± 307	299 ± 277
STAT3 + IL-23R	588 ± 691	716 ± 1396	184 ± 329	351 ± 495	182 ± 330
STAT3 + Ki67	46 ± 65	236 ± 533	18 ± 34	16 ± 35	18 ± 34
STAT3 + PI	415 ± 616	1147 ± 2207	295 ± 471	195 ± 189	139 ± 145
STAT3 + Podoplanin	5 ± 14	0 ± 0	65 ± 171	26 ± 70	0 ± 1
STAT3 + SNA1	332 ± 812	447 ± 1169	17 ± 35	15 ± 28	4 ± 5
STAT3 + TIA1	1 ± 2	3 ± 8	1 ± 3	4 ± 9	0 ± 0
STAT3 + Vimentin	59 ± 60	269 ± 612	50 ± 72	57 ± 60	28 ± 30

Tabelle 689: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	0 ± 1	0 ± 1	1 ± 3	0 ± 1	0 ± 1
TIA1 + BCL2	14 ± 16	12 ± 16	9 ± 16	12 ± 15	9 ± 15
TIA1 + CCR6	4 ± 6	2 ± 2	3 ± 3	4 ± 3	2 ± 2
TIA1 + CD11a	36 ± 38	14 ± 24	15 ± 23	36 ± 56	15 ± 23
TIA1 + CD11b	17 ± 29	7 ± 20	7 ± 20	65 ± 150	7 ± 20
TIA1 + CD120a	3 ± 7	0 ± 0	0 ± 0	0 ± 1	0 ± 0
TIA1 + CD120b	1 ± 2	1 ± 1	0 ± 1	2 ± 3	1 ± 1
TIA1 + CD138	12 ± 14	7 ± 10	5 ± 7	7 ± 8	5 ± 7
TIA1 + CD15	4 ± 9	3 ± 9	3 ± 9	49 ± 119	3 ± 9
TIA1 + CD1a	0 ± 0	1 ± 1	0 ± 0	0 ± 1	0 ± 0
TIA1 + CD2	36 ± 37	20 ± 32	21 ± 32	37 ± 46	22 ± 31
TIA1 + CD207	0 ± 1	1 ± 1	0 ± 0	0 ± 1	0 ± 0
TIA1 + CD24	1 ± 3	1 ± 3	1 ± 3	40 ± 102	1 ± 3
TIA1 + CD28	3 ± 5	1 ± 3	1 ± 3	2 ± 4	2 ± 3
TIA1 + CD29	38 ± 41	20 ± 35	23 ± 34	44 ± 68	20 ± 35
TIA1 + CD3	26 ± 30	18 ± 32	19 ± 31	39 ± 58	20 ± 30
TIA1 + CD31	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
TIA1 + CD4	8 ± 12	2 ± 5	2 ± 5	8 ± 17	2 ± 5
TIA1 + CD44	32 ± 39	12 ± 25	14 ± 25	53 ± 107	12 ± 24
TIA1 + CD45	20 ± 25	5 ± 11	5 ± 11	30 ± 64	6 ± 11
TIA1 + CD45RA	16 ± 16	10 ± 17	11 ± 16	15 ± 17	11 ± 16
TIA1 + CD45RO	10 ± 13	3 ± 8	3 ± 8	16 ± 34	3 ± 8
TIA1 + CD52	4 ± 5	2 ± 4	2 ± 4	24 ± 57	2 ± 4
TIA1 + CD54	15 ± 23	5 ± 14	5 ± 14	17 ± 31	5 ± 14
TIA1 + CD56	0 ± 1	0 ± 0	1 ± 3	3 ± 7	0 ± 0
TIA1 + CD58	13 ± 21	11 ± 20	8 ± 20	21 ± 36	9 ± 20
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
TIA1 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + CD68	21 ± 29	18 ± 31	18 ± 31	21 ± 29	20 ± 30
TIA1 + CD7	28 ± 32	14 ± 28	16 ± 27	36 ± 50	15 ± 27
TIA1 + CD8a	40 ± 42	25 ± 44	28 ± 43	41 ± 52	27 ± 43
TIA1 + CK14	57 ± 52	31 ± 44	35 ± 43	60 ± 76	34 ± 43
TIA1 + CLA	22 ± 21	13 ± 22	16 ± 21	23 ± 28	16 ± 21
TIA1 + c-myc	28 ± 40	16 ± 32	15 ± 31	76 ± 162	17 ± 31
TIA1 + Collagen IV	15 ± 23	10 ± 22	10 ± 21	50 ± 102	12 ± 21
TIA1 + FXIIIA	0 ± 0	0 ± 0	1 ± 2	2 ± 4	0 ± 0
TIA1 + HLA-DR	29 ± 37	10 ± 24	11 ± 23	30 ± 48	11 ± 23
TIA1 + IL-22R	1 ± 2	3 ± 6	1 ± 2	2 ± 3	3 ± 4
TIA1 + IL-23R	0 ± 1	0 ± 0	0 ± 0	2 ± 6	0 ± 0
TIA1 + Ki67	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
TIA1 + PI	23 ± 21	14 ± 16	18 ± 16	27 ± 30	14 ± 16
TIA1 + Podoplanin	7 ± 11	3 ± 8	5 ± 7	20 ± 43	3 ± 8
TIA1 + SNA1	24 ± 35	6 ± 13	6 ± 13	64 ± 150	8 ± 13
TIA1 + STAT3	1 ± 2	3 ± 8	1 ± 3	4 ± 9	0 ± 0
TIA1 + Vimentin	36 ± 48	22 ± 46	24 ± 45	32 ± 46	22 ± 45

Tabelle 690: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Non-Responder identifizierten n=2 Patienten (basale Epidermis)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	10 ± 12	6 ± 12	11 ± 16	7 ± 12	6 ± 12
Vimentin + BCL2	934 ± 990	355 ± 243	362 ± 228	467 ± 256	345 ± 232
Vimentin + CCR6	100 ± 172	30 ± 51	44 ± 48	121 ± 161	39 ± 50
Vimentin + CD11a	498 ± 846	132 ± 286	136 ± 284	281 ± 424	137 ± 284
Vimentin + CD11b	154 ± 293	122 ± 303	122 ± 303	129 ± 300	126 ± 301
Vimentin + CD120a	31 ± 26	34 ± 28	35 ± 22	59 ± 47	62 ± 85
Vimentin + CD120b	23 ± 39	8 ± 19	7 ± 19	14 ± 23	9 ± 19
Vimentin + CD138	1552 ± 2023	668 ± 771	679 ± 675	920 ± 836	579 ± 708
Vimentin + CD15	18 ± 40	56 ± 102	17 ± 40	53 ± 89	18 ± 40
Vimentin + CD1a	77 ± 98	75 ± 64	51 ± 46	86 ± 76	63 ± 58
Vimentin + CD2	557 ± 970	170 ± 329	183 ± 324	276 ± 364	182 ± 323
Vimentin + CD207	114 ± 141	104 ± 59	99 ± 65	159 ± 150	82 ± 39
Vimentin + CD24	15 ± 38	15 ± 38	15 ± 38	17 ± 38	15 ± 38
Vimentin + CD28	268 ± 594	32 ± 73	32 ± 73	39 ± 72	35 ± 73
Vimentin + CD29	3337 ± 3373	1842 ± 2161	1919 ± 2155	2289 ± 2189	1749 ± 2175
Vimentin + CD3	420 ± 705	138 ± 314	142 ± 313	269 ± 389	148 ± 310
Vimentin + CD31	50 ± 63	13 ± 31	13 ± 31	17 ± 31	16 ± 30
Vimentin + CD4	346 ± 627	92 ± 222	93 ± 221	212 ± 345	94 ± 221
Vimentin + CD44	2282 ± 2560	1207 ± 1639	1546 ± 1765	1872 ± 1838	1144 ± 1644
Vimentin + CD45	467 ± 995	60 ± 130	67 ± 128	171 ± 298	60 ± 130
Vimentin + CD45RA	134 ± 208	61 ± 144	61 ± 144	106 ± 166	62 ± 143
Vimentin + CD45RO	379 ± 778	65 ± 170	71 ± 168	112 ± 188	65 ± 170
Vimentin + CD52	45 ± 87	12 ± 25	11 ± 25	94 ± 213	12 ± 25
Vimentin + CD54	708 ± 1246	234 ± 609	234 ± 609	462 ± 779	235 ± 608
Vimentin + CD56	15 ± 13	6 ± 5	17 ± 28	30 ± 62	6 ± 5
Vimentin + CD58	564 ± 954	455 ± 969	412 ± 986	701 ± 1139	415 ± 985
Vimentin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Vimentin + CD62P	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
Vimentin + CD68	1180 ± 854	1173 ± 787	1131 ± 814	1120 ± 858	1153 ± 819
Vimentin + CD7	376 ± 684	87 ± 204	102 ± 201	187 ± 284	91 ± 202
Vimentin + CD8a	177 ± 237	86 ± 187	88 ± 186	118 ± 187	89 ± 186
Vimentin + CK14	4316 ± 3423	3018 ± 2877	3315 ± 2922	4141 ± 3128	3011 ± 2939
Vimentin + CLA	244 ± 324	124 ± 204	132 ± 203	170 ± 197	158 ± 197
Vimentin + c-myc	1606 ± 1665	903 ± 1613	963 ± 1583	1694 ± 2140	1009 ± 1574
Vimentin + Collagen IV	960 ± 1028	781 ± 1023	778 ± 1014	1048 ± 1252	708 ± 1041
Vimentin + FXIIIA	20 ± 43	19 ± 43	24 ± 42	28 ± 45	19 ± 43
Vimentin + HLA-DR	1699 ± 1904	955 ± 1478	964 ± 1457	1544 ± 1652	901 ± 1477
Vimentin + IL-22R	188 ± 187	228 ± 167	170 ± 202	222 ± 181	240 ± 183
Vimentin + IL-23R	124 ± 167	121 ± 183	55 ± 106	196 ± 299	66 ± 104
Vimentin + Ki67	137 ± 135	132 ± 133	78 ± 129	97 ± 126	92 ± 125
Vimentin + PI	1946 ± 1987	1199 ± 765	1249 ± 773	1565 ± 899	1074 ± 839
Vimentin + Podoplanin	371 ± 605	201 ± 497	204 ± 496	702 ± 1338	198 ± 498
Vimentin + SNA1	1644 ± 1769	800 ± 890	738 ± 786	1013 ± 1094	616 ± 785
Vimentin + STAT3	59 ± 60	269 ± 612	50 ± 72	57 ± 60	28 ± 30
Vimentin + TIA1	36 ± 48	22 ± 46	24 ± 45	32 ± 46	22 ± 45

1.1.16 Duale Koexpression der Th17-Zellen für alle Patienten

Tabelle 691: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	6 ± 16	0 ± 1	1 ± 2	3 ± 9	25 ± 78
Aktin + CCR6	6 ± 10	1 ± 3	2 ± 3	13 ± 35	5 ± 12
Aktin + CD11a	19 ± 40	4 ± 7	4 ± 6	18 ± 47	11 ± 16
Aktin + CD11b	5 ± 8	4 ± 8	4 ± 8	5 ± 9	8 ± 11
Aktin + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	4 ± 12	0 ± 1	0 ± 1	0 ± 1	15 ± 48
Aktin + CD138	3 ± 7	1 ± 2	1 ± 2	5 ± 15	1 ± 2
Aktin + CD15	0 ± 1	0 ± 0	0 ± 0	4 ± 13	0 ± 0
Aktin + CD1a	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	26 ± 53	6 ± 10	6 ± 10	12 ± 19	63 ± 136
Aktin + CD207	0 ± 0	0 ± 1	0 ± 0	0 ± 1	0 ± 0
Aktin + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	24 ± 61	4 ± 7	4 ± 7	14 ± 27	51 ± 124
Aktin + CD29	37 ± 69	12 ± 18	14 ± 17	30 ± 53	58 ± 110
Aktin + CD3	32 ± 69	8 ± 15	9 ± 14	23 ± 43	43 ± 68
Aktin + CD31	25 ± 54	9 ± 15	12 ± 15	15 ± 18	59 ± 136
Aktin + CD4	37 ± 69	12 ± 18	14 ± 18	18 ± 21	69 ± 135
Aktin + CD44	11 ± 15	7 ± 13	6 ± 12	20 ± 46	16 ± 28
Aktin + CD45	18 ± 40	3 ± 4	2 ± 2	13 ± 35	22 ± 45
Aktin + CD45RA	5 ± 5	3 ± 5	2 ± 5	9 ± 21	5 ± 6
Aktin + CD45RO	9 ± 15	1 ± 2	1 ± 2	14 ± 42	12 ± 30
Aktin + CD52	25 ± 65	3 ± 6	3 ± 6	21 ± 58	49 ± 120
Aktin + CD54	24 ± 31	12 ± 18	14 ± 18	24 ± 45	32 ± 36
Aktin + CD56	7 ± 12	1 ± 3	1 ± 3	10 ± 31	1 ± 3
Aktin + CD58	25 ± 64	6 ± 10	5 ± 9	11 ± 14	50 ± 137
Aktin + CD62E	5 ± 9	4 ± 9	4 ± 9	6 ± 11	8 ± 10
Aktin + CD62P	6 ± 11	5 ± 11	5 ± 11	7 ± 12	11 ± 12
Aktin + CD68	9 ± 14	5 ± 11	8 ± 12	16 ± 30	36 ± 79
Aktin + CD7	5 ± 6	3 ± 5	3 ± 5	12 ± 30	9 ± 11
Aktin + CD8a	5 ± 14	1 ± 4	0 ± 0	2 ± 7	5 ± 10
Aktin + CK14	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
Aktin + CLA	1 ± 2	1 ± 2	0 ± 1	3 ± 10	2 ± 4
Aktin + c-myc	7 ± 9	2 ± 4	3 ± 5	12 ± 32	2 ± 4
Aktin + Collagen IV	24 ± 55	7 ± 11	8 ± 11	17 ± 26	44 ± 71
Aktin + FXIIIA	5 ± 9	2 ± 3	2 ± 3	11 ± 30	2 ± 3
Aktin + HLA-DR	16 ± 16	11 ± 15	10 ± 15	25 ± 47	30 ± 38
Aktin + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + IL-23R	7 ± 19	1 ± 2	1 ± 2	2 ± 3	14 ± 32
Aktin + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Aktin + PI	29 ± 62	7 ± 13	8 ± 13	21 ± 41	51 ± 100
Aktin + Podoplanin	3 ± 6	1 ± 3	2 ± 3	9 ± 27	1 ± 3
Aktin + SNA1	24 ± 41	10 ± 14	12 ± 14	15 ± 18	34 ± 54
Aktin + STAT3	5 ± 8	2 ± 3	2 ± 3	10 ± 26	4 ± 7
Aktin + TIA1	4 ± 6	3 ± 7	3 ± 7	7 ± 15	4 ± 8
Aktin + Vimentin	21 ± 33	8 ± 11	9 ± 11	15 ± 28	13 ± 17

Tabelle 692: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	6 ± 16	0 ± 1	1 ± 2	3 ± 9	25 ± 78
BCL2 + CCR6	112 ± 119	45 ± 85	86 ± 109	354 ± 593	307 ± 548
BCL2 + CD11a	225 ± 189	106 ± 181	194 ± 236	574 ± 875	542 ± 858
BCL2 + CD11b	44 ± 59	34 ± 60	35 ± 60	60 ± 66	279 ± 495
BCL2 + CD120a	8 ± 25	8 ± 25	8 ± 25	8 ± 25	12 ± 27
BCL2 + CD120b	40 ± 61	8 ± 23	17 ± 29	69 ± 116	346 ± 747
BCL2 + CD138	33 ± 92	28 ± 93	28 ± 92	30 ± 92	29 ± 92
BCL2 + CD15	2 ± 3	1 ± 3	2 ± 3	4 ± 6	2 ± 2
BCL2 + CD1a	15 ± 38	13 ± 39	13 ± 39	16 ± 39	35 ± 68
BCL2 + CD2	240 ± 211	117 ± 204	204 ± 248	587 ± 869	632 ± 1017
BCL2 + CD207	41 ± 105	36 ± 106	40 ± 105	51 ± 108	69 ± 125
BCL2 + CD24	1 ± 1	1 ± 1	1 ± 1	3 ± 6	1 ± 1
BCL2 + CD28	190 ± 170	76 ± 146	151 ± 215	453 ± 702	547 ± 972
BCL2 + CD29	58 ± 58	21 ± 43	29 ± 42	95 ± 178	70 ± 86
BCL2 + CD3	237 ± 213	110 ± 197	203 ± 253	584 ± 878	612 ± 995
BCL2 + CD31	6 ± 14	1 ± 2	2 ± 3	5 ± 11	33 ± 85
BCL2 + CD4	225 ± 203	102 ± 187	181 ± 226	559 ± 855	614 ± 1020
BCL2 + CD44	219 ± 174	126 ± 196	213 ± 235	513 ± 697	412 ± 541
BCL2 + CD45	211 ± 177	96 ± 168	180 ± 218	562 ± 872	532 ± 861
BCL2 + CD45RA	50 ± 45	21 ± 40	33 ± 39	115 ± 191	136 ± 239
BCL2 + CD45RO	149 ± 146	54 ± 112	125 ± 190	475 ± 799	515 ± 959
BCL2 + CD52	178 ± 175	80 ± 167	161 ± 228	492 ± 791	530 ± 919
BCL2 + CD54	170 ± 165	72 ± 142	115 ± 157	467 ± 772	402 ± 646
BCL2 + CD56	3 ± 5	1 ± 1	1 ± 2	10 ± 24	5 ± 12
BCL2 + CD58	61 ± 90	38 ± 79	39 ± 79	164 ± 363	314 ± 603
BCL2 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
BCL2 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
BCL2 + CD68	51 ± 52	28 ± 51	48 ± 60	186 ± 330	154 ± 275
BCL2 + CD7	138 ± 130	65 ± 130	139 ± 188	452 ± 716	429 ± 735
BCL2 + CD8a	65 ± 63	38 ± 66	65 ± 75	183 ± 262	288 ± 533
BCL2 + CK14	53 ± 159	49 ± 160	49 ± 160	51 ± 159	49 ± 160
BCL2 + CLA	82 ± 71	53 ± 76	78 ± 81	181 ± 263	131 ± 149
BCL2 + c-myc	47 ± 140	43 ± 141	45 ± 140	49 ± 140	46 ± 140
BCL2 + Collagen IV	10 ± 20	2 ± 5	5 ± 5	22 ± 42	29 ± 46
BCL2 + FXIIIA	7 ± 8	5 ± 8	12 ± 16	61 ± 120	80 ± 153
BCL2 + HLA-DR	193 ± 146	107 ± 159	169 ± 182	386 ± 524	356 ± 463
BCL2 + IL-22R	37 ± 119	37 ± 119	37 ± 119	37 ± 119	39 ± 119
BCL2 + IL-23R	13 ± 26	5 ± 12	6 ± 12	9 ± 13	26 ± 53
BCL2 + Ki67	2 ± 5	1 ± 5	2 ± 5	4 ± 7	1 ± 5
BCL2 + PI	214 ± 183	109 ± 186	183 ± 211	432 ± 626	538 ± 830
BCL2 + Podoplanin	15 ± 32	5 ± 13	7 ± 13	27 ± 37	18 ± 37
BCL2 + SNA1	58 ± 71	19 ± 35	43 ± 56	48 ± 45	48 ± 63
BCL2 + STAT3	11 ± 31	9 ± 31	10 ± 31	16 ± 33	11 ± 31
BCL2 + TIA1	25 ± 28	12 ± 26	15 ± 26	39 ± 67	62 ± 98
BCL2 + Vimentin	178 ± 153	72 ± 114	136 ± 154	421 ± 662	203 ± 231

Tabelle 693: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	6 ± 10	1 ± 3	2 ± 3	13 ± 35	5 ± 12
CCR6 + BCL2	112 ± 119	45 ± 85	86 ± 109	354 ± 593	307 ± 548
CCR6 + CD11a	385 ± 391	187 ± 369	279 ± 350	1097 ± 1509	641 ± 829
CCR6 + CD11b	114 ± 195	86 ± 196	90 ± 195	161 ± 226	318 ± 437
CCR6 + CD120a	1 ± 1	0 ± 1	0 ± 1	3 ± 4	4 ± 9
CCR6 + CD120b	70 ± 106	26 ± 75	38 ± 76	114 ± 142	324 ± 673
CCR6 + CD138	9 ± 20	1 ± 2	1 ± 2	7 ± 15	2 ± 2
CCR6 + CD15	1 ± 2	0 ± 1	0 ± 1	9 ± 17	1 ± 2
CCR6 + CD1a	6 ± 9	3 ± 8	3 ± 8	10 ± 14	23 ± 40
CCR6 + CD2	382 ± 391	191 ± 374	278 ± 354	1029 ± 1328	739 ± 994
CCR6 + CD207	15 ± 20	7 ± 18	11 ± 18	38 ± 67	43 ± 56
CCR6 + CD24	5 ± 6	2 ± 3	3 ± 4	10 ± 21	3 ± 3
CCR6 + CD28	324 ± 339	150 ± 318	222 ± 307	853 ± 1146	624 ± 926
CCR6 + CD29	76 ± 90	27 ± 50	33 ± 48	121 ± 202	63 ± 80
CCR6 + CD3	408 ± 406	199 ± 384	297 ± 362	1162 ± 1504	765 ± 1024
CCR6 + CD31	3 ± 4	2 ± 3	2 ± 3	6 ± 9	6 ± 12
CCR6 + CD4	382 ± 384	192 ± 375	277 ± 352	1044 ± 1389	749 ± 1008
CCR6 + CD44	373 ± 363	182 ± 334	279 ± 314	1009 ± 1251	602 ± 675
CCR6 + CD45	374 ± 380	172 ± 339	265 ± 319	1085 ± 1483	621 ± 792
CCR6 + CD45RA	89 ± 95	47 ± 94	58 ± 90	215 ± 279	147 ± 202
CCR6 + CD45RO	259 ± 300	111 ± 268	176 ± 265	824 ± 1144	570 ± 961
CCR6 + CD52	318 ± 355	161 ± 339	237 ± 327	941 ± 1307	637 ± 900
CCR6 + CD54	317 ± 325	138 ± 273	186 ± 259	837 ± 1249	505 ± 668
CCR6 + CD56	14 ± 24	4 ± 9	6 ± 9	32 ± 62	8 ± 11
CCR6 + CD58	52 ± 92	37 ± 95	38 ± 95	262 ± 611	266 ± 522
CCR6 + CD62E	1 ± 1	0 ± 0	0 ± 0	1 ± 1	1 ± 1
CCR6 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CCR6 + CD68	90 ± 167	55 ± 164	72 ± 160	265 ± 420	154 ± 245
CCR6 + CD7	249 ± 276	121 ± 263	194 ± 256	835 ± 1153	471 ± 671
CCR6 + CD8a	112 ± 136	68 ± 138	90 ± 132	336 ± 405	278 ± 426
CCR6 + CK14	10 ± 18	3 ± 8	3 ± 8	6 ± 9	4 ± 8
CCR6 + CLA	114 ± 119	64 ± 107	90 ± 103	274 ± 329	157 ± 137
CCR6 + c-myc	6 ± 12	1 ± 2	1 ± 2	20 ± 61	2 ± 2
CCR6 + Collagen IV	15 ± 24	8 ± 19	12 ± 19	55 ± 87	39 ± 89
CCR6 + FXIIIA	19 ± 22	10 ± 14	15 ± 14	105 ± 177	71 ± 122
CCR6 + HLA-DR	320 ± 308	158 ± 288	231 ± 272	757 ± 959	486 ± 512
CCR6 + IL-22R	1 ± 2	1 ± 2	1 ± 2	3 ± 5	3 ± 6
CCR6 + IL-23R	2 ± 3	1 ± 2	1 ± 2	7 ± 11	7 ± 15
CCR6 + Ki67	0 ± 1	0 ± 1	0 ± 1	3 ± 7	0 ± 1
CCR6 + PI	331 ± 340	165 ± 320	237 ± 299	778 ± 1024	581 ± 706
CCR6 + Podoplanin	44 ± 79	22 ± 54	24 ± 53	84 ± 110	38 ± 60
CCR6 + SNA1	99 ± 120	36 ± 66	62 ± 65	112 ± 104	77 ± 75
CCR6 + STAT3	7 ± 10	2 ± 5	3 ± 5	18 ± 37	2 ± 5
CCR6 + TIA1	41 ± 46	21 ± 46	26 ± 45	76 ± 105	63 ± 72
CCR6 + Vimentin	243 ± 297	109 ± 266	175 ± 259	654 ± 921	291 ± 340

Tabelle 694: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	19 ± 40	4 ± 7	4 ± 6	18 ± 47	11 ± 16
CD11a + BCL2	225 ± 189	106 ± 181	194 ± 236	574 ± 875	542 ± 858
CD11a + CCR6	385 ± 391	187 ± 369	279 ± 350	1097 ± 1509	641 ± 829
CD11a + CD11b	295 ± 490	254 ± 507	258 ± 505	338 ± 485	622 ± 631
CD11a + CD120a	15 ± 35	11 ± 35	12 ± 34	13 ± 34	18 ± 37
CD11a + CD120b	173 ± 282	57 ± 157	80 ± 156	193 ± 254	580 ± 1129
CD11a + CD138	31 ± 49	11 ± 31	12 ± 31	16 ± 32	11 ± 31
CD11a + CD15	5 ± 9	1 ± 2	2 ± 2	11 ± 21	2 ± 2
CD11a + CD1a	31 ± 42	17 ± 28	16 ± 28	26 ± 33	66 ± 103
CD11a + CD2	1070 ± 1103	631 ± 1119	828 ± 1050	2003 ± 2297	1562 ± 1612
CD11a + CD207	71 ± 101	57 ± 106	64 ± 103	115 ± 158	139 ± 157
CD11a + CD24	10 ± 10	7 ± 11	10 ± 12	20 ± 25	8 ± 10
CD11a + CD28	919 ± 1017	479 ± 943	632 ± 905	1759 ± 2312	1355 ± 1600
CD11a + CD29	165 ± 156	65 ± 105	76 ± 100	235 ± 430	134 ± 116
CD11a + CD3	1178 ± 1236	650 ± 1150	866 ± 1077	2339 ± 3007	1595 ± 1638
CD11a + CD31	16 ± 35	4 ± 8	5 ± 8	14 ± 21	25 ± 49
CD11a + CD4	1129 ± 1225	629 ± 1146	815 ± 1078	2055 ± 2409	1565 ± 1653
CD11a + CD44	980 ± 881	578 ± 930	789 ± 856	2053 ± 2756	1251 ± 1114
CD11a + CD45	1033 ± 1030	571 ± 1019	776 ± 951	2202 ± 2930	1421 ± 1469
CD11a + CD45RA	240 ± 259	128 ± 246	156 ± 236	409 ± 502	308 ± 323
CD11a + CD45RO	667 ± 806	322 ± 742	471 ± 722	1604 ± 2407	1131 ± 1598
CD11a + CD52	835 ± 996	484 ± 1014	653 ± 975	1928 ± 2896	1300 ± 1478
CD11a + CD54	844 ± 916	440 ± 842	533 ± 808	1734 ± 2504	1050 ± 1060
CD11a + CD56	19 ± 27	4 ± 7	8 ± 8	30 ± 59	11 ± 13
CD11a + CD58	201 ± 327	105 ± 218	102 ± 219	398 ± 812	524 ± 818
CD11a + CD62E	1 ± 2	0 ± 0	0 ± 0	2 ± 4	1 ± 5
CD11a + CD62P	0 ± 1	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD11a + CD68	217 ± 391	153 ± 402	190 ± 392	433 ± 622	286 ± 455
CD11a + CD7	621 ± 675	367 ± 718	534 ± 688	1689 ± 2490	1036 ± 1157
CD11a + CD8a	300 ± 349	210 ± 378	265 ± 361	685 ± 878	600 ± 675
CD11a + CK14	72 ± 138	49 ± 138	50 ± 138	56 ± 137	51 ± 138
CD11a + CLA	273 ± 232	196 ± 271	251 ± 248	573 ± 759	382 ± 280
CD11a + c-myc	25 ± 45	15 ± 43	16 ± 43	37 ± 78	17 ± 43
CD11a + Collagen IV	63 ± 94	30 ± 61	38 ± 59	134 ± 259	86 ± 107
CD11a + FXIIIA	38 ± 32	24 ± 36	32 ± 34	138 ± 216	103 ± 137
CD11a + HLA-DR	925 ± 873	516 ± 822	670 ± 763	1628 ± 2303	1072 ± 954
CD11a + IL-22R	25 ± 66	22 ± 67	22 ± 67	24 ± 66	26 ± 66
CD11a + IL-23R	23 ± 62	2 ± 4	2 ± 4	12 ± 19	18 ± 37
CD11a + Ki67	3 ± 6	2 ± 5	2 ± 5	5 ± 9	2 ± 5
CD11a + PI	940 ± 967	557 ± 994	717 ± 930	1718 ± 2362	1313 ± 1329
CD11a + Podoplanin	82 ± 143	50 ± 131	52 ± 130	131 ± 179	80 ± 141
CD11a + SNA1	270 ± 325	97 ± 160	147 ± 154	194 ± 154	155 ± 150
CD11a + STAT3	15 ± 26	2 ± 4	3 ± 5	18 ± 35	3 ± 4
CD11a + TIA1	105 ± 129	59 ± 131	72 ± 126	152 ± 219	143 ± 157
CD11a + Vimentin	629 ± 753	319 ± 671	441 ± 641	1110 ± 1393	563 ± 686

Tabelle 695: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	5 ± 8	4 ± 8	4 ± 8	5 ± 9	8 ± 11
CD11b + BCL2	44 ± 59	34 ± 60	35 ± 60	60 ± 66	279 ± 495
CD11b + CCR6	114 ± 195	86 ± 196	90 ± 195	161 ± 226	318 ± 437
CD11b + CD11a	295 ± 490	254 ± 507	258 ± 505	338 ± 485	622 ± 631
CD11b + CD120a	2 ± 4	0 ± 0	0 ± 0	1 ± 1	8 ± 21
CD11b + CD120b	38 ± 87	29 ± 88	30 ± 88	40 ± 87	246 ± 474
CD11b + CD138	2 ± 3	1 ± 2	2 ± 2	1 ± 2	2 ± 3
CD11b + CD15	5 ± 11	0 ± 1	1 ± 2	6 ± 7	2 ± 3
CD11b + CD1a	3 ± 9	4 ± 10	3 ± 9	4 ± 9	15 ± 23
CD11b + CD2	293 ± 494	259 ± 509	262 ± 507	364 ± 497	728 ± 764
CD11b + CD207	13 ± 39	14 ± 39	13 ± 39	20 ± 39	46 ± 59
CD11b + CD24	4 ± 4	3 ± 4	5 ± 7	10 ± 20	6 ± 4
CD11b + CD28	216 ± 397	181 ± 410	184 ± 409	250 ± 392	567 ± 692
CD11b + CD29	58 ± 60	45 ± 66	45 ± 66	68 ± 63	103 ± 99
CD11b + CD3	312 ± 498	266 ± 518	269 ± 516	384 ± 504	762 ± 811
CD11b + CD31	6 ± 9	3 ± 9	4 ± 9	5 ± 9	14 ± 14
CD11b + CD4	313 ± 512	273 ± 531	274 ± 530	381 ± 510	754 ± 801
CD11b + CD44	290 ± 413	253 ± 431	254 ± 430	365 ± 421	593 ± 486
CD11b + CD45	270 ± 431	230 ± 448	233 ± 446	326 ± 438	608 ± 600
CD11b + CD45RA	94 ± 149	81 ± 156	82 ± 155	107 ± 151	198 ± 211
CD11b + CD45RO	172 ± 349	141 ± 359	149 ± 356	224 ± 353	522 ± 727
CD11b + CD52	229 ± 448	195 ± 460	197 ± 459	275 ± 447	557 ± 679
CD11b + CD54	257 ± 435	217 ± 451	220 ± 449	270 ± 433	602 ± 647
CD11b + CD56	7 ± 9	4 ± 8	4 ± 8	5 ± 8	12 ± 14
CD11b + CD58	47 ± 109	46 ± 110	41 ± 111	55 ± 107	241 ± 408
CD11b + CD62E	2 ± 3	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD11b + CD62P	2 ± 3	0 ± 1	0 ± 1	0 ± 1	2 ± 3
CD11b + CD68	139 ± 334	127 ± 338	128 ± 338	154 ± 330	328 ± 494
CD11b + CD7	173 ± 339	151 ± 348	156 ± 346	237 ± 352	451 ± 510
CD11b + CD8a	95 ± 170	87 ± 174	81 ± 176	125 ± 181	287 ± 362
CD11b + CK14	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD11b + CLA	83 ± 118	76 ± 120	76 ± 120	121 ± 129	165 ± 124
CD11b + c-myc	7 ± 13	6 ± 14	6 ± 14	6 ± 14	8 ± 14
CD11b + Collagen IV	17 ± 28	17 ± 28	16 ± 29	24 ± 27	44 ± 51
CD11b + FXIIIA	33 ± 30	27 ± 34	27 ± 34	39 ± 31	161 ± 249
CD11b + HLA-DR	286 ± 394	251 ± 413	249 ± 415	346 ± 394	572 ± 467
CD11b + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 5
CD11b + IL-23R	8 ± 15	3 ± 7	2 ± 5	5 ± 6	33 ± 69
CD11b + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11b + PI	263 ± 402	231 ± 417	231 ± 417	308 ± 403	607 ± 573
CD11b + Podoplanin	24 ± 50	22 ± 51	22 ± 51	26 ± 49	35 ± 60
CD11b + SNA1	86 ± 88	66 ± 97	67 ± 96	90 ± 99	114 ± 89
CD11b + STAT3	4 ± 5	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD11b + TIA1	46 ± 87	34 ± 90	36 ± 89	51 ± 90	85 ± 106
CD11b + Vimentin	208 ± 404	185 ± 413	183 ± 414	236 ± 402	378 ± 435

Tabelle 696: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	8 ± 25	8 ± 25	8 ± 25	8 ± 25	12 ± 27
CD120a + CCR6	1 ± 1	0 ± 1	0 ± 1	3 ± 4	4 ± 9
CD120a + CD11a	15 ± 35	11 ± 35	12 ± 34	13 ± 34	18 ± 37
CD120a + CD11b	2 ± 4	0 ± 0	0 ± 0	1 ± 1	8 ± 21
CD120a + CD120b	1 ± 4	0 ± 1	1 ± 2	0 ± 1	8 ± 19
CD120a + CD138	8 ± 25	8 ± 25	8 ± 25	8 ± 25	8 ± 25
CD120a + CD15	2 ± 5	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD120a + CD1a	12 ± 37	11 ± 37	11 ± 37	12 ± 37	11 ± 37
CD120a + CD2	16 ± 39	12 ± 39	13 ± 39	15 ± 39	20 ± 42
CD120a + CD207	24 ± 75	23 ± 75	23 ± 75	23 ± 75	23 ± 75
CD120a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD28	11 ± 20	5 ± 14	5 ± 14	7 ± 14	13 ± 23
CD120a + CD29	6 ± 14	4 ± 14	4 ± 14	4 ± 14	5 ± 14
CD120a + CD3	14 ± 27	8 ± 24	8 ± 23	11 ± 23	17 ± 31
CD120a + CD31	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD4	13 ± 24	6 ± 20	7 ± 20	10 ± 20	16 ± 29
CD120a + CD44	28 ± 75	23 ± 76	24 ± 76	27 ± 75	30 ± 75
CD120a + CD45	16 ± 37	11 ± 37	13 ± 37	14 ± 36	19 ± 39
CD120a + CD45RA	1 ± 3	0 ± 0	0 ± 0	0 ± 1	4 ± 8
CD120a + CD45RO	4 ± 8	2 ± 5	3 ± 5	4 ± 5	11 ± 23
CD120a + CD52	4 ± 9	0 ± 1	1 ± 1	3 ± 4	9 ± 22
CD120a + CD54	5 ± 11	0 ± 1	1 ± 1	3 ± 3	8 ± 20
CD120a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD58	12 ± 35	11 ± 36	11 ± 35	11 ± 35	18 ± 38
CD120a + CD62E	0 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD68	14 ± 46	14 ± 46	15 ± 46	15 ± 46	16 ± 46
CD120a + CD7	6 ± 12	3 ± 9	4 ± 9	5 ± 9	11 ± 20
CD120a + CD8a	2 ± 5	0 ± 1	0 ± 1	1 ± 2	6 ± 14
CD120a + CK14	21 ± 71	21 ± 71	22 ± 71	22 ± 71	21 ± 71
CD120a + CLA	11 ± 35	11 ± 35	11 ± 35	11 ± 35	12 ± 35
CD120a + c-myc	11 ± 35	11 ± 35	11 ± 35	11 ± 35	11 ± 35
CD120a + Collagen IV	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD120a + HLA-DR	29 ± 75	23 ± 76	24 ± 75	25 ± 75	29 ± 75
CD120a + IL-22R	17 ± 57	17 ± 57	17 ± 57	17 ± 57	17 ± 57
CD120a + IL-23R	5 ± 10	3 ± 9	3 ± 9	3 ± 9	5 ± 10
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	11 ± 28	9 ± 29	9 ± 29	11 ± 28	14 ± 30
CD120a + Podoplanin	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 1
CD120a + SNA1	4 ± 9	1 ± 3	2 ± 4	2 ± 3	3 ± 6
CD120a + STAT3	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD120a + TIA1	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 3
CD120a + Vimentin	17 ± 51	16 ± 51	17 ± 51	18 ± 50	19 ± 50

Tabelle 697: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	4 ± 12	0 ± 1	0 ± 1	0 ± 1	15 ± 48
CD120b + BCL2	40 ± 61	8 ± 23	17 ± 29	69 ± 116	346 ± 747
CD120b + CCR6	70 ± 106	26 ± 75	38 ± 76	114 ± 142	324 ± 673
CD120b + CD11a	173 ± 282	57 ± 157	80 ± 156	193 ± 254	580 ± 1129
CD120b + CD11b	38 ± 87	29 ± 88	30 ± 88	40 ± 87	246 ± 474
CD120b + CD120a	1 ± 4	0 ± 1	1 ± 2	0 ± 1	8 ± 19
CD120b + CD138	1 ± 3	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD120b + CD15	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 2
CD120b + CD1a	10 ± 18	4 ± 12	4 ± 12	7 ± 13	44 ± 100
CD120b + CD2	154 ± 243	56 ± 156	76 ± 155	183 ± 232	620 ± 1209
CD120b + CD207	13 ± 25	8 ± 25	10 ± 24	19 ± 32	64 ± 136
CD120b + CD24	7 ± 7	5 ± 7	5 ± 7	11 ± 14	7 ± 7
CD120b + CD28	169 ± 281	53 ± 152	74 ± 149	183 ± 239	619 ± 1212
CD120b + CD29	39 ± 49	12 ± 25	13 ± 24	33 ± 55	50 ± 68
CD120b + CD3	183 ± 308	58 ± 160	83 ± 160	197 ± 254	628 ± 1218
CD120b + CD31	4 ± 10	0 ± 1	0 ± 1	1 ± 2	30 ± 58
CD120b + CD4	179 ± 303	57 ± 159	80 ± 158	189 ± 241	632 ± 1229
CD120b + CD44	144 ± 223	49 ± 130	73 ± 131	182 ± 236	423 ± 808
CD120b + CD45	168 ± 271	54 ± 151	77 ± 150	190 ± 245	586 ± 1139
CD120b + CD45RA	36 ± 57	11 ± 30	14 ± 30	39 ± 48	125 ± 246
CD120b + CD45RO	133 ± 216	45 ± 142	66 ± 141	169 ± 230	586 ± 1181
CD120b + CD52	133 ± 217	48 ± 148	68 ± 146	174 ± 239	577 ± 1141
CD120b + CD54	159 ± 266	48 ± 138	63 ± 136	168 ± 238	454 ± 870
CD120b + CD56	3 ± 4	1 ± 1	1 ± 2	1 ± 2	4 ± 8
CD120b + CD58	59 ± 122	19 ± 56	19 ± 57	61 ± 105	378 ± 796
CD120b + CD62E	0 ± 1	0 ± 0	0 ± 0	0 ± 1	2 ± 7
CD120b + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 4
CD120b + CD68	38 ± 63	18 ± 56	20 ± 56	33 ± 58	115 ± 208
CD120b + CD7	117 ± 178	49 ± 144	71 ± 144	181 ± 245	507 ± 987
CD120b + CD8a	48 ± 89	29 ± 85	33 ± 85	77 ± 103	293 ± 581
CD120b + CK14	5 ± 8	2 ± 4	2 ± 4	3 ± 5	2 ± 4
CD120b + CLA	38 ± 56	18 ± 48	26 ± 48	67 ± 113	112 ± 209
CD120b + c-myc	3 ± 7	0 ± 1	1 ± 3	1 ± 1	1 ± 2
CD120b + Collagen IV	10 ± 22	2 ± 6	3 ± 6	10 ± 15	28 ± 45
CD120b + FXIIIA	6 ± 17	0 ± 1	1 ± 1	2 ± 3	42 ± 93
CD120b + HLA-DR	138 ± 239	40 ± 106	60 ± 106	141 ± 196	357 ± 690
CD120b + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	4 ± 8
CD120b + IL-23R	10 ± 29	1 ± 1	1 ± 1	2 ± 4	19 ± 43
CD120b + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + PI	125 ± 201	41 ± 119	57 ± 117	125 ± 187	498 ± 986
CD120b + Podoplanin	9 ± 18	7 ± 18	7 ± 18	15 ± 19	26 ± 52
CD120b + SNA1	51 ± 88	13 ± 29	23 ± 32	26 ± 34	52 ± 75
CD120b + STAT3	2 ± 5	0 ± 1	0 ± 1	0 ± 1	2 ± 3
CD120b + TIA1	21 ± 33	8 ± 25	10 ± 25	22 ± 37	57 ± 101
CD120b + Vimentin	104 ± 180	32 ± 100	46 ± 100	98 ± 131	158 ± 284

Tabelle 698: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	3 ± 7	1 ± 2	1 ± 2	5 ± 15	1 ± 2
CD138 + BCL2	33 ± 92	28 ± 93	28 ± 92	30 ± 92	29 ± 92
CD138 + CCR6	9 ± 20	1 ± 2	1 ± 2	7 ± 15	2 ± 2
CD138 + CD11a	31 ± 49	11 ± 31	12 ± 31	16 ± 32	11 ± 31
CD138 + CD11b	2 ± 3	1 ± 2	2 ± 2	1 ± 2	2 ± 3
CD138 + CD120a	8 ± 25	8 ± 25	8 ± 25	8 ± 25	8 ± 25
CD138 + CD120b	1 ± 3	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD138 + CD15	1 ± 2	0 ± 1	0 ± 1	4 ± 11	0 ± 1
CD138 + CD1a	16 ± 39	12 ± 39	13 ± 39	12 ± 39	12 ± 39
CD138 + CD2	32 ± 50	10 ± 25	11 ± 25	14 ± 25	11 ± 25
CD138 + CD207	36 ± 110	34 ± 111	35 ± 111	34 ± 111	34 ± 111
CD138 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD28	25 ± 49	3 ± 8	4 ± 8	6 ± 10	4 ± 8
CD138 + CD29	32 ± 59	19 ± 53	19 ± 53	24 ± 54	19 ± 53
CD138 + CD3	32 ± 52	7 ± 16	8 ± 16	12 ± 18	8 ± 16
CD138 + CD31	1 ± 2	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD138 + CD4	28 ± 47	5 ± 13	6 ± 12	7 ± 12	6 ± 12
CD138 + CD44	70 ± 149	47 ± 148	47 ± 147	51 ± 146	47 ± 147
CD138 + CD45	31 ± 52	8 ± 22	9 ± 22	12 ± 23	8 ± 22
CD138 + CD45RA	3 ± 6	1 ± 2	1 ± 2	5 ± 12	1 ± 2
CD138 + CD45RO	22 ± 41	2 ± 5	3 ± 5	8 ± 16	3 ± 5
CD138 + CD52	7 ± 12	1 ± 2	1 ± 2	6 ± 15	1 ± 2
CD138 + CD54	17 ± 39	2 ± 6	3 ± 6	5 ± 9	3 ± 6
CD138 + CD56	3 ± 7	1 ± 3	1 ± 2	5 ± 16	1 ± 2
CD138 + CD58	45 ± 91	24 ± 78	26 ± 77	27 ± 77	24 ± 78
CD138 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD68	13 ± 26	9 ± 25	9 ± 25	15 ± 26	9 ± 25
CD138 + CD7	13 ± 26	1 ± 2	2 ± 2	4 ± 8	2 ± 2
CD138 + CD8a	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD138 + CK14	79 ± 162	51 ± 160	52 ± 159	52 ± 159	51 ± 160
CD138 + CLA	12 ± 31	10 ± 31	10 ± 31	11 ± 31	10 ± 31
CD138 + c-myc	44 ± 131	41 ± 132	41 ± 132	45 ± 132	40 ± 132
CD138 + Collagen IV	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + FXIIIA	3 ± 6	1 ± 3	1 ± 2	6 ± 15	1 ± 2
CD138 + HLA-DR	62 ± 128	40 ± 126	41 ± 126	45 ± 125	41 ± 126
CD138 + IL-22R	41 ± 124	39 ± 125	38 ± 125	39 ± 125	38 ± 125
CD138 + IL-23R	8 ± 13	4 ± 11	4 ± 12	5 ± 11	4 ± 12
CD138 + Ki67	1 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD138 + PI	18 ± 28	6 ± 18	7 ± 18	11 ± 21	7 ± 18
CD138 + Podoplanin	5 ± 6	2 ± 5	2 ± 4	7 ± 14	2 ± 5
CD138 + SNA1	16 ± 33	2 ± 3	1 ± 2	1 ± 2	1 ± 2
CD138 + STAT3	21 ± 36	10 ± 31	10 ± 31	15 ± 33	10 ± 31
CD138 + TIA1	1 ± 2	0 ± 1	1 ± 2	3 ± 9	0 ± 1
CD138 + Vimentin	27 ± 42	11 ± 29	12 ± 29	15 ± 29	11 ± 29

Tabelle 699: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 1	0 ± 0	0 ± 0	4 ± 13	0 ± 0
CD15 + BCL2	2 ± 3	1 ± 3	2 ± 3	4 ± 6	2 ± 2
CD15 + CCR6	1 ± 2	0 ± 1	0 ± 1	9 ± 17	1 ± 2
CD15 + CD11a	5 ± 9	1 ± 2	2 ± 2	11 ± 21	2 ± 2
CD15 + CD11b	5 ± 11	0 ± 1	1 ± 2	6 ± 7	2 ± 3
CD15 + CD120a	2 ± 5	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD15 + CD120b	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 2
CD15 + CD138	1 ± 2	0 ± 1	0 ± 1	4 ± 11	0 ± 1
CD15 + CD1a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD15 + CD2	5 ± 6	2 ± 4	3 ± 4	9 ± 12	3 ± 4
CD15 + CD207	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD15 + CD24	0 ± 1	0 ± 0	0 ± 1	0 ± 1	1 ± 2
CD15 + CD28	3 ± 7	0 ± 1	0 ± 1	7 ± 12	1 ± 2
CD15 + CD29	3 ± 6	0 ± 0	0 ± 0	6 ± 16	1 ± 2
CD15 + CD3	8 ± 14	1 ± 2	3 ± 3	11 ± 18	3 ± 3
CD15 + CD31	1 ± 4	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD15 + CD4	7 ± 12	1 ± 2	2 ± 2	7 ± 8	3 ± 3
CD15 + CD44	5 ± 6	2 ± 3	3 ± 3	11 ± 17	3 ± 4
CD15 + CD45	5 ± 7	1 ± 2	2 ± 3	9 ± 17	3 ± 3
CD15 + CD45RA	2 ± 4	0 ± 1	0 ± 1	6 ± 15	1 ± 2
CD15 + CD45RO	3 ± 7	0 ± 0	1 ± 2	10 ± 21	1 ± 1
CD15 + CD52	4 ± 9	0 ± 0	1 ± 1	10 ± 22	1 ± 2
CD15 + CD54	5 ± 9	1 ± 2	1 ± 2	6 ± 13	1 ± 2
CD15 + CD56	1 ± 2	0 ± 0	0 ± 0	4 ± 14	0 ± 0
CD15 + CD58	2 ± 3	1 ± 2	1 ± 2	5 ± 8	1 ± 2
CD15 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 2
CD15 + CD62P	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD68	2 ± 3	1 ± 3	2 ± 3	7 ± 13	1 ± 3
CD15 + CD7	2 ± 2	1 ± 2	1 ± 2	8 ± 15	2 ± 2
CD15 + CD8a	1 ± 2	0 ± 1	0 ± 1	2 ± 3	1 ± 2
CD15 + CK14	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CD15 + CLA	3 ± 5	1 ± 2	1 ± 1	4 ± 8	1 ± 2
CD15 + c-myc	2 ± 4	1 ± 4	1 ± 4	5 ± 14	1 ± 4
CD15 + Collagen IV	1 ± 2	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD15 + FXIIIA	2 ± 5	0 ± 0	1 ± 2	6 ± 17	0 ± 0
CD15 + HLA-DR	7 ± 10	2 ± 4	2 ± 3	11 ± 18	3 ± 4
CD15 + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD15 + IL-23R	3 ± 6	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD15 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + PI	6 ± 12	1 ± 1	2 ± 2	8 ± 18	2 ± 3
CD15 + Podoplanin	0 ± 1	0 ± 0	0 ± 0	6 ± 14	0 ± 0
CD15 + SNA1	3 ± 5	0 ± 1	1 ± 1	2 ± 3	1 ± 3
CD15 + STAT3	1 ± 2	0 ± 0	0 ± 0	4 ± 13	0 ± 0
CD15 + TIA1	4 ± 10	0 ± 0	1 ± 2	5 ± 14	1 ± 2
CD15 + Vimentin	3 ± 4	1 ± 2	2 ± 3	6 ± 8	2 ± 2

Tabelle 700: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	15 ± 38	13 ± 39	13 ± 39	16 ± 39	35 ± 68
CD1a + CCR6	6 ± 9	3 ± 8	3 ± 8	10 ± 14	23 ± 40
CD1a + CD11a	31 ± 42	17 ± 28	16 ± 28	26 ± 33	66 ± 103
CD1a + CD11b	3 ± 9	4 ± 10	3 ± 9	4 ± 9	15 ± 23
CD1a + CD120a	12 ± 37	11 ± 37	11 ± 37	12 ± 37	11 ± 37
CD1a + CD120b	10 ± 18	4 ± 12	4 ± 12	7 ± 13	44 ± 100
CD1a + CD138	16 ± 39	12 ± 39	13 ± 39	12 ± 39	12 ± 39
CD1a + CD15	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD1a + CD2	32 ± 43	17 ± 30	17 ± 31	25 ± 30	68 ± 103
CD1a + CD207	36 ± 75	30 ± 75	29 ± 76	36 ± 74	70 ± 108
CD1a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD1a + CD28	27 ± 39	11 ± 19	11 ± 19	18 ± 24	63 ± 104
CD1a + CD29	10 ± 18	7 ± 18	7 ± 18	8 ± 18	15 ± 28
CD1a + CD3	30 ± 43	16 ± 24	14 ± 23	25 ± 29	66 ± 104
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD1a + CD4	29 ± 41	15 ± 22	13 ± 21	24 ± 27	66 ± 104
CD1a + CD44	40 ± 73	32 ± 73	30 ± 73	41 ± 73	72 ± 97
CD1a + CD45	32 ± 42	20 ± 33	18 ± 34	28 ± 37	69 ± 104
CD1a + CD45RA	3 ± 6	2 ± 7	0 ± 1	1 ± 1	2 ± 5
CD1a + CD45RO	19 ± 32	7 ± 16	7 ± 15	16 ± 25	53 ± 102
CD1a + CD52	13 ± 20	9 ± 17	8 ± 17	18 ± 28	56 ± 99
CD1a + CD54	22 ± 36	10 ± 18	8 ± 18	17 ± 28	55 ± 89
CD1a + CD56	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	30 ± 52	19 ± 44	17 ± 44	18 ± 44	62 ± 93
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	14 ± 37	13 ± 38	13 ± 38	14 ± 38	15 ± 37
CD1a + CD7	20 ± 32	8 ± 15	8 ± 15	16 ± 25	53 ± 88
CD1a + CD8a	7 ± 11	7 ± 12	5 ± 11	10 ± 14	20 ± 28
CD1a + CK14	30 ± 74	23 ± 74	24 ± 74	24 ± 74	23 ± 74
CD1a + CLA	11 ± 22	9 ± 22	9 ± 22	18 ± 27	41 ± 70
CD1a + c-myc	16 ± 53	16 ± 53	16 ± 53	16 ± 53	16 ± 53
CD1a + Collagen IV	0 ± 0	1 ± 2	0 ± 0	1 ± 2	1 ± 2
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD1a + HLA-DR	42 ± 71	29 ± 67	28 ± 67	36 ± 67	68 ± 97
CD1a + IL-22R	22 ± 66	20 ± 66	20 ± 66	20 ± 66	20 ± 66
CD1a + IL-23R	6 ± 14	3 ± 11	3 ± 11	3 ± 11	4 ± 11
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + PI	19 ± 24	13 ± 19	12 ± 19	17 ± 21	56 ± 95
CD1a + Podoplanin	1 ± 3	1 ± 3	1 ± 3	4 ± 11	2 ± 4
CD1a + SNA1	12 ± 20	4 ± 6	4 ± 6	6 ± 7	5 ± 6
CD1a + STAT3	8 ± 16	4 ± 11	4 ± 11	4 ± 11	4 ± 11
CD1a + TIA1	2 ± 6	0 ± 1	0 ± 1	2 ± 3	2 ± 3
CD1a + Vimentin	25 ± 40	18 ± 36	16 ± 36	21 ± 36	28 ± 39

Tabelle 701: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	26 ± 53	6 ± 10	6 ± 10	12 ± 19	63 ± 136
CD2 + BCL2	240 ± 211	117 ± 204	204 ± 248	587 ± 869	632 ± 1017
CD2 + CCR6	382 ± 391	191 ± 374	278 ± 354	1029 ± 1328	739 ± 994
CD2 + CD11a	1070 ± 1103	631 ± 1119	828 ± 1050	2003 ± 2297	1562 ± 1612
CD2 + CD11b	293 ± 494	259 ± 509	262 ± 507	364 ± 497	728 ± 764
CD2 + CD120a	16 ± 39	12 ± 39	13 ± 39	15 ± 39	20 ± 42
CD2 + CD120b	154 ± 243	56 ± 156	76 ± 155	183 ± 232	620 ± 1209
CD2 + CD138	32 ± 50	10 ± 25	11 ± 25	14 ± 25	11 ± 25
CD2 + CD15	5 ± 6	2 ± 4	3 ± 4	9 ± 12	3 ± 4
CD2 + CD1a	32 ± 43	17 ± 30	17 ± 31	25 ± 30	68 ± 103
CD2 + CD207	72 ± 98	56 ± 104	64 ± 100	101 ± 119	144 ± 154
CD2 + CD24	9 ± 11	6 ± 11	9 ± 12	17 ± 29	8 ± 10
CD2 + CD28	895 ± 990	483 ± 954	630 ± 916	1595 ± 1903	1508 ± 1846
CD2 + CD29	175 ± 166	72 ± 113	83 ± 108	215 ± 331	205 ± 178
CD2 + CD3	1155 ± 1213	668 ± 1185	874 ± 1111	2114 ± 2281	1850 ± 1936
CD2 + CD31	25 ± 49	8 ± 14	9 ± 13	16 ± 18	91 ± 159
CD2 + CD4	1111 ± 1200	651 ± 1179	831 ± 1109	1971 ± 2101	1837 ± 1978
CD2 + CD44	926 ± 850	575 ± 935	775 ± 862	1792 ± 1917	1381 ± 1201
CD2 + CD45	984 ± 989	569 ± 1026	763 ± 960	1955 ± 2260	1496 ± 1522
CD2 + CD45RA	222 ± 243	121 ± 239	146 ± 230	354 ± 406	317 ± 338
CD2 + CD45RO	665 ± 803	333 ± 758	483 ± 737	1497 ± 1983	1281 ± 1825
CD2 + CD52	836 ± 1006	494 ± 1038	658 ± 998	1670 ± 2125	1469 ± 1706
CD2 + CD54	821 ± 880	456 ± 871	544 ± 837	1517 ± 1931	1163 ± 1168
CD2 + CD56	18 ± 28	3 ± 6	7 ± 8	20 ± 26	11 ± 14
CD2 + CD58	199 ± 323	105 ± 218	102 ± 219	382 ± 768	588 ± 967
CD2 + CD62E	3 ± 6	3 ± 6	3 ± 6	3 ± 6	12 ± 23
CD2 + CD62P	4 ± 8	3 ± 8	3 ± 8	3 ± 8	12 ± 20
CD2 + CD68	226 ± 400	168 ± 414	204 ± 402	439 ± 601	404 ± 569
CD2 + CD7	609 ± 678	373 ± 728	532 ± 697	1501 ± 1907	1073 ± 1187
CD2 + CD8a	302 ± 359	213 ± 388	270 ± 371	655 ± 748	636 ± 729
CD2 + CK14	73 ± 134	50 ± 134	50 ± 134	54 ± 132	51 ± 133
CD2 + CLA	277 ± 240	204 ± 278	260 ± 253	543 ± 583	412 ± 286
CD2 + c-myc	23 ± 43	14 ± 43	15 ± 42	23 ± 47	18 ± 42
CD2 + Collagen IV	65 ± 93	31 ± 59	39 ± 56	106 ± 155	139 ± 169
CD2 + FXIIIA	37 ± 41	26 ± 44	35 ± 42	128 ± 190	167 ± 258
CD2 + HLA-DR	881 ± 820	523 ± 838	669 ± 778	1413 ± 1538	1206 ± 1042
CD2 + IL-22R	25 ± 65	22 ± 66	22 ± 66	24 ± 65	26 ± 65
CD2 + IL-23R	23 ± 57	3 ± 5	3 ± 5	13 ± 18	44 ± 89
CD2 + Ki67	3 ± 6	2 ± 5	2 ± 5	4 ± 6	3 ± 5
CD2 + PI	949 ± 992	585 ± 1043	738 ± 978	1555 ± 1761	1520 ± 1517
CD2 + Podoplanin	82 ± 144	48 ± 132	51 ± 131	104 ± 138	78 ± 140
CD2 + SNA1	256 ± 285	103 ± 171	152 ± 163	201 ± 163	202 ± 175
CD2 + STAT3	15 ± 27	3 ± 5	4 ± 5	13 ± 21	6 ± 8
CD2 + TIA1	105 ± 131	61 ± 136	73 ± 131	145 ± 191	148 ± 163
CD2 + Vimentin	642 ± 748	342 ± 690	465 ± 654	1100 ± 1265	687 ± 731

Tabelle 702: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 1	0 ± 0
CD207 + BCL2	41 ± 105	36 ± 106	40 ± 105	51 ± 108	69 ± 125
CD207 + CCR6	15 ± 20	7 ± 18	11 ± 18	38 ± 67	43 ± 56
CD207 + CD11a	71 ± 101	57 ± 106	64 ± 103	115 ± 158	139 ± 157
CD207 + CD11b	13 ± 39	14 ± 39	13 ± 39	20 ± 39	46 ± 59
CD207 + CD120a	24 ± 75	23 ± 75	23 ± 75	23 ± 75	23 ± 75
CD207 + CD120b	13 ± 25	8 ± 25	10 ± 24	19 ± 32	64 ± 136
CD207 + CD138	36 ± 110	34 ± 111	35 ± 111	34 ± 111	34 ± 111
CD207 + CD15	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD207 + CD1a	36 ± 75	30 ± 75	29 ± 76	36 ± 74	70 ± 108
CD207 + CD2	72 ± 98	56 ± 104	64 ± 100	101 ± 119	144 ± 154
CD207 + CD24	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD207 + CD28	50 ± 60	35 ± 63	42 ± 60	76 ± 107	122 ± 144
CD207 + CD29	23 ± 53	18 ± 54	18 ± 54	26 ± 54	36 ± 60
CD207 + CD3	63 ± 78	48 ± 82	55 ± 79	111 ± 150	136 ± 147
CD207 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD207 + CD4	60 ± 71	45 ± 75	52 ± 72	103 ± 135	133 ± 145
CD207 + CD44	108 ± 245	98 ± 249	106 ± 246	160 ± 267	171 ± 246
CD207 + CD45	66 ± 87	52 ± 92	60 ± 89	110 ± 151	137 ± 149
CD207 + CD45RA	4 ± 6	2 ± 6	2 ± 4	5 ± 9	13 ± 20
CD207 + CD45RO	37 ± 51	23 ± 53	31 ± 51	75 ± 127	91 ± 142
CD207 + CD52	32 ± 57	26 ± 59	34 ± 58	87 ± 158	109 ± 144
CD207 + CD54	43 ± 57	29 ± 59	36 ± 57	84 ± 153	105 ± 120
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD207 + CD58	44 ± 103	38 ± 103	38 ± 103	41 ± 102	94 ± 140
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	36 ± 83	34 ± 83	34 ± 83	41 ± 82	38 ± 82
CD207 + CD7	36 ± 47	23 ± 47	29 ± 45	73 ± 125	96 ± 121
CD207 + CD8a	10 ± 15	9 ± 15	11 ± 15	24 ± 31	33 ± 46
CD207 + CK14	78 ± 245	75 ± 246	75 ± 246	76 ± 246	75 ± 246
CD207 + CLA	35 ± 79	30 ± 81	36 ± 79	72 ± 114	82 ± 102
CD207 + c-myc	44 ± 146	44 ± 146	44 ± 146	45 ± 146	44 ± 146
CD207 + Collagen IV	1 ± 2	1 ± 2	1 ± 2	6 ± 17	2 ± 4
CD207 + FXIIIA	0 ± 1	0 ± 1	0 ± 1	4 ± 11	3 ± 6
CD207 + HLA-DR	103 ± 226	91 ± 229	97 ± 227	143 ± 242	160 ± 231
CD207 + IL-22R	59 ± 190	58 ± 190	58 ± 190	58 ± 190	58 ± 190
CD207 + IL-23R	6 ± 15	4 ± 14	4 ± 14	6 ± 14	5 ± 14
CD207 + Ki67	1 ± 3	1 ± 3	1 ± 3	3 ± 6	1 ± 3
CD207 + PI	51 ± 82	45 ± 85	50 ± 83	88 ± 120	121 ± 139
CD207 + Podoplanin	7 ± 13	4 ± 12	4 ± 12	16 ± 41	5 ± 12
CD207 + SNA1	15 ± 20	6 ± 12	9 ± 12	15 ± 20	8 ± 12
CD207 + STAT3	10 ± 22	7 ± 22	7 ± 22	7 ± 21	7 ± 22
CD207 + TIA1	2 ± 5	0 ± 2	1 ± 2	7 ± 15	3 ± 5
CD207 + Vimentin	57 ± 98	48 ± 101	51 ± 99	75 ± 110	67 ± 96

Tabelle 703: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	1 ± 1	1 ± 1	1 ± 1	3 ± 6	1 ± 1
CD24 + CCR6	5 ± 6	2 ± 3	3 ± 4	10 ± 21	3 ± 3
CD24 + CD11a	10 ± 10	7 ± 11	10 ± 12	20 ± 25	8 ± 10
CD24 + CD11b	4 ± 4	3 ± 4	5 ± 7	10 ± 20	6 ± 4
CD24 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD120b	7 ± 7	5 ± 7	5 ± 7	11 ± 14	7 ± 7
CD24 + CD138	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CD15	0 ± 1	0 ± 0	0 ± 1	0 ± 1	1 ± 2
CD24 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD2	9 ± 11	6 ± 11	9 ± 12	17 ± 29	8 ± 10
CD24 + CD207	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD24 + CD28	9 ± 10	6 ± 10	8 ± 10	17 ± 21	8 ± 9
CD24 + CD29	7 ± 7	5 ± 7	5 ± 7	10 ± 10	7 ± 6
CD24 + CD3	11 ± 12	8 ± 12	10 ± 13	23 ± 31	11 ± 11
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	9 ± 10	7 ± 11	8 ± 11	16 ± 25	9 ± 10
CD24 + CD44	11 ± 11	8 ± 12	11 ± 12	23 ± 31	12 ± 10
CD24 + CD45	10 ± 11	7 ± 11	9 ± 12	21 ± 29	9 ± 11
CD24 + CD45RA	4 ± 5	3 ± 5	4 ± 5	9 ± 10	5 ± 4
CD24 + CD45RO	4 ± 4	2 ± 3	4 ± 7	12 ± 21	3 ± 3
CD24 + CD52	8 ± 11	5 ± 11	8 ± 12	18 ± 28	7 ± 10
CD24 + CD54	8 ± 8	5 ± 8	8 ± 10	14 ± 16	8 ± 8
CD24 + CD56	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD24 + CD58	1 ± 2	1 ± 2	1 ± 2	3 ± 3	1 ± 2
CD24 + CD62E	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD68	2 ± 2	1 ± 2	1 ± 2	3 ± 4	2 ± 2
CD24 + CD7	5 ± 6	3 ± 4	5 ± 8	15 ± 26	4 ± 4
CD24 + CD8a	3 ± 4	2 ± 4	4 ± 6	10 ± 16	2 ± 4
CD24 + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CLA	3 ± 3	2 ± 2	3 ± 4	8 ± 16	2 ± 2
CD24 + c-myc	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + Collagen IV	1 ± 1	0 ± 1	0 ± 1	2 ± 4	1 ± 1
CD24 + FXIIIA	1 ± 1	0 ± 1	1 ± 2	1 ± 2	0 ± 1
CD24 + HLA-DR	9 ± 8	6 ± 8	8 ± 9	20 ± 26	10 ± 7
CD24 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + IL-23R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + PI	8 ± 9	5 ± 9	8 ± 11	17 ± 24	8 ± 9
CD24 + Podoplanin	3 ± 5	2 ± 5	3 ± 5	4 ± 5	3 ± 5
CD24 + SNA1	5 ± 4	3 ± 4	4 ± 5	7 ± 12	4 ± 5
CD24 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + TIA1	2 ± 2	1 ± 2	2 ± 3	4 ± 7	1 ± 2
CD24 + Vimentin	2 ± 2	1 ± 2	2 ± 4	5 ± 9	1 ± 2

Tabelle 704: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	24 ± 61	4 ± 7	4 ± 7	14 ± 27	51 ± 124
CD28 + BCL2	190 ± 170	76 ± 146	151 ± 215	453 ± 702	547 ± 972
CD28 + CCR6	324 ± 339	150 ± 318	222 ± 307	853 ± 1146	624 ± 926
CD28 + CD11a	919 ± 1017	479 ± 943	632 ± 905	1759 ± 2312	1355 ± 1600
CD28 + CD11b	216 ± 397	181 ± 410	184 ± 409	250 ± 392	567 ± 692
CD28 + CD120a	11 ± 20	5 ± 14	5 ± 14	7 ± 14	13 ± 23
CD28 + CD120b	169 ± 281	53 ± 152	74 ± 149	183 ± 239	619 ± 1212
CD28 + CD138	25 ± 49	3 ± 8	4 ± 8	6 ± 10	4 ± 8
CD28 + CD15	3 ± 7	0 ± 1	0 ± 1	7 ± 12	1 ± 2
CD28 + CD1a	27 ± 39	11 ± 19	11 ± 19	18 ± 24	63 ± 104
CD28 + CD2	895 ± 990	483 ± 954	630 ± 916	1595 ± 1903	1508 ± 1846
CD28 + CD207	50 ± 60	35 ± 63	42 ± 60	76 ± 107	122 ± 144
CD28 + CD24	9 ± 10	6 ± 10	8 ± 10	17 ± 21	8 ± 9
CD28 + CD29	146 ± 155	48 ± 79	57 ± 76	189 ± 339	152 ± 139
CD28 + CD3	988 ± 1119	498 ± 977	659 ± 937	1805 ± 2308	1530 ± 1849
CD28 + CD31	24 ± 56	5 ± 9	5 ± 9	15 ± 18	75 ± 143
CD28 + CD4	957 ± 1105	487 ± 967	631 ± 927	1653 ± 1981	1535 ± 1891
CD28 + CD44	772 ± 759	414 ± 766	570 ± 732	1585 ± 2124	1109 ± 1185
CD28 + CD45	869 ± 925	449 ± 879	600 ± 841	1721 ± 2269	1306 ± 1536
CD28 + CD45RA	191 ± 216	91 ± 196	108 ± 190	304 ± 390	263 ± 323
CD28 + CD45RO	597 ± 729	282 ± 660	408 ± 649	1325 ± 1928	1158 ± 1749
CD28 + CD52	745 ± 902	403 ± 883	538 ± 861	1535 ± 2222	1298 ± 1657
CD28 + CD54	729 ± 811	365 ± 737	441 ± 713	1416 ± 2010	1008 ± 1138
CD28 + CD56	13 ± 21	2 ± 5	3 ± 5	13 ± 20	11 ± 15
CD28 + CD58	190 ± 327	88 ± 197	86 ± 198	351 ± 721	570 ± 964
CD28 + CD62E	2 ± 2	0 ± 1	1 ± 1	1 ± 3	9 ± 24
CD28 + CD62P	1 ± 2	1 ± 2	1 ± 2	2 ± 3	8 ± 21
CD28 + CD68	163 ± 305	107 ± 310	129 ± 305	273 ± 397	303 ± 472
CD28 + CD7	545 ± 608	308 ± 638	435 ± 623	1402 ± 2050	977 ± 1182
CD28 + CD8a	252 ± 313	164 ± 334	202 ± 323	555 ± 743	554 ± 713
CD28 + CK14	38 ± 58	13 ± 34	14 ± 34	16 ± 34	15 ± 34
CD28 + CLA	186 ± 176	118 ± 198	161 ± 188	410 ± 609	294 ± 275
CD28 + c-myc	13 ± 20	5 ± 13	7 ± 13	14 ± 26	8 ± 13
CD28 + Collagen IV	64 ± 106	25 ± 53	30 ± 51	108 ± 193	104 ± 113
CD28 + FXIIIA	25 ± 23	11 ± 19	18 ± 20	72 ± 114	115 ± 203
CD28 + HLA-DR	725 ± 754	362 ± 666	480 ± 634	1232 ± 1739	947 ± 1014
CD28 + IL-22R	10 ± 19	7 ± 19	7 ± 19	9 ± 19	11 ± 19
CD28 + IL-23R	27 ± 72	1 ± 3	2 ± 3	9 ± 13	37 ± 80
CD28 + Ki67	1 ± 2	0 ± 1	0 ± 1	1 ± 3	0 ± 1
CD28 + PI	773 ± 852	424 ± 835	541 ± 797	1300 ± 1795	1233 ± 1446
CD28 + Podoplanin	74 ± 140	46 ± 132	49 ± 131	106 ± 145	78 ± 143
CD28 + SNA1	224 ± 281	71 ± 129	111 ± 129	153 ± 124	156 ± 158
CD28 + STAT3	14 ± 26	2 ± 5	3 ± 5	8 ± 13	5 ± 7
CD28 + TIA1	87 ± 103	45 ± 103	52 ± 100	120 ± 181	120 ± 146
CD28 + Vimentin	509 ± 648	229 ± 541	317 ± 528	826 ± 1037	494 ± 644

Tabelle 705: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	37 ± 69	12 ± 18	14 ± 17	30 ± 53	58 ± 110
CD29 + BCL2	58 ± 58	21 ± 43	29 ± 42	95 ± 178	70 ± 86
CD29 + CCR6	76 ± 90	27 ± 50	33 ± 48	121 ± 202	63 ± 80
CD29 + CD11a	165 ± 156	65 ± 105	76 ± 100	235 ± 430	134 ± 116
CD29 + CD11b	58 ± 60	45 ± 66	45 ± 66	68 ± 63	103 ± 99
CD29 + CD120a	6 ± 14	4 ± 14	4 ± 14	4 ± 14	5 ± 14
CD29 + CD120b	39 ± 49	12 ± 25	13 ± 24	33 ± 55	50 ± 68
CD29 + CD138	32 ± 59	19 ± 53	19 ± 53	24 ± 54	19 ± 53
CD29 + CD15	3 ± 6	0 ± 0	0 ± 0	6 ± 16	1 ± 2
CD29 + CD1a	10 ± 18	7 ± 18	7 ± 18	8 ± 18	15 ± 28
CD29 + CD2	175 ± 166	72 ± 113	83 ± 108	215 ± 331	205 ± 178
CD29 + CD207	23 ± 53	18 ± 54	18 ± 54	26 ± 54	36 ± 60
CD29 + CD24	7 ± 7	5 ± 7	5 ± 7	10 ± 10	7 ± 6
CD29 + CD28	146 ± 155	48 ± 79	57 ± 76	189 ± 339	152 ± 139
CD29 + CD3	200 ± 204	79 ± 130	93 ± 123	255 ± 425	197 ± 164
CD29 + CD31	39 ± 65	17 ± 28	21 ± 27	28 ± 32	85 ± 129
CD29 + CD4	200 ± 198	83 ± 129	97 ± 121	211 ± 286	220 ± 184
CD29 + CD44	182 ± 142	98 ± 140	110 ± 132	266 ± 421	177 ± 153
CD29 + CD45	159 ± 146	60 ± 95	70 ± 90	222 ± 400	144 ± 113
CD29 + CD45RA	45 ± 38	17 ± 28	19 ± 28	50 ± 79	36 ± 33
CD29 + CD45RO	97 ± 114	30 ± 76	39 ± 73	184 ± 394	84 ± 85
CD29 + CD52	121 ± 139	41 ± 70	48 ± 68	211 ± 447	143 ± 138
CD29 + CD54	184 ± 165	82 ± 127	95 ± 120	233 ± 389	185 ± 154
CD29 + CD56	13 ± 20	4 ± 6	4 ± 6	20 ± 53	3 ± 6
CD29 + CD58	79 ± 121	38 ± 62	37 ± 62	66 ± 68	117 ± 150
CD29 + CD62E	9 ± 18	7 ± 18	9 ± 17	10 ± 19	17 ± 27
CD29 + CD62P	11 ± 21	10 ± 21	11 ± 21	12 ± 22	21 ± 28
CD29 + CD68	64 ± 73	38 ± 70	47 ± 66	99 ± 154	77 ± 86
CD29 + CD7	97 ± 92	39 ± 67	48 ± 63	179 ± 356	95 ± 84
CD29 + CD8a	43 ± 41	25 ± 39	25 ± 38	76 ± 125	53 ± 48
CD29 + CK14	44 ± 77	30 ± 76	31 ± 75	33 ± 75	30 ± 75
CD29 + CLA	53 ± 47	30 ± 48	33 ± 47	85 ± 149	63 ± 67
CD29 + c-myc	35 ± 74	27 ± 75	28 ± 75	43 ± 90	26 ± 75
CD29 + Collagen IV	55 ± 79	25 ± 34	29 ± 32	65 ± 103	85 ± 78
CD29 + FXIIIA	12 ± 15	7 ± 9	9 ± 9	37 ± 80	18 ± 14
CD29 + HLA-DR	189 ± 147	103 ± 141	114 ± 133	252 ± 387	190 ± 135
CD29 + IL-22R	19 ± 57	18 ± 57	18 ± 57	18 ± 57	19 ± 57
CD29 + IL-23R	16 ± 29	4 ± 8	5 ± 8	7 ± 9	18 ± 29
CD29 + Ki67	2 ± 4	1 ± 4	1 ± 4	2 ± 5	2 ± 4
CD29 + PI	157 ± 136	71 ± 102	82 ± 95	204 ± 341	184 ± 136
CD29 + Podoplanin	24 ± 35	15 ± 31	16 ± 31	39 ± 67	15 ± 31
CD29 + SNA1	114 ± 117	51 ± 65	60 ± 59	79 ± 67	92 ± 64
CD29 + STAT3	12 ± 20	8 ± 19	8 ± 19	19 ± 38	10 ± 19
CD29 + TIA1	17 ± 16	6 ± 12	7 ± 12	20 ± 37	12 ± 12
CD29 + Vimentin	133 ± 137	54 ± 87	66 ± 82	163 ± 269	106 ± 106

Tabelle 706: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	32 ± 69	8 ± 15	9 ± 14	23 ± 43	43 ± 68
CD3 + BCL2	237 ± 213	110 ± 197	203 ± 253	584 ± 878	612 ± 995
CD3 + CCR6	408 ± 406	199 ± 384	297 ± 362	1162 ± 1504	765 ± 1024
CD3 + CD11a	1178 ± 1236	650 ± 1150	866 ± 1077	2339 ± 3007	1595 ± 1638
CD3 + CD11b	312 ± 498	266 ± 518	269 ± 516	384 ± 504	762 ± 811
CD3 + CD120a	14 ± 27	8 ± 24	8 ± 23	11 ± 23	17 ± 31
CD3 + CD120b	183 ± 308	58 ± 160	83 ± 160	197 ± 254	628 ± 1218
CD3 + CD138	32 ± 52	7 ± 16	8 ± 16	12 ± 18	8 ± 16
CD3 + CD15	8 ± 14	1 ± 2	3 ± 3	11 ± 18	3 ± 3
CD3 + CD1a	30 ± 43	16 ± 24	14 ± 23	25 ± 29	66 ± 104
CD3 + CD2	1155 ± 1213	668 ± 1185	874 ± 1111	2114 ± 2281	1850 ± 1936
CD3 + CD207	63 ± 78	48 ± 82	55 ± 79	111 ± 150	136 ± 147
CD3 + CD24	11 ± 12	8 ± 12	10 ± 13	23 ± 31	11 ± 11
CD3 + CD28	988 ± 1119	498 ± 977	659 ± 937	1805 ± 2308	1530 ± 1849
CD3 + CD29	200 ± 204	79 ± 130	93 ± 123	255 ± 425	197 ± 164
CD3 + CD31	33 ± 64	10 ± 18	11 ± 17	22 ± 23	74 ± 108
CD3 + CD4	1256 ± 1394	678 ± 1211	879 ± 1133	2188 ± 2395	1890 ± 2020
CD3 + CD44	1035 ± 943	602 ± 970	832 ± 889	2149 ± 2709	1448 ± 1267
CD3 + CD45	1075 ± 1075	584 ± 1041	799 ± 969	2258 ± 2888	1522 ± 1533
CD3 + CD45RA	249 ± 271	130 ± 247	158 ± 236	408 ± 476	328 ± 339
CD3 + CD45RO	699 ± 852	330 ± 754	487 ± 734	1646 ± 2372	1289 ± 1852
CD3 + CD52	889 ± 1060	504 ± 1047	677 ± 1006	1974 ± 2858	1479 ± 1695
CD3 + CD54	934 ± 1025	479 ± 890	577 ± 852	1785 ± 2489	1221 ± 1225
CD3 + CD56	21 ± 32	4 ± 7	8 ± 8	28 ± 47	15 ± 20
CD3 + CD58	216 ± 368	106 ± 229	103 ± 230	405 ± 817	579 ± 942
CD3 + CD62E	5 ± 8	2 ± 7	3 ± 7	4 ± 7	14 ± 31
CD3 + CD62P	5 ± 10	3 ± 9	4 ± 10	4 ± 9	14 ± 27
CD3 + CD68	240 ± 418	162 ± 424	203 ± 413	453 ± 621	400 ± 589
CD3 + CD7	651 ± 708	384 ± 749	559 ± 717	1736 ± 2450	1098 ± 1207
CD3 + CD8a	311 ± 361	217 ± 390	274 ± 372	706 ± 864	643 ± 730
CD3 + CK14	63 ± 98	36 ± 91	37 ± 91	43 ± 89	38 ± 90
CD3 + CLA	279 ± 232	196 ± 271	254 ± 248	594 ± 745	407 ± 294
CD3 + c-myc	22 ± 32	11 ± 26	14 ± 25	29 ± 60	13 ± 25
CD3 + Collagen IV	87 ± 133	40 ± 75	51 ± 71	157 ± 271	139 ± 168
CD3 + FXIIIA	46 ± 39	27 ± 37	38 ± 37	142 ± 201	184 ± 296
CD3 + HLA-DR	1004 ± 987	544 ± 868	713 ± 801	1709 ± 2249	1265 ± 1109
CD3 + IL-22R	17 ± 40	14 ± 40	14 ± 40	16 ± 40	18 ± 40
CD3 + IL-23R	34 ± 94	2 ± 4	3 ± 4	13 ± 19	42 ± 86
CD3 + Ki67	3 ± 6	2 ± 5	2 ± 5	4 ± 7	2 ± 5
CD3 + PI	1036 ± 1080	600 ± 1058	774 ± 987	1808 ± 2319	1548 ± 1544
CD3 + Podoplanin	92 ± 164	59 ± 156	62 ± 155	146 ± 200	90 ± 165
CD3 + SNA1	308 ± 389	109 ± 170	166 ± 160	222 ± 162	207 ± 172
CD3 + STAT3	16 ± 30	3 ± 5	3 ± 5	15 ± 28	5 ± 6
CD3 + TIA1	109 ± 133	59 ± 131	72 ± 126	154 ± 213	147 ± 160
CD3 + Vimentin	705 ± 873	343 ± 717	479 ± 683	1183 ± 1396	709 ± 795

Tabelle 707: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	25 ± 54	9 ± 15	12 ± 15	15 ± 18	59 ± 136
CD31 + BCL2	6 ± 14	1 ± 2	2 ± 3	5 ± 11	33 ± 85
CD31 + CCR6	3 ± 4	2 ± 3	2 ± 3	6 ± 9	6 ± 12
CD31 + CD11a	16 ± 35	4 ± 8	5 ± 8	14 ± 21	25 ± 49
CD31 + CD11b	6 ± 9	3 ± 9	4 ± 9	5 ± 9	14 ± 14
CD31 + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD120b	4 ± 10	0 ± 1	0 ± 1	1 ± 2	30 ± 58
CD31 + CD138	1 ± 2	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + CD15	1 ± 4	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD31 + CD2	25 ± 49	8 ± 14	9 ± 13	16 ± 18	91 ± 159
CD31 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	24 ± 56	5 ± 9	5 ± 9	15 ± 18	75 ± 143
CD31 + CD29	39 ± 65	17 ± 28	21 ± 27	28 ± 32	85 ± 129
CD31 + CD3	33 ± 64	10 ± 18	11 ± 17	22 ± 23	74 ± 108
CD31 + CD4	39 ± 66	16 ± 27	19 ± 26	28 ± 27	105 ± 163
CD31 + CD44	10 ± 12	6 ± 12	7 ± 12	16 ± 20	24 ± 31
CD31 + CD45	14 ± 32	2 ± 3	2 ± 3	11 ± 17	34 ± 58
CD31 + CD45RA	3 ± 7	2 ± 7	2 ± 7	3 ± 7	6 ± 10
CD31 + CD45RO	5 ± 10	1 ± 1	1 ± 2	7 ± 13	28 ± 55
CD31 + CD52	27 ± 63	5 ± 10	6 ± 9	18 ± 25	70 ± 139
CD31 + CD54	30 ± 37	17 ± 30	21 ± 28	32 ± 36	61 ± 70
CD31 + CD56	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD58	27 ± 59	9 ± 20	9 ± 20	17 ± 20	80 ± 163
CD31 + CD62E	9 ± 17	7 ± 18	8 ± 17	10 ± 19	20 ± 31
CD31 + CD62P	11 ± 21	10 ± 21	10 ± 21	12 ± 22	23 ± 30
CD31 + CD68	9 ± 18	9 ± 18	12 ± 18	18 ± 21	50 ± 83
CD31 + CD7	6 ± 11	4 ± 10	5 ± 10	14 ± 20	22 ± 33
CD31 + CD8a	4 ± 10	1 ± 1	1 ± 2	2 ± 2	10 ± 17
CD31 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CLA	1 ± 3	1 ± 3	1 ± 3	2 ± 3	9 ± 16
CD31 + c-myc	4 ± 8	3 ± 7	4 ± 7	3 ± 7	3 ± 7
CD31 + Collagen IV	26 ± 54	9 ± 15	11 ± 15	19 ± 26	61 ± 82
CD31 + FXIIIA	1 ± 4	1 ± 4	2 ± 4	3 ± 7	6 ± 8
CD31 + HLA-DR	23 ± 26	15 ± 25	16 ± 25	23 ± 27	53 ± 58
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	8 ± 18	1 ± 3	1 ± 3	2 ± 4	16 ± 33
CD31 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + PI	29 ± 51	11 ± 19	13 ± 18	18 ± 19	76 ± 121
CD31 + Podoplanin	3 ± 7	2 ± 7	3 ± 7	3 ± 7	2 ± 7
CD31 + SNA1	27 ± 42	13 ± 23	17 ± 22	21 ± 24	49 ± 59
CD31 + STAT3	2 ± 3	1 ± 3	1 ± 3	1 ± 3	4 ± 7
CD31 + TIA1	2 ± 6	2 ± 6	2 ± 6	2 ± 6	4 ± 8
CD31 + Vimentin	25 ± 37	12 ± 22	15 ± 21	20 ± 23	35 ± 44

Tabelle 708: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	37 ± 69	12 ± 18	14 ± 18	18 ± 21	69 ± 135
CD4 + BCL2	225 ± 203	102 ± 187	181 ± 226	559 ± 855	614 ± 1020
CD4 + CCR6	382 ± 384	192 ± 375	277 ± 352	1044 ± 1389	749 ± 1008
CD4 + CD11a	1129 ± 1225	629 ± 1146	815 ± 1078	2055 ± 2409	1565 ± 1653
CD4 + CD11b	313 ± 512	273 ± 531	274 ± 530	381 ± 510	754 ± 801
CD4 + CD120a	13 ± 24	6 ± 20	7 ± 20	10 ± 20	16 ± 29
CD4 + CD120b	179 ± 303	57 ± 159	80 ± 158	189 ± 241	632 ± 1229
CD4 + CD138	28 ± 47	5 ± 13	6 ± 12	7 ± 12	6 ± 12
CD4 + CD15	7 ± 12	1 ± 2	2 ± 2	7 ± 8	3 ± 3
CD4 + CD1a	29 ± 41	15 ± 22	13 ± 21	24 ± 27	66 ± 104
CD4 + CD2	1111 ± 1200	651 ± 1179	831 ± 1109	1971 ± 2101	1837 ± 1978
CD4 + CD207	60 ± 71	45 ± 75	52 ± 72	103 ± 135	133 ± 145
CD4 + CD24	9 ± 10	7 ± 11	8 ± 11	16 ± 25	9 ± 10
CD4 + CD28	957 ± 1105	487 ± 967	631 ± 927	1653 ± 1981	1535 ± 1891
CD4 + CD29	200 ± 198	83 ± 129	97 ± 121	211 ± 286	220 ± 184
CD4 + CD3	1256 ± 1394	678 ± 1211	879 ± 1133	2188 ± 2395	1890 ± 2020
CD4 + CD31	39 ± 66	16 ± 27	19 ± 26	28 ± 27	105 ± 163
CD4 + CD44	997 ± 945	586 ± 972	782 ± 895	1849 ± 2003	1411 ± 1277
CD4 + CD45	1033 ± 1063	566 ± 1026	753 ± 959	2007 ± 2378	1494 ± 1549
CD4 + CD45RA	237 ± 266	125 ± 243	147 ± 235	365 ± 429	315 ± 344
CD4 + CD45RO	687 ± 842	329 ± 755	470 ± 731	1489 ± 1971	1283 ± 1852
CD4 + CD52	865 ± 1051	497 ± 1041	648 ± 1000	1718 ± 2210	1480 ± 1732
CD4 + CD54	916 ± 1015	483 ± 901	574 ± 863	1654 ± 2146	1218 ± 1225
CD4 + CD56	23 ± 34	4 ± 8	8 ± 9	19 ± 24	14 ± 19
CD4 + CD58	215 ± 363	107 ± 229	104 ± 230	406 ± 828	604 ± 997
CD4 + CD62E	9 ± 16	7 ± 17	8 ± 16	8 ± 17	19 ± 33
CD4 + CD62P	11 ± 20	9 ± 20	10 ± 20	10 ± 20	21 ± 30
CD4 + CD68	245 ± 425	168 ± 433	206 ± 422	439 ± 617	419 ± 605
CD4 + CD7	619 ± 685	364 ± 721	515 ± 689	1517 ± 1972	1067 ± 1209
CD4 + CD8a	280 ± 340	195 ± 366	238 ± 351	578 ± 630	608 ± 729
CD4 + CK14	50 ± 72	25 ± 61	26 ± 60	29 ± 59	27 ± 60
CD4 + CLA	255 ± 228	180 ± 263	232 ± 243	517 ± 602	385 ± 300
CD4 + c-myc	22 ± 30	10 ± 24	14 ± 24	16 ± 27	13 ± 24
CD4 + Collagen IV	89 ± 132	44 ± 80	54 ± 75	123 ± 172	155 ± 172
CD4 + FXIIIA	50 ± 47	29 ± 47	38 ± 44	129 ± 192	180 ± 284
CD4 + HLA-DR	975 ± 983	539 ± 884	686 ± 822	1465 ± 1607	1245 ± 1125
CD4 + IL-22R	14 ± 29	10 ± 29	11 ± 29	13 ± 29	15 ± 29
CD4 + IL-23R	34 ± 92	2 ± 6	3 ± 6	14 ± 20	49 ± 99
CD4 + Ki67	2 ± 5	1 ± 4	1 ± 4	4 ± 7	2 ± 4
CD4 + PI	1000 ± 1072	590 ± 1057	736 ± 993	1565 ± 1769	1537 ± 1573
CD4 + Podoplanin	91 ± 164	57 ± 154	60 ± 153	122 ± 164	89 ± 163
CD4 + SNA1	305 ± 374	114 ± 183	166 ± 168	209 ± 165	215 ± 187
CD4 + STAT3	17 ± 29	3 ± 5	4 ± 5	10 ± 20	6 ± 8
CD4 + TIA1	100 ± 127	55 ± 126	65 ± 123	127 ± 167	138 ± 160
CD4 + Vimentin	688 ± 859	342 ± 724	457 ± 689	1085 ± 1288	697 ± 802

Tabelle 709: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	11 ± 15	7 ± 13	6 ± 12	20 ± 46	16 ± 28
CD44 + BCL2	219 ± 174	126 ± 196	213 ± 235	513 ± 697	412 ± 541
CD44 + CCR6	373 ± 363	182 ± 334	279 ± 314	1009 ± 1251	602 ± 675
CD44 + CD11a	980 ± 881	578 ± 930	789 ± 856	2053 ± 2756	1251 ± 1114
CD44 + CD11b	290 ± 413	253 ± 431	254 ± 430	365 ± 421	593 ± 486
CD44 + CD120a	28 ± 75	23 ± 76	24 ± 76	27 ± 75	30 ± 75
CD44 + CD120b	144 ± 223	49 ± 130	73 ± 131	182 ± 236	423 ± 808
CD44 + CD138	70 ± 149	47 ± 148	47 ± 147	51 ± 146	47 ± 147
CD44 + CD15	5 ± 6	2 ± 3	3 ± 3	11 ± 17	3 ± 4
CD44 + CD1a	40 ± 73	32 ± 73	30 ± 73	41 ± 73	72 ± 97
CD44 + CD2	926 ± 850	575 ± 935	775 ± 862	1792 ± 1917	1381 ± 1201
CD44 + CD207	108 ± 245	98 ± 249	106 ± 246	160 ± 267	171 ± 246
CD44 + CD24	11 ± 11	8 ± 12	11 ± 12	23 ± 31	12 ± 10
CD44 + CD28	772 ± 759	414 ± 766	570 ± 732	1585 ± 2124	1109 ± 1185
CD44 + CD29	182 ± 142	98 ± 140	110 ± 132	266 ± 421	177 ± 153
CD44 + CD3	1035 ± 943	602 ± 970	832 ± 889	2149 ± 2709	1448 ± 1267
CD44 + CD31	10 ± 12	6 ± 12	7 ± 12	16 ± 20	24 ± 31
CD44 + CD4	997 ± 945	586 ± 972	782 ± 895	1849 ± 2003	1411 ± 1277
CD44 + CD45	915 ± 807	518 ± 853	730 ± 783	1974 ± 2626	1192 ± 1037
CD44 + CD45RA	221 ± 201	126 ± 211	153 ± 200	375 ± 426	263 ± 217
CD44 + CD45RO	561 ± 614	271 ± 586	421 ± 574	1436 ± 2213	910 ± 1192
CD44 + CD52	702 ± 786	422 ± 840	591 ± 806	1761 ± 2734	1085 ± 1075
CD44 + CD54	777 ± 766	425 ± 753	523 ± 715	1596 ± 2344	988 ± 884
CD44 + CD56	24 ± 32	8 ± 14	11 ± 13	29 ± 52	17 ± 18
CD44 + CD58	185 ± 240	122 ± 210	119 ± 211	363 ± 632	432 ± 583
CD44 + CD62E	3 ± 6	2 ± 6	3 ± 6	3 ± 6	4 ± 6
CD44 + CD62P	4 ± 8	3 ± 8	4 ± 9	4 ± 9	4 ± 8
CD44 + CD68	216 ± 324	154 ± 335	194 ± 322	377 ± 457	286 ± 391
CD44 + CD7	561 ± 569	331 ± 616	502 ± 590	1552 ± 2315	850 ± 844
CD44 + CD8a	262 ± 274	190 ± 305	242 ± 289	641 ± 822	457 ± 406
CD44 + CK14	139 ± 355	115 ± 359	116 ± 359	122 ± 357	117 ± 359
CD44 + CLA	271 ± 231	203 ± 268	260 ± 243	578 ± 737	382 ± 249
CD44 + c-myc	73 ± 203	65 ± 205	67 ± 204	82 ± 207	65 ± 205
CD44 + Collagen IV	60 ± 65	40 ± 63	51 ± 59	148 ± 272	110 ± 149
CD44 + FXIIIA	44 ± 34	31 ± 36	40 ± 35	116 ± 149	111 ± 128
CD44 + HLA-DR	969 ± 781	601 ± 842	769 ± 761	1731 ± 2270	1207 ± 896
CD44 + IL-22R	73 ± 230	71 ± 231	71 ± 231	73 ± 230	75 ± 230
CD44 + IL-23R	17 ± 29	6 ± 12	6 ± 12	14 ± 19	24 ± 41
CD44 + Ki67	4 ± 8	4 ± 8	4 ± 8	5 ± 9	4 ± 8
CD44 + PI	832 ± 740	537 ± 841	703 ± 766	1615 ± 2163	1188 ± 987
CD44 + Podoplanin	80 ± 125	48 ± 109	51 ± 108	132 ± 176	75 ± 118
CD44 + SNA1	278 ± 286	115 ± 158	170 ± 144	218 ± 147	190 ± 141
CD44 + STAT3	20 ± 33	11 ± 32	12 ± 31	22 ± 39	11 ± 31
CD44 + TIA1	89 ± 98	51 ± 105	64 ± 101	145 ± 203	111 ± 112
CD44 + Vimentin	582 ± 601	323 ± 579	454 ± 542	1036 ± 1162	635 ± 615

Tabelle 710: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	18 ± 40	3 ± 4	2 ± 2	13 ± 35	22 ± 45
CD45 + BCL2	211 ± 177	96 ± 168	180 ± 218	562 ± 872	532 ± 861
CD45 + CCR6	374 ± 380	172 ± 339	265 ± 319	1085 ± 1483	621 ± 792
CD45 + CD11a	1033 ± 1030	571 ± 1019	776 ± 951	2202 ± 2930	1421 ± 1469
CD45 + CD11b	270 ± 431	230 ± 448	233 ± 446	326 ± 438	608 ± 600
CD45 + CD120a	16 ± 37	11 ± 37	13 ± 37	14 ± 36	19 ± 39
CD45 + CD120b	168 ± 271	54 ± 151	77 ± 150	190 ± 245	586 ± 1139
CD45 + CD138	31 ± 52	8 ± 22	9 ± 22	12 ± 23	8 ± 22
CD45 + CD15	5 ± 7	1 ± 2	2 ± 3	9 ± 17	3 ± 3
CD45 + CD1a	32 ± 42	20 ± 33	18 ± 34	28 ± 37	69 ± 104
CD45 + CD2	984 ± 989	569 ± 1026	763 ± 960	1955 ± 2260	1496 ± 1522
CD45 + CD207	66 ± 87	52 ± 92	60 ± 89	110 ± 151	137 ± 149
CD45 + CD24	10 ± 11	7 ± 11	9 ± 12	21 ± 29	9 ± 11
CD45 + CD28	869 ± 925	449 ± 879	600 ± 841	1721 ± 2269	1306 ± 1536
CD45 + CD29	159 ± 146	60 ± 95	70 ± 90	222 ± 400	144 ± 113
CD45 + CD3	1075 ± 1075	584 ± 1041	799 ± 969	2258 ± 2888	1522 ± 1533
CD45 + CD31	14 ± 32	2 ± 3	2 ± 3	11 ± 17	34 ± 58
CD45 + CD4	1033 ± 1063	566 ± 1026	753 ± 959	2007 ± 2378	1494 ± 1549
CD45 + CD44	915 ± 807	518 ± 853	730 ± 783	1974 ± 2626	1192 ± 1037
CD45 + CD45RA	223 ± 227	118 ± 221	144 ± 212	397 ± 484	300 ± 310
CD45 + CD45RO	646 ± 755	313 ± 710	462 ± 689	1599 ± 2359	1105 ± 1519
CD45 + CD52	786 ± 905	450 ± 934	616 ± 895	1869 ± 2774	1283 ± 1440
CD45 + CD54	798 ± 829	413 ± 785	506 ± 752	1689 ± 2447	1029 ± 1039
CD45 + CD56	19 ± 29	3 ± 6	7 ± 8	27 ± 49	10 ± 11
CD45 + CD58	193 ± 310	100 ± 204	97 ± 205	396 ± 815	533 ± 855
CD45 + CD62E	1 ± 2	0 ± 0	0 ± 0	1 ± 2	1 ± 3
CD45 + CD62P	1 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD45 + CD68	197 ± 331	134 ± 340	169 ± 330	412 ± 583	273 ± 406
CD45 + CD7	595 ± 635	348 ± 680	513 ± 649	1663 ± 2407	1013 ± 1127
CD45 + CD8a	291 ± 337	202 ± 365	257 ± 349	681 ± 863	597 ± 676
CD45 + CK14	57 ± 96	34 ± 92	35 ± 91	37 ± 91	35 ± 91
CD45 + CLA	237 ± 201	165 ± 233	220 ± 213	541 ± 744	350 ± 251
CD45 + c-myc	21 ± 35	12 ± 34	14 ± 34	28 ± 59	13 ± 34
CD45 + Collagen IV	55 ± 77	25 ± 48	33 ± 47	124 ± 232	91 ± 111
CD45 + FXIIIA	38 ± 33	21 ± 33	31 ± 34	131 ± 205	101 ± 132
CD45 + HLA-DR	843 ± 758	457 ± 735	612 ± 679	1545 ± 2169	1019 ± 875
CD45 + IL-22R	20 ± 52	17 ± 52	17 ± 52	19 ± 52	21 ± 52
CD45 + IL-23R	23 ± 55	3 ± 6	3 ± 6	12 ± 18	24 ± 47
CD45 + Ki67	2 ± 4	1 ± 3	1 ± 3	4 ± 7	2 ± 3
CD45 + PI	855 ± 852	496 ± 896	656 ± 835	1631 ± 2225	1248 ± 1244
CD45 + Podoplanin	74 ± 131	42 ± 116	46 ± 115	120 ± 157	70 ± 127
CD45 + SNA1	256 ± 291	92 ± 151	144 ± 144	191 ± 148	162 ± 145
CD45 + STAT3	15 ± 25	2 ± 4	3 ± 4	15 ± 28	4 ± 5
CD45 + TIA1	99 ± 116	55 ± 120	67 ± 115	147 ± 207	139 ± 150
CD45 + Vimentin	569 ± 645	280 ± 580	400 ± 553	1061 ± 1334	520 ± 593

Tabelle 711: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	5 ± 5	3 ± 5	2 ± 5	9 ± 21	5 ± 6
CD45RA + BCL2	50 ± 45	21 ± 40	33 ± 39	115 ± 191	136 ± 239
CD45RA + CCR6	89 ± 95	47 ± 94	58 ± 90	215 ± 279	147 ± 202
CD45RA + CD11a	240 ± 259	128 ± 246	156 ± 236	409 ± 502	308 ± 323
CD45RA + CD11b	94 ± 149	81 ± 156	82 ± 155	107 ± 151	198 ± 211
CD45RA + CD120a	1 ± 3	0 ± 0	0 ± 0	0 ± 1	4 ± 8
CD45RA + CD120b	36 ± 57	11 ± 30	14 ± 30	39 ± 48	125 ± 246
CD45RA + CD138	3 ± 6	1 ± 2	1 ± 2	5 ± 12	1 ± 2
CD45RA + CD15	2 ± 4	0 ± 1	0 ± 1	6 ± 15	1 ± 2
CD45RA + CD1a	3 ± 6	2 ± 7	0 ± 1	1 ± 1	2 ± 5
CD45RA + CD2	222 ± 243	121 ± 239	146 ± 230	354 ± 406	317 ± 338
CD45RA + CD207	4 ± 6	2 ± 6	2 ± 4	5 ± 9	13 ± 20
CD45RA + CD24	4 ± 5	3 ± 5	4 ± 5	9 ± 10	5 ± 4
CD45RA + CD28	191 ± 216	91 ± 196	108 ± 190	304 ± 390	263 ± 323
CD45RA + CD29	45 ± 38	17 ± 28	19 ± 28	50 ± 79	36 ± 33
CD45RA + CD3	249 ± 271	130 ± 247	158 ± 236	408 ± 476	328 ± 339
CD45RA + CD31	3 ± 7	2 ± 7	2 ± 7	3 ± 7	6 ± 10
CD45RA + CD4	237 ± 266	125 ± 243	147 ± 235	365 ± 429	315 ± 344
CD45RA + CD44	221 ± 201	126 ± 211	153 ± 200	375 ± 426	263 ± 217
CD45RA + CD45	223 ± 227	118 ± 221	144 ± 212	397 ± 484	300 ± 310
CD45RA + CD45RO	112 ± 135	50 ± 122	64 ± 119	241 ± 337	205 ± 314
CD45RA + CD52	193 ± 229	108 ± 234	128 ± 227	368 ± 490	288 ± 332
CD45RA + CD54	209 ± 231	98 ± 190	112 ± 186	329 ± 430	251 ± 269
CD45RA + CD56	10 ± 14	5 ± 12	7 ± 13	16 ± 31	10 ± 13
CD45RA + CD58	44 ± 70	24 ± 49	21 ± 50	98 ± 208	121 ± 206
CD45RA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD45RA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD68	59 ± 98	34 ± 95	43 ± 93	113 ± 177	75 ± 115
CD45RA + CD7	160 ± 177	90 ± 184	114 ± 177	337 ± 430	249 ± 274
CD45RA + CD8a	97 ± 98	63 ± 110	69 ± 108	156 ± 156	189 ± 212
CD45RA + CK14	2 ± 2	1 ± 1	1 ± 1	1 ± 2	1 ± 1
CD45RA + CLA	70 ± 56	42 ± 65	49 ± 62	146 ± 195	95 ± 72
CD45RA + c-myc	4 ± 5	2 ± 4	2 ± 4	10 ± 28	2 ± 4
CD45RA + Collagen IV	11 ± 20	9 ± 20	9 ± 20	22 ± 35	20 ± 32
CD45RA + FXIIIA	15 ± 16	10 ± 16	11 ± 16	38 ± 57	34 ± 46
CD45RA + HLA-DR	212 ± 202	115 ± 187	134 ± 179	311 ± 363	237 ± 194
CD45RA + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 3
CD45RA + IL-23R	4 ± 13	0 ± 1	0 ± 1	2 ± 3	5 ± 11
CD45RA + Ki67	0 ± 1	0 ± 1	0 ± 1	1 ± 3	0 ± 1
CD45RA + PI	206 ± 204	118 ± 214	138 ± 206	320 ± 383	285 ± 277
CD45RA + Podoplanin	19 ± 30	9 ± 18	9 ± 18	29 ± 34	11 ± 17
CD45RA + SNA1	70 ± 76	24 ± 33	29 ± 31	39 ± 33	37 ± 31
CD45RA + STAT3	4 ± 6	3 ± 6	3 ± 6	11 ± 21	3 ± 6
CD45RA + TIA1	47 ± 58	27 ± 60	34 ± 58	55 ± 74	75 ± 77
CD45RA + Vimentin	139 ± 186	70 ± 157	82 ± 154	202 ± 261	108 ± 150

Tabelle 712: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	9 ± 15	1 ± 2	1 ± 2	14 ± 42	12 ± 30
CD45RO + BCL2	149 ± 146	54 ± 112	125 ± 190	475 ± 799	515 ± 959
CD45RO + CCR6	259 ± 300	111 ± 268	176 ± 265	824 ± 1144	570 ± 961
CD45RO + CD11a	667 ± 806	322 ± 742	471 ± 722	1604 ± 2407	1131 ± 1598
CD45RO + CD11b	172 ± 349	141 ± 359	149 ± 356	224 ± 353	522 ± 727
CD45RO + CD120a	4 ± 8	2 ± 5	3 ± 5	4 ± 5	11 ± 23
CD45RO + CD120b	133 ± 216	45 ± 142	66 ± 141	169 ± 230	586 ± 1181
CD45RO + CD138	22 ± 41	2 ± 5	3 ± 5	8 ± 16	3 ± 5
CD45RO + CD15	3 ± 7	0 ± 0	1 ± 2	10 ± 21	1 ± 1
CD45RO + CD1a	19 ± 32	7 ± 16	7 ± 15	16 ± 25	53 ± 102
CD45RO + CD2	665 ± 803	333 ± 758	483 ± 737	1497 ± 1983	1281 ± 1825
CD45RO + CD207	37 ± 51	23 ± 53	31 ± 51	75 ± 127	91 ± 142
CD45RO + CD24	4 ± 4	2 ± 3	4 ± 7	12 ± 21	3 ± 3
CD45RO + CD28	597 ± 729	282 ± 660	408 ± 649	1325 ± 1928	1158 ± 1749
CD45RO + CD29	97 ± 114	30 ± 76	39 ± 73	184 ± 394	84 ± 85
CD45RO + CD3	699 ± 852	330 ± 754	487 ± 734	1646 ± 2372	1289 ± 1852
CD45RO + CD31	5 ± 10	1 ± 1	1 ± 2	7 ± 13	28 ± 55
CD45RO + CD4	687 ± 842	329 ± 755	470 ± 731	1489 ± 1971	1283 ± 1852
CD45RO + CD44	561 ± 614	271 ± 586	421 ± 574	1436 ± 2213	910 ± 1192
CD45RO + CD45	646 ± 755	313 ± 710	462 ± 689	1599 ± 2359	1105 ± 1519
CD45RO + CD45RA	112 ± 135	50 ± 122	64 ± 119	241 ± 337	205 ± 314
CD45RO + CD52	516 ± 660	276 ± 665	405 ± 656	1420 ± 2339	1078 ± 1570
CD45RO + CD54	520 ± 629	242 ± 566	320 ± 550	1261 ± 2031	808 ± 1103
CD45RO + CD56	14 ± 20	4 ± 7	6 ± 8	31 ± 66	10 ± 13
CD45RO + CD58	137 ± 245	65 ± 177	67 ± 177	285 ± 585	486 ± 878
CD45RO + CD62E	1 ± 3	0 ± 0	0 ± 0	1 ± 1	1 ± 3
CD45RO + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD45RO + CD68	138 ± 276	93 ± 280	118 ± 275	326 ± 482	270 ± 439
CD45RO + CD7	398 ± 485	207 ± 495	333 ± 497	1266 ± 2020	817 ± 1179
CD45RO + CD8a	164 ± 246	105 ± 259	142 ± 254	485 ± 735	465 ± 723
CD45RO + CK14	29 ± 44	9 ± 23	10 ± 22	12 ± 23	10 ± 22
CD45RO + CLA	138 ± 171	84 ± 181	129 ± 179	391 ± 663	235 ± 286
CD45RO + c-myc	9 ± 14	2 ± 3	4 ± 7	23 ± 69	4 ± 6
CD45RO + Collagen IV	31 ± 50	13 ± 36	18 ± 35	88 ± 179	50 ± 62
CD45RO + FXIIIA	24 ± 21	12 ± 19	21 ± 24	111 ± 186	126 ± 221
CD45RO + HLA-DR	537 ± 625	240 ± 525	352 ± 510	1126 ± 1844	763 ± 1000
CD45RO + IL-22R	4 ± 7	2 ± 5	2 ± 4	3 ± 5	6 ± 9
CD45RO + IL-23R	14 ± 34	1 ± 3	1 ± 3	11 ± 19	32 ± 70
CD45RO + Ki67	1 ± 3	1 ± 3	1 ± 3	4 ± 9	1 ± 3
CD45RO + PI	554 ± 657	282 ± 637	399 ± 613	1192 ± 1893	1018 ± 1414
CD45RO + Podoplanin	56 ± 106	31 ± 95	32 ± 95	98 ± 144	62 ± 112
CD45RO + SNA1	190 ± 246	57 ± 116	103 ± 123	144 ± 129	121 ± 139
CD45RO + STAT3	14 ± 24	2 ± 5	3 ± 5	17 ± 37	3 ± 5
CD45RO + TIA1	60 ± 80	32 ± 81	39 ± 80	106 ± 179	102 ± 142
CD45RO + Vimentin	415 ± 547	181 ± 471	272 ± 463	827 ± 1097	442 ± 605

Tabelle 713: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	25 ± 65	3 ± 6	3 ± 6	21 ± 58	49 ± 120
CD52 + BCL2	178 ± 175	80 ± 167	161 ± 228	492 ± 791	530 ± 919
CD52 + CCR6	318 ± 355	161 ± 339	237 ± 327	941 ± 1307	637 ± 900
CD52 + CD11a	835 ± 996	484 ± 1014	653 ± 975	1928 ± 2896	1300 ± 1478
CD52 + CD11b	229 ± 448	195 ± 460	197 ± 459	275 ± 447	557 ± 679
CD52 + CD120a	4 ± 9	0 ± 1	1 ± 1	3 ± 4	9 ± 22
CD52 + CD120b	133 ± 217	48 ± 148	68 ± 146	174 ± 239	577 ± 1141
CD52 + CD138	7 ± 12	1 ± 2	1 ± 2	6 ± 15	1 ± 2
CD52 + CD15	4 ± 9	0 ± 0	1 ± 1	10 ± 22	1 ± 2
CD52 + CD1a	13 ± 20	9 ± 17	8 ± 17	18 ± 28	56 ± 99
CD52 + CD2	836 ± 1006	494 ± 1038	658 ± 998	1670 ± 2125	1469 ± 1706
CD52 + CD207	32 ± 57	26 ± 59	34 ± 58	87 ± 158	109 ± 144
CD52 + CD24	8 ± 11	5 ± 11	8 ± 12	18 ± 28	7 ± 10
CD52 + CD28	745 ± 902	403 ± 883	538 ± 861	1535 ± 2222	1298 ± 1657
CD52 + CD29	121 ± 139	41 ± 70	48 ± 68	211 ± 447	143 ± 138
CD52 + CD3	889 ± 1060	504 ± 1047	677 ± 1006	1974 ± 2858	1479 ± 1695
CD52 + CD31	27 ± 63	5 ± 10	6 ± 9	18 ± 25	70 ± 139
CD52 + CD4	865 ± 1051	497 ± 1041	648 ± 1000	1718 ± 2210	1480 ± 1732
CD52 + CD44	702 ± 786	422 ± 840	591 ± 806	1761 ± 2734	1085 ± 1075
CD52 + CD45	786 ± 905	450 ± 934	616 ± 895	1869 ± 2774	1283 ± 1440
CD52 + CD45RA	193 ± 229	108 ± 234	128 ± 227	368 ± 490	288 ± 332
CD52 + CD45RO	516 ± 660	276 ± 665	405 ± 656	1420 ± 2339	1078 ± 1570
CD52 + CD54	656 ± 749	366 ± 745	442 ± 724	1531 ± 2435	991 ± 1081
CD52 + CD56	12 ± 19	3 ± 6	5 ± 7	28 ± 70	9 ± 10
CD52 + CD58	156 ± 272	83 ± 192	80 ± 193	346 ± 720	539 ± 927
CD52 + CD62E	3 ± 5	1 ± 3	1 ± 3	3 ± 8	12 ± 28
CD52 + CD62P	3 ± 6	2 ± 5	2 ± 5	4 ± 8	12 ± 23
CD52 + CD68	155 ± 335	120 ± 344	144 ± 339	376 ± 556	285 ± 453
CD52 + CD7	482 ± 605	303 ± 655	443 ± 638	1483 ± 2371	936 ± 1113
CD52 + CD8a	258 ± 338	175 ± 361	225 ± 349	616 ± 862	568 ± 706
CD52 + CK14	6 ± 11	2 ± 7	2 ± 7	4 ± 9	3 ± 7
CD52 + CLA	184 ± 206	122 ± 223	169 ± 215	480 ± 779	289 ± 252
CD52 + c-myc	5 ± 8	3 ± 6	2 ± 5	24 ± 73	3 ± 6
CD52 + Collagen IV	54 ± 88	23 ± 52	27 ± 51	128 ± 281	106 ± 129
CD52 + FXIIIA	28 ± 33	19 ± 36	25 ± 35	126 ± 206	111 ± 176
CD52 + HLA-DR	640 ± 718	367 ± 733	489 ± 704	1396 ± 2320	920 ± 915
CD52 + IL-22R	1 ± 3	1 ± 3	1 ± 3	2 ± 4	5 ± 8
CD52 + IL-23R	15 ± 45	0 ± 1	1 ± 2	7 ± 12	34 ± 81
CD52 + Ki67	1 ± 2	0 ± 0	0 ± 1	4 ± 11	0 ± 1
CD52 + PI	742 ± 884	445 ± 917	574 ± 877	1483 ± 2310	1210 ± 1325
CD52 + Podoplanin	68 ± 143	44 ± 135	45 ± 135	125 ± 207	65 ± 138
CD52 + SNA1	176 ± 181	78 ± 143	118 ± 143	165 ± 147	150 ± 154
CD52 + STAT3	6 ± 7	3 ± 6	3 ± 5	17 ± 37	5 ± 7
CD52 + TIA1	92 ± 120	54 ± 126	63 ± 123	140 ± 215	130 ± 152
CD52 + Vimentin	440 ± 607	233 ± 590	327 ± 576	879 ± 1222	458 ± 606

Tabelle 714: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	24 ± 31	12 ± 18	14 ± 18	24 ± 45	32 ± 36
CD54 + BCL2	170 ± 165	72 ± 142	115 ± 157	467 ± 772	402 ± 646
CD54 + CCR6	317 ± 325	138 ± 273	186 ± 259	837 ± 1249	505 ± 668
CD54 + CD11a	844 ± 916	440 ± 842	533 ± 808	1734 ± 2504	1050 ± 1060
CD54 + CD11b	257 ± 435	217 ± 451	220 ± 449	270 ± 433	602 ± 647
CD54 + CD120a	5 ± 11	0 ± 1	1 ± 1	3 ± 3	8 ± 20
CD54 + CD120b	159 ± 266	48 ± 138	63 ± 136	168 ± 238	454 ± 870
CD54 + CD138	17 ± 39	2 ± 6	3 ± 6	5 ± 9	3 ± 6
CD54 + CD15	5 ± 9	1 ± 2	1 ± 2	6 ± 13	1 ± 2
CD54 + CD1a	22 ± 36	10 ± 18	8 ± 18	17 ± 28	55 ± 89
CD54 + CD2	821 ± 880	456 ± 871	544 ± 837	1517 ± 1931	1163 ± 1168
CD54 + CD207	43 ± 57	29 ± 59	36 ± 57	84 ± 153	105 ± 120
CD54 + CD24	8 ± 8	5 ± 8	8 ± 10	14 ± 16	8 ± 8
CD54 + CD28	729 ± 811	365 ± 737	441 ± 713	1416 ± 2010	1008 ± 1138
CD54 + CD29	184 ± 165	82 ± 127	95 ± 120	233 ± 389	185 ± 154
CD54 + CD3	934 ± 1025	479 ± 890	577 ± 852	1785 ± 2489	1221 ± 1225
CD54 + CD31	30 ± 37	17 ± 30	21 ± 28	32 ± 36	61 ± 70
CD54 + CD4	916 ± 1015	483 ± 901	574 ± 863	1654 ± 2146	1218 ± 1225
CD54 + CD44	777 ± 766	425 ± 753	523 ± 715	1596 ± 2344	988 ± 884
CD54 + CD45	798 ± 829	413 ± 785	506 ± 752	1689 ± 2447	1029 ± 1039
CD54 + CD45RA	209 ± 231	98 ± 190	112 ± 186	329 ± 430	251 ± 269
CD54 + CD45RO	520 ± 629	242 ± 566	320 ± 550	1261 ± 2031	808 ± 1103
CD54 + CD52	656 ± 749	366 ± 745	442 ± 724	1531 ± 2435	991 ± 1081
CD54 + CD56	18 ± 31	2 ± 5	6 ± 7	20 ± 41	8 ± 10
CD54 + CD58	172 ± 291	91 ± 204	87 ± 205	353 ± 753	484 ± 768
CD54 + CD62E	10 ± 17	7 ± 18	9 ± 17	10 ± 19	20 ± 32
CD54 + CD62P	12 ± 21	10 ± 21	11 ± 21	12 ± 22	22 ± 30
CD54 + CD68	202 ± 351	126 ± 352	148 ± 346	374 ± 554	294 ± 451
CD54 + CD7	508 ± 567	287 ± 588	368 ± 566	1340 ± 2106	793 ± 868
CD54 + CD8a	240 ± 272	163 ± 295	182 ± 288	517 ± 705	452 ± 493
CD54 + CK14	23 ± 41	7 ± 23	7 ± 23	8 ± 23	8 ± 23
CD54 + CLA	182 ± 170	111 ± 184	140 ± 176	413 ± 709	257 ± 202
CD54 + c-myc	14 ± 19	8 ± 16	10 ± 16	20 ± 40	9 ± 16
CD54 + Collagen IV	63 ± 75	38 ± 59	43 ± 56	130 ± 241	109 ± 124
CD54 + FXIIIA	38 ± 39	20 ± 36	29 ± 36	118 ± 187	116 ± 177
CD54 + HLA-DR	769 ± 806	399 ± 694	474 ± 662	1304 ± 1959	899 ± 802
CD54 + IL-22R	3 ± 5	2 ± 4	2 ± 4	3 ± 6	5 ± 8
CD54 + IL-23R	26 ± 65	2 ± 7	3 ± 7	12 ± 19	28 ± 51
CD54 + Ki67	1 ± 4	1 ± 4	1 ± 4	4 ± 9	2 ± 4
CD54 + PI	733 ± 755	415 ± 755	484 ± 724	1286 ± 1907	1004 ± 955
CD54 + Podoplanin	70 ± 127	41 ± 114	41 ± 113	108 ± 157	60 ± 119
CD54 + SNA1	255 ± 308	98 ± 151	132 ± 141	171 ± 137	166 ± 139
CD54 + STAT3	11 ± 17	3 ± 5	3 ± 5	12 ± 22	4 ± 6
CD54 + TIA1	89 ± 102	46 ± 101	53 ± 99	114 ± 174	107 ± 114
CD54 + Vimentin	524 ± 670	240 ± 533	296 ± 516	867 ± 1158	474 ± 565

Tabelle 715: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	7 ± 12	1 ± 3	1 ± 3	10 ± 31	1 ± 3
CD56 + BCL2	3 ± 5	1 ± 1	1 ± 2	10 ± 24	5 ± 12
CD56 + CCR6	14 ± 24	4 ± 9	6 ± 9	32 ± 62	8 ± 11
CD56 + CD11a	19 ± 27	4 ± 7	8 ± 8	30 ± 59	11 ± 13
CD56 + CD11b	7 ± 9	4 ± 8	4 ± 8	5 ± 8	12 ± 14
CD56 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD120b	3 ± 4	1 ± 1	1 ± 2	1 ± 2	4 ± 8
CD56 + CD138	3 ± 7	1 ± 3	1 ± 2	5 ± 16	1 ± 2
CD56 + CD15	1 ± 2	0 ± 0	0 ± 0	4 ± 14	0 ± 0
CD56 + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	18 ± 28	3 ± 6	7 ± 8	20 ± 26	11 ± 14
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD56 + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD56 + CD28	13 ± 21	2 ± 5	3 ± 5	13 ± 20	11 ± 15
CD56 + CD29	13 ± 20	4 ± 6	4 ± 6	20 ± 53	3 ± 6
CD56 + CD3	21 ± 32	4 ± 7	8 ± 8	28 ± 47	15 ± 20
CD56 + CD31	1 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD4	23 ± 34	4 ± 8	8 ± 9	19 ± 24	14 ± 19
CD56 + CD44	24 ± 32	8 ± 14	11 ± 13	29 ± 52	17 ± 18
CD56 + CD45	19 ± 29	3 ± 6	7 ± 8	27 ± 49	10 ± 11
CD56 + CD45RA	10 ± 14	5 ± 12	7 ± 13	16 ± 31	10 ± 13
CD56 + CD45RO	14 ± 20	4 ± 7	6 ± 8	31 ± 66	10 ± 13
CD56 + CD52	12 ± 19	3 ± 6	5 ± 7	28 ± 70	9 ± 10
CD56 + CD54	18 ± 31	2 ± 5	6 ± 7	20 ± 41	8 ± 10
CD56 + CD58	7 ± 9	2 ± 5	2 ± 5	8 ± 11	5 ± 7
CD56 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	10 ± 18	3 ± 5	3 ± 4	24 ± 55	5 ± 8
CD56 + CD7	13 ± 17	3 ± 6	7 ± 8	16 ± 27	9 ± 9
CD56 + CD8a	6 ± 9	3 ± 5	3 ± 5	5 ± 7	7 ± 7
CD56 + CK14	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD56 + CLA	6 ± 7	2 ± 6	4 ± 6	10 ± 22	4 ± 8
CD56 + c-myc	4 ± 9	2 ± 4	1 ± 2	18 ± 57	1 ± 2
CD56 + Collagen IV	5 ± 8	2 ± 5	2 ± 5	3 ± 5	4 ± 8
CD56 + FXIIIA	7 ± 13	3 ± 6	3 ± 4	25 ± 58	5 ± 7
CD56 + HLA-DR	23 ± 28	8 ± 14	10 ± 14	29 ± 52	17 ± 17
CD56 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + IL-23R	1 ± 2	0 ± 1	0 ± 0	1 ± 2	1 ± 2
CD56 + Ki67	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD56 + PI	14 ± 22	3 ± 6	7 ± 8	22 ± 51	11 ± 13
CD56 + Podoplanin	7 ± 14	4 ± 10	4 ± 10	17 ± 41	4 ± 10
CD56 + SNA1	13 ± 18	3 ± 5	4 ± 4	4 ± 5	6 ± 7
CD56 + STAT3	6 ± 10	3 ± 7	3 ± 6	15 ± 36	2 ± 6
CD56 + TIA1	5 ± 9	1 ± 4	3 ± 5	8 ± 19	2 ± 5
CD56 + Vimentin	17 ± 25	4 ± 7	6 ± 7	20 ± 31	7 ± 12

Tabelle 716: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	25 ± 64	6 ± 10	5 ± 9	11 ± 14	50 ± 137
CD58 + BCL2	61 ± 90	38 ± 79	39 ± 79	164 ± 363	314 ± 603
CD58 + CCR6	52 ± 92	37 ± 95	38 ± 95	262 ± 611	266 ± 522
CD58 + CD11a	201 ± 327	105 ± 218	102 ± 219	398 ± 812	524 ± 818
CD58 + CD11b	47 ± 109	46 ± 110	41 ± 111	55 ± 107	241 ± 408
CD58 + CD120a	12 ± 35	11 ± 36	11 ± 35	11 ± 35	18 ± 38
CD58 + CD120b	59 ± 122	19 ± 56	19 ± 57	61 ± 105	378 ± 796
CD58 + CD138	45 ± 91	24 ± 78	26 ± 77	27 ± 77	24 ± 78
CD58 + CD15	2 ± 3	1 ± 2	1 ± 2	5 ± 8	1 ± 2
CD58 + CD1a	30 ± 52	19 ± 44	17 ± 44	18 ± 44	62 ± 93
CD58 + CD2	199 ± 323	105 ± 218	102 ± 219	382 ± 768	588 ± 967
CD58 + CD207	44 ± 103	38 ± 103	38 ± 103	41 ± 102	94 ± 140
CD58 + CD24	1 ± 2	1 ± 2	1 ± 2	3 ± 3	1 ± 2
CD58 + CD28	190 ± 327	88 ± 197	86 ± 198	351 ± 721	570 ± 964
CD58 + CD29	79 ± 121	38 ± 62	37 ± 62	66 ± 68	117 ± 150
CD58 + CD3	216 ± 368	106 ± 229	103 ± 230	405 ± 817	579 ± 942
CD58 + CD31	27 ± 59	9 ± 20	9 ± 20	17 ± 20	80 ± 163
CD58 + CD4	215 ± 363	107 ± 229	104 ± 230	406 ± 828	604 ± 997
CD58 + CD44	185 ± 240	122 ± 210	119 ± 211	363 ± 632	432 ± 583
CD58 + CD45	193 ± 310	100 ± 204	97 ± 205	396 ± 815	533 ± 855
CD58 + CD45RA	44 ± 70	24 ± 49	21 ± 50	98 ± 208	121 ± 206
CD58 + CD45RO	137 ± 245	65 ± 177	67 ± 177	285 ± 585	486 ± 878
CD58 + CD52	156 ± 272	83 ± 192	80 ± 193	346 ± 720	539 ± 927
CD58 + CD54	172 ± 291	91 ± 204	87 ± 205	353 ± 753	484 ± 768
CD58 + CD56	7 ± 9	2 ± 5	2 ± 5	8 ± 11	5 ± 7
CD58 + CD62E	5 ± 15	5 ± 15	5 ± 15	6 ± 15	13 ± 28
CD58 + CD62P	6 ± 17	5 ± 17	5 ± 17	6 ± 17	13 ± 28
CD58 + CD68	56 ± 106	48 ± 108	49 ± 108	115 ± 198	152 ± 227
CD58 + CD7	119 ± 189	74 ± 168	72 ± 168	312 ± 644	442 ± 712
CD58 + CD8a	61 ± 103	46 ± 97	41 ± 98	127 ± 221	259 ± 440
CD58 + CK14	64 ± 134	43 ± 128	45 ± 128	43 ± 128	43 ± 128
CD58 + CLA	47 ± 70	41 ± 73	39 ± 74	75 ± 101	122 ± 158
CD58 + c-myc	37 ± 105	34 ± 106	35 ± 105	38 ± 105	36 ± 105
CD58 + Collagen IV	32 ± 68	12 ± 28	11 ± 28	25 ± 32	55 ± 87
CD58 + FXIIIA	5 ± 7	3 ± 7	3 ± 7	32 ± 80	40 ± 79
CD58 + HLA-DR	197 ± 267	118 ± 198	115 ± 199	272 ± 400	403 ± 533
CD58 + IL-22R	35 ± 103	32 ± 104	32 ± 104	34 ± 103	35 ± 103
CD58 + IL-23R	18 ± 41	5 ± 13	5 ± 13	10 ± 15	30 ± 60
CD58 + Ki67	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD58 + PI	164 ± 265	90 ± 181	86 ± 183	253 ± 489	486 ± 769
CD58 + Podoplanin	21 ± 46	16 ± 47	16 ± 47	41 ± 63	39 ± 72
CD58 + SNA1	73 ± 122	28 ± 53	27 ± 53	55 ± 64	74 ± 105
CD58 + STAT3	20 ± 37	9 ± 24	9 ± 24	13 ± 24	12 ± 24
CD58 + TIA1	23 ± 40	14 ± 37	14 ± 37	26 ± 37	53 ± 81
CD58 + Vimentin	139 ± 231	77 ± 171	74 ± 171	245 ± 492	179 ± 266

Tabelle 717: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	5 ± 9	4 ± 9	4 ± 9	6 ± 11	8 ± 10
CD62E + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD62E + CCR6	1 ± 1	0 ± 0	0 ± 0	1 ± 1	1 ± 1
CD62E + CD11a	1 ± 2	0 ± 0	0 ± 0	2 ± 4	1 ± 5
CD62E + CD11b	2 ± 3	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD62E + CD120a	0 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD120b	0 ± 1	0 ± 0	0 ± 0	0 ± 1	2 ± 7
CD62E + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD15	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 2
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	3 ± 6	3 ± 6	3 ± 6	3 ± 6	12 ± 23
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD28	2 ± 2	0 ± 1	1 ± 1	1 ± 3	9 ± 24
CD62E + CD29	9 ± 18	7 ± 18	9 ± 17	10 ± 19	17 ± 27
CD62E + CD3	5 ± 8	2 ± 7	3 ± 7	4 ± 7	14 ± 31
CD62E + CD31	9 ± 17	7 ± 18	8 ± 17	10 ± 19	20 ± 31
CD62E + CD4	9 ± 16	7 ± 17	8 ± 16	8 ± 17	19 ± 33
CD62E + CD44	3 ± 6	2 ± 6	3 ± 6	3 ± 6	4 ± 6
CD62E + CD45	1 ± 2	0 ± 0	0 ± 0	1 ± 2	1 ± 3
CD62E + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD62E + CD45RO	1 ± 3	0 ± 0	0 ± 0	1 ± 1	1 ± 3
CD62E + CD52	3 ± 5	1 ± 3	1 ± 3	3 ± 8	12 ± 28
CD62E + CD54	10 ± 17	7 ± 18	9 ± 17	10 ± 19	20 ± 32
CD62E + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	5 ± 15	5 ± 15	5 ± 15	6 ± 15	13 ± 28
CD62E + CD62P	9 ± 18	7 ± 18	8 ± 18	10 ± 19	19 ± 28
CD62E + CD68	4 ± 14	4 ± 14	5 ± 14	5 ± 14	11 ± 18
CD62E + CD7	1 ± 2	0 ± 0	0 ± 0	1 ± 5	2 ± 5
CD62E + CD8a	0 ± 1	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD62E + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	0 ± 0	0 ± 0	1 ± 2	0 ± 1	0 ± 0
CD62E + Collagen IV	3 ± 6	2 ± 5	3 ± 5	4 ± 7	12 ± 24
CD62E + FXIIIA	0 ± 0	0 ± 0	0 ± 2	0 ± 0	1 ± 2
CD62E + HLA-DR	10 ± 17	7 ± 18	8 ± 17	9 ± 18	15 ± 24
CD62E + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + IL-23R	1 ± 3	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	7 ± 10	5 ± 10	5 ± 10	6 ± 10	14 ± 27
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	8 ± 16	7 ± 17	8 ± 16	8 ± 16	13 ± 20
CD62E + STAT3	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD62E + TIA1	1 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD62E + Vimentin	7 ± 14	6 ± 14	7 ± 14	7 ± 14	12 ± 21

Tabelle 718: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	6 ± 11	5 ± 11	5 ± 11	7 ± 12	11 ± 12
CD62P + BCL2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CCR6	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD11a	0 ± 1	0 ± 0	0 ± 0	1 ± 3	0 ± 0
CD62P + CD11b	2 ± 3	0 ± 1	0 ± 1	0 ± 1	2 ± 3
CD62P + CD120a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 4
CD62P + CD138	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD15	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	4 ± 8	3 ± 8	3 ± 8	3 ± 8	12 ± 20
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD28	1 ± 2	1 ± 2	1 ± 2	2 ± 3	8 ± 21
CD62P + CD29	11 ± 21	10 ± 21	11 ± 21	12 ± 22	21 ± 28
CD62P + CD3	5 ± 10	3 ± 9	4 ± 10	4 ± 9	14 ± 27
CD62P + CD31	11 ± 21	10 ± 21	10 ± 21	12 ± 22	23 ± 30
CD62P + CD4	11 ± 20	9 ± 20	10 ± 20	10 ± 20	21 ± 30
CD62P + CD44	4 ± 8	3 ± 8	4 ± 9	4 ± 9	4 ± 8
CD62P + CD45	1 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD62P + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RO	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD62P + CD52	3 ± 6	2 ± 5	2 ± 5	4 ± 8	12 ± 23
CD62P + CD54	12 ± 21	10 ± 21	11 ± 21	12 ± 22	22 ± 30
CD62P + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	6 ± 17	5 ± 17	5 ± 17	6 ± 17	13 ± 28
CD62P + CD62E	9 ± 18	7 ± 18	8 ± 18	10 ± 19	19 ± 28
CD62P + CD68	5 ± 15	5 ± 15	6 ± 15	5 ± 15	12 ± 18
CD62P + CD7	0 ± 1	0 ± 0	0 ± 0	1 ± 4	1 ± 4
CD62P + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD62P + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CLA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	1 ± 2	1 ± 2	1 ± 3	1 ± 2	1 ± 2
CD62P + Collagen IV	4 ± 7	3 ± 7	4 ± 7	5 ± 8	14 ± 22
CD62P + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 3
CD62P + HLA-DR	11 ± 21	9 ± 21	10 ± 21	11 ± 21	16 ± 23
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	2 ± 3	0 ± 2	0 ± 2	0 ± 2	3 ± 8
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	8 ± 13	6 ± 14	7 ± 13	7 ± 13	16 ± 24
CD62P + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	10 ± 19	9 ± 19	10 ± 19	10 ± 19	16 ± 21
CD62P + STAT3	1 ± 2	0 ± 2	0 ± 2	0 ± 2	1 ± 2
CD62P + TIA1	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	8 ± 16	7 ± 16	8 ± 16	9 ± 16	13 ± 20

Tabelle 719: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	9 ± 14	5 ± 11	8 ± 12	16 ± 30	36 ± 79
CD68 + BCL2	51 ± 52	28 ± 51	48 ± 60	186 ± 330	154 ± 275
CD68 + CCR6	90 ± 167	55 ± 164	72 ± 160	265 ± 420	154 ± 245
CD68 + CD11a	217 ± 391	153 ± 402	190 ± 392	433 ± 622	286 ± 455
CD68 + CD11b	139 ± 334	127 ± 338	128 ± 338	154 ± 330	328 ± 494
CD68 + CD120a	14 ± 46	14 ± 46	15 ± 46	15 ± 46	16 ± 46
CD68 + CD120b	38 ± 63	18 ± 56	20 ± 56	33 ± 58	115 ± 208
CD68 + CD138	13 ± 26	9 ± 25	9 ± 25	15 ± 26	9 ± 25
CD68 + CD15	2 ± 3	1 ± 3	2 ± 3	7 ± 13	1 ± 3
CD68 + CD1a	14 ± 37	13 ± 38	13 ± 38	14 ± 38	15 ± 37
CD68 + CD2	226 ± 400	168 ± 414	204 ± 402	439 ± 601	404 ± 569
CD68 + CD207	36 ± 83	34 ± 83	34 ± 83	41 ± 82	38 ± 82
CD68 + CD24	2 ± 2	1 ± 2	1 ± 2	3 ± 4	2 ± 2
CD68 + CD28	163 ± 305	107 ± 310	129 ± 305	273 ± 397	303 ± 472
CD68 + CD29	64 ± 73	38 ± 70	47 ± 66	99 ± 154	77 ± 86
CD68 + CD3	240 ± 418	162 ± 424	203 ± 413	453 ± 621	400 ± 589
CD68 + CD31	9 ± 18	9 ± 18	12 ± 18	18 ± 21	50 ± 83
CD68 + CD4	245 ± 425	168 ± 433	206 ± 422	439 ± 617	419 ± 605
CD68 + CD44	216 ± 324	154 ± 335	194 ± 322	377 ± 457	286 ± 391
CD68 + CD45	197 ± 331	134 ± 340	169 ± 330	412 ± 583	273 ± 406
CD68 + CD45RA	59 ± 98	34 ± 95	43 ± 93	113 ± 177	75 ± 115
CD68 + CD45RO	138 ± 276	93 ± 280	118 ± 275	326 ± 482	270 ± 439
CD68 + CD52	155 ± 335	120 ± 344	144 ± 339	376 ± 556	285 ± 453
CD68 + CD54	202 ± 351	126 ± 352	148 ± 346	374 ± 554	294 ± 451
CD68 + CD56	10 ± 18	3 ± 5	3 ± 4	24 ± 55	5 ± 8
CD68 + CD58	56 ± 106	48 ± 108	49 ± 108	115 ± 198	152 ± 227
CD68 + CD62E	4 ± 14	4 ± 14	5 ± 14	5 ± 14	11 ± 18
CD68 + CD62P	5 ± 15	5 ± 15	6 ± 15	5 ± 15	12 ± 18
CD68 + CD7	128 ± 255	91 ± 261	122 ± 255	268 ± 391	188 ± 302
CD68 + CD8a	52 ± 123	43 ± 125	52 ± 124	98 ± 154	112 ± 179
CD68 + CK14	33 ± 82	31 ± 83	32 ± 83	33 ± 82	31 ± 83
CD68 + CLA	69 ± 115	57 ± 119	71 ± 114	130 ± 162	80 ± 119
CD68 + c-myc	20 ± 49	19 ± 50	19 ± 49	32 ± 66	19 ± 50
CD68 + Collagen IV	17 ± 31	15 ± 32	19 ± 30	36 ± 45	44 ± 48
CD68 + FXIIIA	34 ± 35	22 ± 33	26 ± 32	125 ± 194	141 ± 251
CD68 + HLA-DR	235 ± 343	167 ± 353	199 ± 340	340 ± 417	311 ± 412
CD68 + IL-22R	19 ± 60	19 ± 60	19 ± 60	19 ± 60	20 ± 60
CD68 + IL-23R	14 ± 27	6 ± 12	6 ± 11	13 ± 13	37 ± 70
CD68 + Ki67	1 ± 3	1 ± 3	1 ± 3	4 ± 8	1 ± 3
CD68 + PI	187 ± 320	143 ± 332	171 ± 322	323 ± 427	328 ± 451
CD68 + Podoplanin	24 ± 53	19 ± 53	20 ± 53	34 ± 60	31 ± 63
CD68 + SNA1	91 ± 104	49 ± 86	64 ± 81	79 ± 77	87 ± 93
CD68 + STAT3	7 ± 10	5 ± 8	4 ± 8	19 ± 31	6 ± 9
CD68 + TIA1	27 ± 56	19 ± 58	22 ± 57	33 ± 63	36 ± 63
CD68 + Vimentin	244 ± 410	173 ± 417	205 ± 406	385 ± 524	291 ± 443

Tabelle 720: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	5 ± 6	3 ± 5	3 ± 5	12 ± 30	9 ± 11
CD7 + BCL2	138 ± 130	65 ± 130	139 ± 188	452 ± 716	429 ± 735
CD7 + CCR6	249 ± 276	121 ± 263	194 ± 256	835 ± 1153	471 ± 671
CD7 + CD11a	621 ± 675	367 ± 718	534 ± 688	1689 ± 2490	1036 ± 1157
CD7 + CD11b	173 ± 339	151 ± 348	156 ± 346	237 ± 352	451 ± 510
CD7 + CD120a	6 ± 12	3 ± 9	4 ± 9	5 ± 9	11 ± 20
CD7 + CD120b	117 ± 178	49 ± 144	71 ± 144	181 ± 245	507 ± 987
CD7 + CD138	13 ± 26	1 ± 2	2 ± 2	4 ± 8	2 ± 2
CD7 + CD15	2 ± 2	1 ± 2	1 ± 2	8 ± 15	2 ± 2
CD7 + CD1a	20 ± 32	8 ± 15	8 ± 15	16 ± 25	53 ± 88
CD7 + CD2	609 ± 678	373 ± 728	532 ± 697	1501 ± 1907	1073 ± 1187
CD7 + CD207	36 ± 47	23 ± 47	29 ± 45	73 ± 125	96 ± 121
CD7 + CD24	5 ± 6	3 ± 4	5 ± 8	15 ± 26	4 ± 4
CD7 + CD28	545 ± 608	308 ± 638	435 ± 623	1402 ± 2050	977 ± 1182
CD7 + CD29	97 ± 92	39 ± 67	48 ± 63	179 ± 356	95 ± 84
CD7 + CD3	651 ± 708	384 ± 749	559 ± 717	1736 ± 2450	1098 ± 1207
CD7 + CD31	6 ± 11	4 ± 10	5 ± 10	14 ± 20	22 ± 33
CD7 + CD4	619 ± 685	364 ± 721	515 ± 689	1517 ± 1972	1067 ± 1209
CD7 + CD44	561 ± 569	331 ± 616	502 ± 590	1552 ± 2315	850 ± 844
CD7 + CD45	595 ± 635	348 ± 680	513 ± 649	1663 ± 2407	1013 ± 1127
CD7 + CD45RA	160 ± 177	90 ± 184	114 ± 177	337 ± 430	249 ± 274
CD7 + CD45RO	398 ± 485	207 ± 495	333 ± 497	1266 ± 2020	817 ± 1179
CD7 + CD52	482 ± 605	303 ± 655	443 ± 638	1483 ± 2371	936 ± 1113
CD7 + CD54	508 ± 567	287 ± 588	368 ± 566	1340 ± 2106	793 ± 868
CD7 + CD56	13 ± 17	3 ± 6	7 ± 8	16 ± 27	9 ± 9
CD7 + CD58	119 ± 189	74 ± 168	72 ± 168	312 ± 644	442 ± 712
CD7 + CD62E	1 ± 2	0 ± 0	0 ± 0	1 ± 5	2 ± 5
CD7 + CD62P	0 ± 1	0 ± 0	0 ± 0	1 ± 4	1 ± 4
CD7 + CD68	128 ± 255	91 ± 261	122 ± 255	268 ± 391	188 ± 302
CD7 + CD8a	234 ± 305	169 ± 330	223 ± 316	621 ± 818	528 ± 645
CD7 + CK14	30 ± 42	14 ± 31	14 ± 31	20 ± 32	15 ± 31
CD7 + CLA	157 ± 157	107 ± 174	154 ± 166	447 ± 691	264 ± 222
CD7 + c-myc	9 ± 12	4 ± 8	6 ± 9	16 ± 38	4 ± 8
CD7 + Collagen IV	30 ± 41	17 ± 38	24 ± 37	106 ± 221	51 ± 60
CD7 + FXIIIA	15 ± 12	7 ± 11	15 ± 15	69 ± 115	59 ± 88
CD7 + HLA-DR	503 ± 494	284 ± 518	410 ± 494	1210 ± 1934	708 ± 705
CD7 + IL-22R	5 ± 9	3 ± 8	4 ± 8	5 ± 9	8 ± 10
CD7 + IL-23R	8 ± 17	1 ± 2	1 ± 2	7 ± 13	17 ± 33
CD7 + Ki67	1 ± 3	1 ± 3	1 ± 3	2 ± 5	1 ± 3
CD7 + PI	508 ± 579	324 ± 633	457 ± 597	1273 ± 1930	904 ± 979
CD7 + Podoplanin	48 ± 87	23 ± 70	26 ± 69	88 ± 123	43 ± 85
CD7 + SNA1	166 ± 177	62 ± 112	109 ± 115	145 ± 118	109 ± 104
CD7 + STAT3	10 ± 16	2 ± 5	3 ± 5	9 ± 16	3 ± 5
CD7 + TIA1	85 ± 116	54 ± 123	66 ± 119	142 ± 204	131 ± 151
CD7 + Vimentin	354 ± 444	187 ± 440	286 ± 431	801 ± 1044	367 ± 467

Tabelle 721: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	5 ± 14	1 ± 4	0 ± 0	2 ± 7	5 ± 10
CD8a + BCL2	65 ± 63	38 ± 66	65 ± 75	183 ± 262	288 ± 533
CD8a + CCR6	112 ± 136	68 ± 138	90 ± 132	336 ± 405	278 ± 426
CD8a + CD11a	300 ± 349	210 ± 378	265 ± 361	685 ± 878	600 ± 675
CD8a + CD11b	95 ± 170	87 ± 174	81 ± 176	125 ± 181	287 ± 362
CD8a + CD120a	2 ± 5	0 ± 1	0 ± 1	1 ± 2	6 ± 14
CD8a + CD120b	48 ± 89	29 ± 85	33 ± 85	77 ± 103	293 ± 581
CD8a + CD138	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD8a + CD15	1 ± 2	0 ± 1	0 ± 1	2 ± 3	1 ± 2
CD8a + CD1a	7 ± 11	7 ± 12	5 ± 11	10 ± 14	20 ± 28
CD8a + CD2	302 ± 359	213 ± 388	270 ± 371	655 ± 748	636 ± 729
CD8a + CD207	10 ± 15	9 ± 15	11 ± 15	24 ± 31	33 ± 46
CD8a + CD24	3 ± 4	2 ± 4	4 ± 6	10 ± 16	2 ± 4
CD8a + CD28	252 ± 313	164 ± 334	202 ± 323	555 ± 743	554 ± 713
CD8a + CD29	43 ± 41	25 ± 39	25 ± 38	76 ± 125	53 ± 48
CD8a + CD3	311 ± 361	217 ± 390	274 ± 372	706 ± 864	643 ± 730
CD8a + CD31	4 ± 10	1 ± 1	1 ± 2	2 ± 2	10 ± 17
CD8a + CD4	280 ± 340	195 ± 366	238 ± 351	578 ± 630	608 ± 729
CD8a + CD44	262 ± 274	190 ± 305	242 ± 289	641 ± 822	457 ± 406
CD8a + CD45	291 ± 337	202 ± 365	257 ± 349	681 ± 863	597 ± 676
CD8a + CD45RA	97 ± 98	63 ± 110	69 ± 108	156 ± 156	189 ± 212
CD8a + CD45RO	164 ± 246	105 ± 259	142 ± 254	485 ± 735	465 ± 723
CD8a + CD52	258 ± 338	175 ± 361	225 ± 349	616 ± 862	568 ± 706
CD8a + CD54	240 ± 272	163 ± 295	182 ± 288	517 ± 705	452 ± 493
CD8a + CD56	6 ± 9	3 ± 5	3 ± 5	5 ± 7	7 ± 7
CD8a + CD58	61 ± 103	46 ± 97	41 ± 98	127 ± 221	259 ± 440
CD8a + CD62E	0 ± 1	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD8a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD8a + CD68	52 ± 123	43 ± 125	52 ± 124	98 ± 154	112 ± 179
CD8a + CD7	234 ± 305	169 ± 330	223 ± 316	621 ± 818	528 ± 645
CD8a + CK14	9 ± 20	8 ± 20	8 ± 20	8 ± 20	9 ± 20
CD8a + CLA	103 ± 113	82 ± 120	103 ± 114	226 ± 254	167 ± 124
CD8a + c-myc	3 ± 9	3 ± 9	3 ± 9	4 ± 10	3 ± 9
CD8a + Collagen IV	12 ± 18	9 ± 13	10 ± 13	35 ± 67	31 ± 53
CD8a + FXIIIA	6 ± 9	5 ± 6	5 ± 7	19 ± 32	40 ± 75
CD8a + HLA-DR	230 ± 235	168 ± 261	202 ± 248	506 ± 694	403 ± 347
CD8a + IL-22R	2 ± 5	2 ± 5	2 ± 5	4 ± 5	5 ± 7
CD8a + IL-23R	3 ± 10	1 ± 2	0 ± 0	1 ± 2	9 ± 20
CD8a + Ki67	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + PI	265 ± 312	191 ± 340	235 ± 324	563 ± 743	530 ± 574
CD8a + Podoplanin	12 ± 22	9 ± 21	10 ± 21	26 ± 30	16 ± 29
CD8a + SNA1	60 ± 50	31 ± 45	43 ± 46	61 ± 57	53 ± 41
CD8a + STAT3	2 ± 3	1 ± 3	1 ± 3	3 ± 4	1 ± 2
CD8a + TIA1	69 ± 92	44 ± 97	50 ± 94	108 ± 139	120 ± 133
CD8a + Vimentin	143 ± 214	102 ± 222	128 ± 217	313 ± 378	184 ± 224

Tabelle 722: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CK14 + BCL2	53 ± 159	49 ± 160	49 ± 160	51 ± 159	49 ± 160
CK14 + CCR6	10 ± 18	3 ± 8	3 ± 8	6 ± 9	4 ± 8
CK14 + CD11a	72 ± 138	49 ± 138	50 ± 138	56 ± 137	51 ± 138
CK14 + CD11b	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CK14 + CD120a	21 ± 71	21 ± 71	22 ± 71	22 ± 71	21 ± 71
CK14 + CD120b	5 ± 8	2 ± 4	2 ± 4	3 ± 5	2 ± 4
CK14 + CD138	79 ± 162	51 ± 160	52 ± 159	52 ± 159	51 ± 160
CK14 + CD15	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
CK14 + CD1a	30 ± 74	23 ± 74	24 ± 74	24 ± 74	23 ± 74
CK14 + CD2	73 ± 134	50 ± 134	50 ± 134	54 ± 132	51 ± 133
CK14 + CD207	78 ± 245	75 ± 246	75 ± 246	76 ± 246	75 ± 246
CK14 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD28	38 ± 58	13 ± 34	14 ± 34	16 ± 34	15 ± 34
CK14 + CD29	44 ± 77	30 ± 76	31 ± 75	33 ± 75	30 ± 75
CK14 + CD3	63 ± 98	36 ± 91	37 ± 91	43 ± 89	38 ± 90
CK14 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD4	50 ± 72	25 ± 61	26 ± 60	29 ± 59	27 ± 60
CK14 + CD44	139 ± 355	115 ± 359	116 ± 359	122 ± 357	117 ± 359
CK14 + CD45	57 ± 96	34 ± 92	35 ± 91	37 ± 91	35 ± 91
CK14 + CD45RA	2 ± 2	1 ± 1	1 ± 1	1 ± 2	1 ± 1
CK14 + CD45RO	29 ± 44	9 ± 23	10 ± 22	12 ± 23	10 ± 22
CK14 + CD52	6 ± 11	2 ± 7	2 ± 7	4 ± 9	3 ± 7
CK14 + CD54	23 ± 41	7 ± 23	7 ± 23	8 ± 23	8 ± 23
CK14 + CD56	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CK14 + CD58	64 ± 134	43 ± 128	45 ± 128	43 ± 128	43 ± 128
CK14 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD68	33 ± 82	31 ± 83	32 ± 83	33 ± 82	31 ± 83
CK14 + CD7	30 ± 42	14 ± 31	14 ± 31	20 ± 32	15 ± 31
CK14 + CD8a	9 ± 20	8 ± 20	8 ± 20	8 ± 20	9 ± 20
CK14 + CLA	49 ± 141	46 ± 142	46 ± 142	48 ± 141	46 ± 142
CK14 + c-myc	70 ± 214	65 ± 215	66 ± 215	69 ± 214	66 ± 215
CK14 + Collagen IV	3 ± 5	1 ± 1	1 ± 1	4 ± 8	1 ± 2
CK14 + FXIIIA	1 ± 2	0 ± 1	0 ± 1	1 ± 2	1 ± 1
CK14 + HLA-DR	128 ± 311	104 ± 315	105 ± 314	110 ± 313	105 ± 314
CK14 + IL-22R	79 ± 244	76 ± 245	76 ± 245	76 ± 245	76 ± 245
CK14 + IL-23R	8 ± 15	4 ± 14	4 ± 14	5 ± 14	5 ± 14
CK14 + Ki67	4 ± 10	4 ± 10	4 ± 10	4 ± 10	4 ± 10
CK14 + PI	62 ± 145	49 ± 147	49 ± 147	53 ± 146	49 ± 147
CK14 + Podoplanin	4 ± 6	2 ± 5	2 ± 5	3 ± 5	2 ± 5
CK14 + SNA1	21 ± 36	4 ± 11	5 ± 11	8 ± 11	5 ± 10
CK14 + STAT3	21 ± 40	11 ± 34	11 ± 33	12 ± 33	11 ± 34
CK14 + TIA1	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + Vimentin	59 ± 115	44 ± 116	45 ± 116	48 ± 115	45 ± 116

Tabelle 723: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	1 ± 2	1 ± 2	0 ± 1	3 ± 10	2 ± 4
CLA + BCL2	82 ± 71	53 ± 76	78 ± 81	181 ± 263	131 ± 149
CLA + CCR6	114 ± 119	64 ± 107	90 ± 103	274 ± 329	157 ± 137
CLA + CD11a	273 ± 232	196 ± 271	251 ± 248	573 ± 759	382 ± 280
CLA + CD11b	83 ± 118	76 ± 120	76 ± 120	121 ± 129	165 ± 124
CLA + CD120a	11 ± 35	11 ± 35	11 ± 35	11 ± 35	12 ± 35
CLA + CD120b	38 ± 56	18 ± 48	26 ± 48	67 ± 113	112 ± 209
CLA + CD138	12 ± 31	10 ± 31	10 ± 31	11 ± 31	10 ± 31
CLA + CD15	3 ± 5	1 ± 2	1 ± 1	4 ± 8	1 ± 2
CLA + CD1a	11 ± 22	9 ± 22	9 ± 22	18 ± 27	41 ± 70
CLA + CD2	277 ± 240	204 ± 278	260 ± 253	543 ± 583	412 ± 286
CLA + CD207	35 ± 79	30 ± 81	36 ± 79	72 ± 114	82 ± 102
CLA + CD24	3 ± 3	2 ± 2	3 ± 4	8 ± 16	2 ± 2
CLA + CD28	186 ± 176	118 ± 198	161 ± 188	410 ± 609	294 ± 275
CLA + CD29	53 ± 47	30 ± 48	33 ± 47	85 ± 149	63 ± 67
CLA + CD3	279 ± 232	196 ± 271	254 ± 248	594 ± 745	407 ± 294
CLA + CD31	1 ± 3	1 ± 3	1 ± 3	2 ± 3	9 ± 16
CLA + CD4	255 ± 228	180 ± 263	232 ± 243	517 ± 602	385 ± 300
CLA + CD44	271 ± 231	203 ± 268	260 ± 243	578 ± 737	382 ± 249
CLA + CD45	237 ± 201	165 ± 233	220 ± 213	541 ± 744	350 ± 251
CLA + CD45RA	70 ± 56	42 ± 65	49 ± 62	146 ± 195	95 ± 72
CLA + CD45RO	138 ± 171	84 ± 181	129 ± 179	391 ± 663	235 ± 286
CLA + CD52	184 ± 206	122 ± 223	169 ± 215	480 ± 779	289 ± 252
CLA + CD54	182 ± 170	111 ± 184	140 ± 176	413 ± 709	257 ± 202
CLA + CD56	6 ± 7	2 ± 6	4 ± 6	10 ± 22	4 ± 8
CLA + CD58	47 ± 70	41 ± 73	39 ± 74	75 ± 101	122 ± 158
CLA + CD62E	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	69 ± 115	57 ± 119	71 ± 114	130 ± 162	80 ± 119
CLA + CD7	157 ± 157	107 ± 174	154 ± 166	447 ± 691	264 ± 222
CLA + CD8a	103 ± 113	82 ± 120	103 ± 114	226 ± 254	167 ± 124
CLA + CK14	49 ± 141	46 ± 142	46 ± 142	48 ± 141	46 ± 142
CLA + c-myc	15 ± 40	13 ± 41	12 ± 41	18 ± 43	12 ± 41
CLA + Collagen IV	10 ± 13	6 ± 13	9 ± 13	28 ± 53	25 ± 44
CLA + FXIIIA	8 ± 8	6 ± 8	10 ± 12	32 ± 56	18 ± 22
CLA + HLA-DR	247 ± 213	186 ± 248	230 ± 226	481 ± 646	337 ± 228
CLA + IL-22R	21 ± 65	21 ± 65	21 ± 65	21 ± 65	22 ± 65
CLA + IL-23R	4 ± 5	2 ± 3	2 ± 3	3 ± 4	6 ± 13
CLA + Ki67	3 ± 4	2 ± 4	2 ± 4	4 ± 6	3 ± 4
CLA + PI	230 ± 197	168 ± 229	210 ± 209	470 ± 597	342 ± 242
CLA + Podoplanin	22 ± 35	12 ± 25	12 ± 26	39 ± 79	16 ± 28
CLA + SNA1	64 ± 53	35 ± 49	56 ± 51	60 ± 52	51 ± 45
CLA + STAT3	3 ± 4	2 ± 4	2 ± 4	6 ± 10	2 ± 4
CLA + TIA1	32 ± 44	22 ± 47	24 ± 46	62 ± 84	51 ± 50
CLA + Vimentin	171 ± 191	120 ± 207	159 ± 196	306 ± 344	193 ± 199

Tabelle 724: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	7 ± 9	2 ± 4	3 ± 5	12 ± 32	2 ± 4
c-myc + BCL2	47 ± 140	43 ± 141	45 ± 140	49 ± 140	46 ± 140
c-myc + CCR6	6 ± 12	1 ± 2	1 ± 2	20 ± 61	2 ± 2
c-myc + CD11a	25 ± 45	15 ± 43	16 ± 43	37 ± 78	17 ± 43
c-myc + CD11b	7 ± 13	6 ± 14	6 ± 14	6 ± 14	8 ± 14
c-myc + CD120a	11 ± 35	11 ± 35	11 ± 35	11 ± 35	11 ± 35
c-myc + CD120b	3 ± 7	0 ± 1	1 ± 3	1 ± 1	1 ± 2
c-myc + CD138	44 ± 131	41 ± 132	41 ± 132	45 ± 132	40 ± 132
c-myc + CD15	2 ± 4	1 ± 4	1 ± 4	5 ± 14	1 ± 4
c-myc + CD1a	16 ± 53	16 ± 53	16 ± 53	16 ± 53	16 ± 53
c-myc + CD2	23 ± 43	14 ± 43	15 ± 42	23 ± 47	18 ± 42
c-myc + CD207	44 ± 146	44 ± 146	44 ± 146	45 ± 146	44 ± 146
c-myc + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
c-myc + CD28	13 ± 20	5 ± 13	7 ± 13	14 ± 26	8 ± 13
c-myc + CD29	35 ± 74	27 ± 75	28 ± 75	43 ± 90	26 ± 75
c-myc + CD3	22 ± 32	11 ± 26	14 ± 25	29 ± 60	13 ± 25
c-myc + CD31	4 ± 8	3 ± 7	4 ± 7	3 ± 7	3 ± 7
c-myc + CD4	22 ± 30	10 ± 24	14 ± 24	16 ± 27	13 ± 24
c-myc + CD44	73 ± 203	65 ± 205	67 ± 204	82 ± 207	65 ± 205
c-myc + CD45	21 ± 35	12 ± 34	14 ± 34	28 ± 59	13 ± 34
c-myc + CD45RA	4 ± 5	2 ± 4	2 ± 4	10 ± 28	2 ± 4
c-myc + CD45RO	9 ± 14	2 ± 3	4 ± 7	23 ± 69	4 ± 6
c-myc + CD52	5 ± 8	3 ± 6	2 ± 5	24 ± 73	3 ± 6
c-myc + CD54	14 ± 19	8 ± 16	10 ± 16	20 ± 40	9 ± 16
c-myc + CD56	4 ± 9	2 ± 4	1 ± 2	18 ± 57	1 ± 2
c-myc + CD58	37 ± 105	34 ± 106	35 ± 105	38 ± 105	36 ± 105
c-myc + CD62E	0 ± 0	0 ± 0	1 ± 2	0 ± 1	0 ± 0
c-myc + CD62P	1 ± 2	1 ± 2	1 ± 3	1 ± 2	1 ± 2
c-myc + CD68	20 ± 49	19 ± 50	19 ± 49	32 ± 66	19 ± 50
c-myc + CD7	9 ± 12	4 ± 8	6 ± 9	16 ± 38	4 ± 8
c-myc + CD8a	3 ± 9	3 ± 9	3 ± 9	4 ± 10	3 ± 9
c-myc + CK14	70 ± 214	65 ± 215	66 ± 215	69 ± 214	66 ± 215
c-myc + CLA	15 ± 40	13 ± 41	12 ± 41	18 ± 43	12 ± 41
c-myc + Collagen IV	12 ± 19	7 ± 15	9 ± 14	10 ± 16	7 ± 15
c-myc + FXIIIA	5 ± 8	4 ± 8	3 ± 5	17 ± 50	4 ± 8
c-myc + HLA-DR	67 ± 178	59 ± 180	61 ± 179	76 ± 184	59 ± 180
c-myc + IL-22R	52 ± 171	52 ± 171	52 ± 171	52 ± 171	52 ± 171
c-myc + IL-23R	7 ± 14	6 ± 13	5 ± 13	5 ± 13	5 ± 13
c-myc + Ki67	1 ± 3	1 ± 2	1 ± 2	2 ± 4	1 ± 2
c-myc + PI	26 ± 54	18 ± 54	19 ± 54	35 ± 75	20 ± 53
c-myc + Podoplanin	4 ± 5	2 ± 4	2 ± 4	13 ± 38	2 ± 4
c-myc + SNA1	18 ± 25	10 ± 20	13 ± 20	12 ± 21	9 ± 20
c-myc + STAT3	15 ± 35	12 ± 35	11 ± 35	22 ± 48	11 ± 35
c-myc + TIA1	3 ± 4	1 ± 3	1 ± 3	7 ± 18	1 ± 3
c-myc + Vimentin	25 ± 45	18 ± 45	20 ± 45	26 ± 51	18 ± 45

Tabelle 725: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	24 ± 55	7 ± 11	8 ± 11	17 ± 26	44 ± 71
Collagen IV + BCL2	10 ± 20	2 ± 5	5 ± 5	22 ± 42	29 ± 46
Collagen IV + CCR6	15 ± 24	8 ± 19	12 ± 19	55 ± 87	39 ± 89
Collagen IV + CD11a	63 ± 94	30 ± 61	38 ± 59	134 ± 259	86 ± 107
Collagen IV + CD11b	17 ± 28	17 ± 28	16 ± 29	24 ± 27	44 ± 51
Collagen IV + CD120a	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Collagen IV + CD120b	10 ± 22	2 ± 6	3 ± 6	10 ± 15	28 ± 45
Collagen IV + CD138	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Collagen IV + CD15	1 ± 2	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Collagen IV + CD1a	0 ± 0	1 ± 2	0 ± 0	1 ± 2	1 ± 2
Collagen IV + CD2	65 ± 93	31 ± 59	39 ± 56	106 ± 155	139 ± 169
Collagen IV + CD207	1 ± 2	1 ± 2	1 ± 2	6 ± 17	2 ± 4
Collagen IV + CD24	1 ± 1	0 ± 1	0 ± 1	2 ± 4	1 ± 1
Collagen IV + CD28	64 ± 106	25 ± 53	30 ± 51	108 ± 193	104 ± 113
Collagen IV + CD29	55 ± 79	25 ± 34	29 ± 32	65 ± 103	85 ± 78
Collagen IV + CD3	87 ± 133	40 ± 75	51 ± 71	157 ± 271	139 ± 168
Collagen IV + CD31	26 ± 54	9 ± 15	11 ± 15	19 ± 26	61 ± 82
Collagen IV + CD4	89 ± 132	44 ± 80	54 ± 75	123 ± 172	155 ± 172
Collagen IV + CD44	60 ± 65	40 ± 63	51 ± 59	148 ± 272	110 ± 149
Collagen IV + CD45	55 ± 77	25 ± 48	33 ± 47	124 ± 232	91 ± 111
Collagen IV + CD45RA	11 ± 20	9 ± 20	9 ± 20	22 ± 35	20 ± 32
Collagen IV + CD45RO	31 ± 50	13 ± 36	18 ± 35	88 ± 179	50 ± 62
Collagen IV + CD52	54 ± 88	23 ± 52	27 ± 51	128 ± 281	106 ± 129
Collagen IV + CD54	63 ± 75	38 ± 59	43 ± 56	130 ± 241	109 ± 124
Collagen IV + CD56	5 ± 8	2 ± 5	2 ± 5	3 ± 5	4 ± 8
Collagen IV + CD58	32 ± 68	12 ± 28	11 ± 28	25 ± 32	55 ± 87
Collagen IV + CD62E	3 ± 6	2 ± 5	3 ± 5	4 ± 7	12 ± 24
Collagen IV + CD62P	4 ± 7	3 ± 7	4 ± 7	5 ± 8	14 ± 22
Collagen IV + CD68	17 ± 31	15 ± 32	19 ± 30	36 ± 45	44 ± 48
Collagen IV + CD7	30 ± 41	17 ± 38	24 ± 37	106 ± 221	51 ± 60
Collagen IV + CD8a	12 ± 18	9 ± 13	10 ± 13	35 ± 67	31 ± 53
Collagen IV + CK14	3 ± 5	1 ± 1	1 ± 1	4 ± 8	1 ± 2
Collagen IV + CLA	10 ± 13	6 ± 13	9 ± 13	28 ± 53	25 ± 44
Collagen IV + c-myc	12 ± 19	7 ± 15	9 ± 14	10 ± 16	7 ± 15
Collagen IV + FXIIIA	2 ± 4	2 ± 4	2 ± 4	5 ± 7	6 ± 7
Collagen IV + HLA-DR	68 ± 77	43 ± 68	49 ± 65	133 ± 240	113 ± 129
Collagen IV + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + IL-23R	7 ± 18	1 ± 3	1 ± 3	2 ± 4	11 ± 19
Collagen IV + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + PI	66 ± 84	37 ± 55	43 ± 51	109 ± 189	126 ± 129
Collagen IV + Podoplanin	16 ± 34	12 ± 33	12 ± 33	27 ± 48	12 ± 33
Collagen IV + SNA1	67 ± 93	32 ± 46	39 ± 41	62 ± 65	73 ± 55
Collagen IV + STAT3	2 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 4
Collagen IV + TIA1	6 ± 10	4 ± 9	4 ± 9	7 ± 11	11 ± 20
Collagen IV + Vimentin	50 ± 75	28 ± 60	33 ± 58	79 ± 127	69 ± 98

Tabelle 726: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	5 ± 9	2 ± 3	2 ± 3	11 ± 30	2 ± 3
FXIIIA + BCL2	7 ± 8	5 ± 8	12 ± 16	61 ± 120	80 ± 153
FXIIIA + CCR6	19 ± 22	10 ± 14	15 ± 14	105 ± 177	71 ± 122
FXIIIA + CD11a	38 ± 32	24 ± 36	32 ± 34	138 ± 216	103 ± 137
FXIIIA + CD11b	33 ± 30	27 ± 34	27 ± 34	39 ± 31	161 ± 249
FXIIIA + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
FXIIIA + CD120b	6 ± 17	0 ± 1	1 ± 1	2 ± 3	42 ± 93
FXIIIA + CD138	3 ± 6	1 ± 3	1 ± 2	6 ± 15	1 ± 2
FXIIIA + CD15	2 ± 5	0 ± 0	1 ± 2	6 ± 17	0 ± 0
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
FXIIIA + CD2	37 ± 41	26 ± 44	35 ± 42	128 ± 190	167 ± 258
FXIIIA + CD207	0 ± 1	0 ± 1	0 ± 1	4 ± 11	3 ± 6
FXIIIA + CD24	1 ± 1	0 ± 1	1 ± 2	1 ± 2	0 ± 1
FXIIIA + CD28	25 ± 23	11 ± 19	18 ± 20	72 ± 114	115 ± 203
FXIIIA + CD29	12 ± 15	7 ± 9	9 ± 9	37 ± 80	18 ± 14
FXIIIA + CD3	46 ± 39	27 ± 37	38 ± 37	142 ± 201	184 ± 296
FXIIIA + CD31	1 ± 4	1 ± 4	2 ± 4	3 ± 7	6 ± 8
FXIIIA + CD4	50 ± 47	29 ± 47	38 ± 44	129 ± 192	180 ± 284
FXIIIA + CD44	44 ± 34	31 ± 36	40 ± 35	116 ± 149	111 ± 128
FXIIIA + CD45	38 ± 33	21 ± 33	31 ± 34	131 ± 205	101 ± 132
FXIIIA + CD45RA	15 ± 16	10 ± 16	11 ± 16	38 ± 57	34 ± 46
FXIIIA + CD45RO	24 ± 21	12 ± 19	21 ± 24	111 ± 186	126 ± 221
FXIIIA + CD52	28 ± 33	19 ± 36	25 ± 35	126 ± 206	111 ± 176
FXIIIA + CD54	38 ± 39	20 ± 36	29 ± 36	118 ± 187	116 ± 177
FXIIIA + CD56	7 ± 13	3 ± 6	3 ± 4	25 ± 58	5 ± 7
FXIIIA + CD58	5 ± 7	3 ± 7	3 ± 7	32 ± 80	40 ± 79
FXIIIA + CD62E	0 ± 0	0 ± 0	0 ± 2	0 ± 0	1 ± 2
FXIIIA + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 3
FXIIIA + CD68	34 ± 35	22 ± 33	26 ± 32	125 ± 194	141 ± 251
FXIIIA + CD7	15 ± 12	7 ± 11	15 ± 15	69 ± 115	59 ± 88
FXIIIA + CD8a	6 ± 9	5 ± 6	5 ± 7	19 ± 32	40 ± 75
FXIIIA + CK14	1 ± 2	0 ± 1	0 ± 1	1 ± 2	1 ± 1
FXIIIA + CLA	8 ± 8	6 ± 8	10 ± 12	32 ± 56	18 ± 22
FXIIIA + c-myc	5 ± 8	4 ± 8	3 ± 5	17 ± 50	4 ± 8
FXIIIA + Collagen IV	2 ± 4	2 ± 4	2 ± 4	5 ± 7	6 ± 7
FXIIIA + HLA-DR	49 ± 37	33 ± 39	41 ± 38	99 ± 128	118 ± 145
FXIIIA + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 1
FXIIIA + IL-23R	7 ± 18	3 ± 6	3 ± 5	4 ± 8	19 ± 40
FXIIIA + Ki67	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
FXIIIA + PI	42 ± 36	29 ± 39	37 ± 40	101 ± 136	148 ± 218
FXIIIA + Podoplanin	5 ± 8	3 ± 6	4 ± 6	19 ± 42	11 ± 25
FXIIIA + SNA1	25 ± 17	15 ± 16	20 ± 16	26 ± 15	35 ± 29
FXIIIA + STAT3	4 ± 6	2 ± 5	2 ± 4	16 ± 35	1 ± 3
FXIIIA + TIA1	5 ± 6	3 ± 4	4 ± 6	12 ± 27	8 ± 11
FXIIIA + Vimentin	41 ± 37	26 ± 35	31 ± 36	107 ± 155	103 ± 144

Tabelle 727: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	16 ± 16	11 ± 15	10 ± 15	25 ± 47	30 ± 38
HLA-DR + BCL2	193 ± 146	107 ± 159	169 ± 182	386 ± 524	356 ± 463
HLA-DR + CCR6	320 ± 308	158 ± 288	231 ± 272	757 ± 959	486 ± 512
HLA-DR + CD11a	925 ± 873	516 ± 822	670 ± 763	1628 ± 2303	1072 ± 954
HLA-DR + CD11b	286 ± 394	251 ± 413	249 ± 415	346 ± 394	572 ± 467
HLA-DR + CD120a	29 ± 75	23 ± 76	24 ± 75	25 ± 75	29 ± 75
HLA-DR + CD120b	138 ± 239	40 ± 106	60 ± 106	141 ± 196	357 ± 690
HLA-DR + CD138	62 ± 128	40 ± 126	41 ± 126	45 ± 125	41 ± 126
HLA-DR + CD15	7 ± 10	2 ± 4	2 ± 3	11 ± 18	3 ± 4
HLA-DR + CD1a	42 ± 71	29 ± 67	28 ± 67	36 ± 67	68 ± 97
HLA-DR + CD2	881 ± 820	523 ± 838	669 ± 778	1413 ± 1538	1206 ± 1042
HLA-DR + CD207	103 ± 226	91 ± 229	97 ± 227	143 ± 242	160 ± 231
HLA-DR + CD24	9 ± 8	6 ± 8	8 ± 9	20 ± 26	10 ± 7
HLA-DR + CD28	725 ± 754	362 ± 666	480 ± 634	1232 ± 1739	947 ± 1014
HLA-DR + CD29	189 ± 147	103 ± 141	114 ± 133	252 ± 387	190 ± 135
HLA-DR + CD3	1004 ± 987	544 ± 868	713 ± 801	1709 ± 2249	1265 ± 1109
HLA-DR + CD31	23 ± 26	15 ± 25	16 ± 25	23 ± 27	53 ± 58
HLA-DR + CD4	975 ± 983	539 ± 884	686 ± 822	1465 ± 1607	1245 ± 1125
HLA-DR + CD44	969 ± 781	601 ± 842	769 ± 761	1731 ± 2270	1207 ± 896
HLA-DR + CD45	843 ± 758	457 ± 735	612 ± 679	1545 ± 2169	1019 ± 875
HLA-DR + CD45RA	212 ± 202	115 ± 187	134 ± 179	311 ± 363	237 ± 194
HLA-DR + CD45RO	537 ± 625	240 ± 525	352 ± 510	1126 ± 1844	763 ± 1000
HLA-DR + CD52	640 ± 718	367 ± 733	489 ± 704	1396 ± 2320	920 ± 915
HLA-DR + CD54	769 ± 806	399 ± 694	474 ± 662	1304 ± 1959	899 ± 802
HLA-DR + CD56	23 ± 28	8 ± 14	10 ± 14	29 ± 52	17 ± 17
HLA-DR + CD58	197 ± 267	118 ± 198	115 ± 199	272 ± 400	403 ± 533
HLA-DR + CD62E	10 ± 17	7 ± 18	8 ± 17	9 ± 18	15 ± 24
HLA-DR + CD62P	11 ± 21	9 ± 21	10 ± 21	11 ± 21	16 ± 23
HLA-DR + CD68	235 ± 343	167 ± 353	199 ± 340	340 ± 417	311 ± 412
HLA-DR + CD7	503 ± 494	284 ± 518	410 ± 494	1210 ± 1934	708 ± 705
HLA-DR + CD8a	230 ± 235	168 ± 261	202 ± 248	506 ± 694	403 ± 347
HLA-DR + CK14	128 ± 311	104 ± 315	105 ± 314	110 ± 313	105 ± 314
HLA-DR + CLA	247 ± 213	186 ± 248	230 ± 226	481 ± 646	337 ± 228
HLA-DR + c-myc	67 ± 178	59 ± 180	61 ± 179	76 ± 184	59 ± 180
HLA-DR + Collagen IV	68 ± 77	43 ± 68	49 ± 65	133 ± 240	113 ± 129
HLA-DR + FXIIIA	49 ± 37	33 ± 39	41 ± 38	99 ± 128	118 ± 145
HLA-DR + IL-22R	67 ± 206	64 ± 207	65 ± 207	66 ± 207	67 ± 206
HLA-DR + IL-23R	27 ± 57	7 ± 15	7 ± 15	14 ± 17	32 ± 52
HLA-DR + Ki67	6 ± 11	5 ± 11	5 ± 11	7 ± 11	6 ± 11
HLA-DR + PI	818 ± 733	498 ± 767	617 ± 708	1350 ± 1873	1065 ± 887
HLA-DR + Podoplanin	80 ± 125	49 ± 114	51 ± 113	121 ± 166	72 ± 119
HLA-DR + SNA1	292 ± 322	118 ± 162	163 ± 147	197 ± 146	186 ± 147
HLA-DR + STAT3	23 ± 35	11 ± 28	12 ± 28	22 ± 37	12 ± 28
HLA-DR + TIA1	83 ± 94	46 ± 94	54 ± 91	121 ± 181	99 ± 101
HLA-DR + Vimentin	608 ± 668	326 ± 582	426 ± 548	858 ± 960	588 ± 598

Tabelle 728: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + BCL2	37 ± 119	37 ± 119	37 ± 119	37 ± 119	39 ± 119
IL-22R + CCR6	1 ± 2	1 ± 2	1 ± 2	3 ± 5	3 ± 6
IL-22R + CD11a	25 ± 66	22 ± 67	22 ± 67	24 ± 66	26 ± 66
IL-22R + CD11b	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 5
IL-22R + CD120a	17 ± 57	17 ± 57	17 ± 57	17 ± 57	17 ± 57
IL-22R + CD120b	1 ± 2	1 ± 2	1 ± 2	1 ± 2	4 ± 8
IL-22R + CD138	41 ± 124	39 ± 125	38 ± 125	39 ± 125	38 ± 125
IL-22R + CD15	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + CD1a	22 ± 66	20 ± 66	20 ± 66	20 ± 66	20 ± 66
IL-22R + CD2	25 ± 65	22 ± 66	22 ± 66	24 ± 65	26 ± 65
IL-22R + CD207	59 ± 190	58 ± 190	58 ± 190	58 ± 190	58 ± 190
IL-22R + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD28	10 ± 19	7 ± 19	7 ± 19	9 ± 19	11 ± 19
IL-22R + CD29	19 ± 57	18 ± 57	18 ± 57	18 ± 57	19 ± 57
IL-22R + CD3	17 ± 40	14 ± 40	14 ± 40	16 ± 40	18 ± 40
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	14 ± 29	10 ± 29	11 ± 29	13 ± 29	15 ± 29
IL-22R + CD44	73 ± 230	71 ± 231	71 ± 231	73 ± 230	75 ± 230
IL-22R + CD45	20 ± 52	17 ± 52	17 ± 52	19 ± 52	21 ± 52
IL-22R + CD45RA	0 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 3
IL-22R + CD45RO	4 ± 7	2 ± 5	2 ± 4	3 ± 5	6 ± 9
IL-22R + CD52	1 ± 3	1 ± 3	1 ± 3	2 ± 4	5 ± 8
IL-22R + CD54	3 ± 5	2 ± 4	2 ± 4	3 ± 6	5 ± 8
IL-22R + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD58	35 ± 103	32 ± 104	32 ± 104	34 ± 103	35 ± 103
IL-22R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	19 ± 60	19 ± 60	19 ± 60	19 ± 60	20 ± 60
IL-22R + CD7	5 ± 9	3 ± 8	4 ± 8	5 ± 9	8 ± 10
IL-22R + CD8a	2 ± 5	2 ± 5	2 ± 5	4 ± 5	5 ± 7
IL-22R + CK14	79 ± 244	76 ± 245	76 ± 245	76 ± 245	76 ± 245
IL-22R + CLA	21 ± 65	21 ± 65	21 ± 65	21 ± 65	22 ± 65
IL-22R + c-myc	52 ± 171	52 ± 171	52 ± 171	52 ± 171	52 ± 171
IL-22R + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 1
IL-22R + HLA-DR	67 ± 206	64 ± 207	65 ± 207	66 ± 207	67 ± 206
IL-22R + IL-23R	5 ± 15	5 ± 15	5 ± 15	5 ± 15	5 ± 15
IL-22R + Ki67	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + PI	20 ± 55	18 ± 56	18 ± 56	20 ± 55	21 ± 55
IL-22R + Podoplanin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
IL-22R + SNA1	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + STAT3	11 ± 29	9 ± 29	9 ± 29	9 ± 29	9 ± 29
IL-22R + TIA1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
IL-22R + Vimentin	23 ± 66	22 ± 66	22 ± 66	23 ± 66	23 ± 66

Tabelle 729: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	7 ± 19	1 ± 2	1 ± 2	2 ± 3	14 ± 32
IL-23R + BCL2	13 ± 26	5 ± 12	6 ± 12	9 ± 13	26 ± 53
IL-23R + CCR6	2 ± 3	1 ± 2	1 ± 2	7 ± 11	7 ± 15
IL-23R + CD11a	23 ± 62	2 ± 4	2 ± 4	12 ± 19	18 ± 37
IL-23R + CD11b	8 ± 15	3 ± 7	2 ± 5	5 ± 6	33 ± 69
IL-23R + CD120a	5 ± 10	3 ± 9	3 ± 9	3 ± 9	5 ± 10
IL-23R + CD120b	10 ± 29	1 ± 1	1 ± 1	2 ± 4	19 ± 43
IL-23R + CD138	8 ± 13	4 ± 11	4 ± 12	5 ± 11	4 ± 12
IL-23R + CD15	3 ± 6	0 ± 0	0 ± 1	0 ± 1	0 ± 0
IL-23R + CD1a	6 ± 14	3 ± 11	3 ± 11	3 ± 11	4 ± 11
IL-23R + CD2	23 ± 57	3 ± 5	3 ± 5	13 ± 18	44 ± 89
IL-23R + CD207	6 ± 15	4 ± 14	4 ± 14	6 ± 14	5 ± 14
IL-23R + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-23R + CD28	27 ± 72	1 ± 3	2 ± 3	9 ± 13	37 ± 80
IL-23R + CD29	16 ± 29	4 ± 8	5 ± 8	7 ± 9	18 ± 29
IL-23R + CD3	34 ± 94	2 ± 4	3 ± 4	13 ± 19	42 ± 86
IL-23R + CD31	8 ± 18	1 ± 3	1 ± 3	2 ± 4	16 ± 33
IL-23R + CD4	34 ± 92	2 ± 6	3 ± 6	14 ± 20	49 ± 99
IL-23R + CD44	17 ± 29	6 ± 12	6 ± 12	14 ± 19	24 ± 41
IL-23R + CD45	23 ± 55	3 ± 6	3 ± 6	12 ± 18	24 ± 47
IL-23R + CD45RA	4 ± 13	0 ± 1	0 ± 1	2 ± 3	5 ± 11
IL-23R + CD45RO	14 ± 34	1 ± 3	1 ± 3	11 ± 19	32 ± 70
IL-23R + CD52	15 ± 45	0 ± 1	1 ± 2	7 ± 12	34 ± 81
IL-23R + CD54	26 ± 65	2 ± 7	3 ± 7	12 ± 19	28 ± 51
IL-23R + CD56	1 ± 2	0 ± 1	0 ± 0	1 ± 2	1 ± 2
IL-23R + CD58	18 ± 41	5 ± 13	5 ± 13	10 ± 15	30 ± 60
IL-23R + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	2 ± 5
IL-23R + CD62P	2 ± 3	0 ± 2	0 ± 2	0 ± 2	3 ± 8
IL-23R + CD68	14 ± 27	6 ± 12	6 ± 11	13 ± 13	37 ± 70
IL-23R + CD7	8 ± 17	1 ± 2	1 ± 2	7 ± 13	17 ± 33
IL-23R + CD8a	3 ± 10	1 ± 2	0 ± 0	1 ± 2	9 ± 20
IL-23R + CK14	8 ± 15	4 ± 14	4 ± 14	5 ± 14	5 ± 14
IL-23R + CLA	4 ± 5	2 ± 3	2 ± 3	3 ± 4	6 ± 13
IL-23R + c-myc	7 ± 14	6 ± 13	5 ± 13	5 ± 13	5 ± 13
IL-23R + Collagen IV	7 ± 18	1 ± 3	1 ± 3	2 ± 4	11 ± 19
IL-23R + FXIIIA	7 ± 18	3 ± 6	3 ± 5	4 ± 8	19 ± 40
IL-23R + HLA-DR	27 ± 57	7 ± 15	7 ± 15	14 ± 17	32 ± 52
IL-23R + IL-22R	5 ± 15	5 ± 15	5 ± 15	5 ± 15	5 ± 15
IL-23R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + PI	22 ± 62	2 ± 4	3 ± 4	6 ± 7	28 ± 57
IL-23R + Podoplanin	0 ± 1	0 ± 0	1 ± 2	2 ± 4	1 ± 4
IL-23R + SNA1	17 ± 40	3 ± 5	3 ± 5	5 ± 6	13 ± 19
IL-23R + STAT3	7 ± 13	3 ± 8	3 ± 8	4 ± 8	4 ± 8
IL-23R + TIA1	3 ± 9	0 ± 0	0 ± 1	1 ± 1	1 ± 1
IL-23R + Vimentin	26 ± 60	6 ± 11	6 ± 11	14 ± 19	23 ± 36

Tabelle 730: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + BCL2	2 ± 5	1 ± 5	2 ± 5	4 ± 7	1 ± 5
Ki67 + CCR6	0 ± 1	0 ± 1	0 ± 1	3 ± 7	0 ± 1
Ki67 + CD11a	3 ± 6	2 ± 5	2 ± 5	5 ± 9	2 ± 5
Ki67 + CD11b	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD138	1 ± 1	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD2	3 ± 6	2 ± 5	2 ± 5	4 ± 6	3 ± 5
Ki67 + CD207	1 ± 3	1 ± 3	1 ± 3	3 ± 6	1 ± 3
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD28	1 ± 2	0 ± 1	0 ± 1	1 ± 3	0 ± 1
Ki67 + CD29	2 ± 4	1 ± 4	1 ± 4	2 ± 5	2 ± 4
Ki67 + CD3	3 ± 6	2 ± 5	2 ± 5	4 ± 7	2 ± 5
Ki67 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD4	2 ± 5	1 ± 4	1 ± 4	4 ± 7	2 ± 4
Ki67 + CD44	4 ± 8	4 ± 8	4 ± 8	5 ± 9	4 ± 8
Ki67 + CD45	2 ± 4	1 ± 3	1 ± 3	4 ± 7	2 ± 3
Ki67 + CD45RA	0 ± 1	0 ± 1	0 ± 1	1 ± 3	0 ± 1
Ki67 + CD45RO	1 ± 3	1 ± 3	1 ± 3	4 ± 9	1 ± 3
Ki67 + CD52	1 ± 2	0 ± 0	0 ± 1	4 ± 11	0 ± 1
Ki67 + CD54	1 ± 4	1 ± 4	1 ± 4	4 ± 9	2 ± 4
Ki67 + CD56	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
Ki67 + CD58	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	1 ± 3	1 ± 3	1 ± 3	4 ± 8	1 ± 3
Ki67 + CD7	1 ± 3	1 ± 3	1 ± 3	2 ± 5	1 ± 3
Ki67 + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CK14	4 ± 10	4 ± 10	4 ± 10	4 ± 10	4 ± 10
Ki67 + CLA	3 ± 4	2 ± 4	2 ± 4	4 ± 6	3 ± 4
Ki67 + c-myc	1 ± 3	1 ± 2	1 ± 2	2 ± 4	1 ± 2
Ki67 + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
Ki67 + HLA-DR	6 ± 11	5 ± 11	5 ± 11	7 ± 11	6 ± 11
Ki67 + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + PI	7 ± 12	6 ± 12	6 ± 12	9 ± 14	6 ± 12
Ki67 + Podoplanin	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + SNA1	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Ki67 + STAT3	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + TIA1	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 1
Ki67 + Vimentin	4 ± 9	4 ± 9	4 ± 9	6 ± 11	4 ± 9

Tabelle 731: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	29 ± 62	7 ± 13	8 ± 13	21 ± 41	51 ± 100
PI + BCL2	214 ± 183	109 ± 186	183 ± 211	432 ± 626	538 ± 830
PI + CCR6	331 ± 340	165 ± 320	237 ± 299	778 ± 1024	581 ± 706
PI + CD11a	940 ± 967	557 ± 994	717 ± 930	1718 ± 2362	1313 ± 1329
PI + CD11b	263 ± 402	231 ± 417	231 ± 417	308 ± 403	607 ± 573
PI + CD120a	11 ± 28	9 ± 29	9 ± 29	11 ± 28	14 ± 30
PI + CD120b	125 ± 201	41 ± 119	57 ± 117	125 ± 187	498 ± 986
PI + CD138	18 ± 28	6 ± 18	7 ± 18	11 ± 21	7 ± 18
PI + CD15	6 ± 12	1 ± 1	2 ± 2	8 ± 18	2 ± 3
PI + CD1a	19 ± 24	13 ± 19	12 ± 19	17 ± 21	56 ± 95
PI + CD2	949 ± 992	585 ± 1043	738 ± 978	1555 ± 1761	1520 ± 1517
PI + CD207	51 ± 82	45 ± 85	50 ± 83	88 ± 120	121 ± 139
PI + CD24	8 ± 9	5 ± 9	8 ± 11	17 ± 24	8 ± 9
PI + CD28	773 ± 852	424 ± 835	541 ± 797	1300 ± 1795	1233 ± 1446
PI + CD29	157 ± 136	71 ± 102	82 ± 95	204 ± 341	184 ± 136
PI + CD3	1036 ± 1080	600 ± 1058	774 ± 987	1808 ± 2319	1548 ± 1544
PI + CD31	29 ± 51	11 ± 19	13 ± 18	18 ± 19	76 ± 121
PI + CD4	1000 ± 1072	590 ± 1057	736 ± 993	1565 ± 1769	1537 ± 1573
PI + CD44	832 ± 740	537 ± 841	703 ± 766	1615 ± 2163	1188 ± 987
PI + CD45	855 ± 852	496 ± 896	656 ± 835	1631 ± 2225	1248 ± 1244
PI + CD45RA	206 ± 204	118 ± 214	138 ± 206	320 ± 383	285 ± 277
PI + CD45RO	554 ± 657	282 ± 637	399 ± 613	1192 ± 1893	1018 ± 1414
PI + CD52	742 ± 884	445 ± 917	574 ± 877	1483 ± 2310	1210 ± 1325
PI + CD54	733 ± 755	415 ± 755	484 ± 724	1286 ± 1907	1004 ± 955
PI + CD56	14 ± 22	3 ± 6	7 ± 8	22 ± 51	11 ± 13
PI + CD58	164 ± 265	90 ± 181	86 ± 183	253 ± 489	486 ± 769
PI + CD62E	7 ± 10	5 ± 10	5 ± 10	6 ± 10	14 ± 27
PI + CD62P	8 ± 13	6 ± 14	7 ± 13	7 ± 13	16 ± 24
PI + CD68	187 ± 320	143 ± 332	171 ± 322	323 ± 427	328 ± 451
PI + CD7	508 ± 579	324 ± 633	457 ± 597	1273 ± 1930	904 ± 979
PI + CD8a	265 ± 312	191 ± 340	235 ± 324	563 ± 743	530 ± 574
PI + CK14	62 ± 145	49 ± 147	49 ± 147	53 ± 146	49 ± 147
PI + CLA	230 ± 197	168 ± 229	210 ± 209	470 ± 597	342 ± 242
PI + c-myc	26 ± 54	18 ± 54	19 ± 54	35 ± 75	20 ± 53
PI + Collagen IV	66 ± 84	37 ± 55	43 ± 51	109 ± 189	126 ± 129
PI + FXIIIA	42 ± 36	29 ± 39	37 ± 40	101 ± 136	148 ± 218
PI + HLA-DR	818 ± 733	498 ± 767	617 ± 708	1350 ± 1873	1065 ± 887
PI + IL-22R	20 ± 55	18 ± 56	18 ± 56	20 ± 55	21 ± 55
PI + IL-23R	22 ± 62	2 ± 4	3 ± 4	6 ± 7	28 ± 57
PI + Ki67	7 ± 12	6 ± 12	6 ± 12	9 ± 14	6 ± 12
PI + Podoplanin	71 ± 135	47 ± 128	49 ± 127	100 ± 159	70 ± 133
PI + SNA1	202 ± 186	96 ± 143	134 ± 127	151 ± 129	165 ± 128
PI + STAT3	12 ± 18	3 ± 4	3 ± 4	15 ± 31	4 ± 5
PI + TIA1	88 ± 111	55 ± 119	66 ± 115	132 ± 190	127 ± 143
PI + Vimentin	554 ± 632	309 ± 603	407 ± 571	846 ± 1004	578 ± 623

Tabelle 732: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	3 ± 6	1 ± 3	2 ± 3	9 ± 27	1 ± 3
Podoplanin + BCL2	15 ± 32	5 ± 13	7 ± 13	27 ± 37	18 ± 37
Podoplanin + CCR6	44 ± 79	22 ± 54	24 ± 53	84 ± 110	38 ± 60
Podoplanin + CD11a	82 ± 143	50 ± 131	52 ± 130	131 ± 179	80 ± 141
Podoplanin + CD11b	24 ± 50	22 ± 51	22 ± 51	26 ± 49	35 ± 60
Podoplanin + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 1
Podoplanin + CD120b	9 ± 18	7 ± 18	7 ± 18	15 ± 19	26 ± 52
Podoplanin + CD138	5 ± 6	2 ± 5	2 ± 4	7 ± 14	2 ± 5
Podoplanin + CD15	0 ± 1	0 ± 0	0 ± 0	6 ± 14	0 ± 0
Podoplanin + CD1a	1 ± 3	1 ± 3	1 ± 3	4 ± 11	2 ± 4
Podoplanin + CD2	82 ± 144	48 ± 132	51 ± 131	104 ± 138	78 ± 140
Podoplanin + CD207	7 ± 13	4 ± 12	4 ± 12	16 ± 41	5 ± 12
Podoplanin + CD24	3 ± 5	2 ± 5	3 ± 5	4 ± 5	3 ± 5
Podoplanin + CD28	74 ± 140	46 ± 132	49 ± 131	106 ± 145	78 ± 143
Podoplanin + CD29	24 ± 35	15 ± 31	16 ± 31	39 ± 67	15 ± 31
Podoplanin + CD3	92 ± 164	59 ± 156	62 ± 155	146 ± 200	90 ± 165
Podoplanin + CD31	3 ± 7	2 ± 7	3 ± 7	3 ± 7	2 ± 7
Podoplanin + CD4	91 ± 164	57 ± 154	60 ± 153	122 ± 164	89 ± 163
Podoplanin + CD44	80 ± 125	48 ± 109	51 ± 108	132 ± 176	75 ± 118
Podoplanin + CD45	74 ± 131	42 ± 116	46 ± 115	120 ± 157	70 ± 127
Podoplanin + CD45RA	19 ± 30	9 ± 18	9 ± 18	29 ± 34	11 ± 17
Podoplanin + CD45RO	56 ± 106	31 ± 95	32 ± 95	98 ± 144	62 ± 112
Podoplanin + CD52	68 ± 143	44 ± 135	45 ± 135	125 ± 207	65 ± 138
Podoplanin + CD54	70 ± 127	41 ± 114	41 ± 113	108 ± 157	60 ± 119
Podoplanin + CD56	7 ± 14	4 ± 10	4 ± 10	17 ± 41	4 ± 10
Podoplanin + CD58	21 ± 46	16 ± 47	16 ± 47	41 ± 63	39 ± 72
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	24 ± 53	19 ± 53	20 ± 53	34 ± 60	31 ± 63
Podoplanin + CD7	48 ± 87	23 ± 70	26 ± 69	88 ± 123	43 ± 85
Podoplanin + CD8a	12 ± 22	9 ± 21	10 ± 21	26 ± 30	16 ± 29
Podoplanin + CK14	4 ± 6	2 ± 5	2 ± 5	3 ± 5	2 ± 5
Podoplanin + CLA	22 ± 35	12 ± 25	12 ± 26	39 ± 79	16 ± 28
Podoplanin + c-myc	4 ± 5	2 ± 4	2 ± 4	13 ± 38	2 ± 4
Podoplanin + Collagen IV	16 ± 34	12 ± 33	12 ± 33	27 ± 48	12 ± 33
Podoplanin + FXIIIA	5 ± 8	3 ± 6	4 ± 6	19 ± 42	11 ± 25
Podoplanin + HLA-DR	80 ± 125	49 ± 114	51 ± 113	121 ± 166	72 ± 119
Podoplanin + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
Podoplanin + IL-23R	0 ± 1	0 ± 0	1 ± 2	2 ± 4	1 ± 4
Podoplanin + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Podoplanin + PI	71 ± 135	47 ± 128	49 ± 127	100 ± 159	70 ± 133
Podoplanin + SNA1	32 ± 49	15 ± 33	16 ± 33	30 ± 37	18 ± 33
Podoplanin + STAT3	4 ± 7	3 ± 6	2 ± 6	11 ± 27	2 ± 6
Podoplanin + TIA1	6 ± 7	3 ± 6	3 ± 6	11 ± 23	4 ± 6
Podoplanin + Vimentin	69 ± 119	41 ± 107	44 ± 107	96 ± 136	60 ± 114

Tabelle 733: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	24 ± 41	10 ± 14	12 ± 14	15 ± 18	34 ± 54
SNA1 + BCL2	58 ± 71	19 ± 35	43 ± 56	48 ± 45	48 ± 63
SNA1 + CCR6	99 ± 120	36 ± 66	62 ± 65	112 ± 104	77 ± 75
SNA1 + CD11a	270 ± 325	97 ± 160	147 ± 154	194 ± 154	155 ± 150
SNA1 + CD11b	86 ± 88	66 ± 97	67 ± 96	90 ± 99	114 ± 89
SNA1 + CD120a	4 ± 9	1 ± 3	2 ± 4	2 ± 3	3 ± 6
SNA1 + CD120b	51 ± 88	13 ± 29	23 ± 32	26 ± 34	52 ± 75
SNA1 + CD138	16 ± 33	2 ± 3	1 ± 2	1 ± 2	1 ± 2
SNA1 + CD15	3 ± 5	0 ± 1	1 ± 1	2 ± 3	1 ± 3
SNA1 + CD1a	12 ± 20	4 ± 6	4 ± 6	6 ± 7	5 ± 6
SNA1 + CD2	256 ± 285	103 ± 171	152 ± 163	201 ± 163	202 ± 175
SNA1 + CD207	15 ± 20	6 ± 12	9 ± 12	15 ± 20	8 ± 12
SNA1 + CD24	5 ± 4	3 ± 4	4 ± 5	7 ± 12	4 ± 5
SNA1 + CD28	224 ± 281	71 ± 129	111 ± 129	153 ± 124	156 ± 158
SNA1 + CD29	114 ± 117	51 ± 65	60 ± 59	79 ± 67	92 ± 64
SNA1 + CD3	308 ± 389	109 ± 170	166 ± 160	222 ± 162	207 ± 172
SNA1 + CD31	27 ± 42	13 ± 23	17 ± 22	21 ± 24	49 ± 59
SNA1 + CD4	305 ± 374	114 ± 183	166 ± 168	209 ± 165	215 ± 187
SNA1 + CD44	278 ± 286	115 ± 158	170 ± 144	218 ± 147	190 ± 141
SNA1 + CD45	256 ± 291	92 ± 151	144 ± 144	191 ± 148	162 ± 145
SNA1 + CD45RA	70 ± 76	24 ± 33	29 ± 31	39 ± 33	37 ± 31
SNA1 + CD45RO	190 ± 246	57 ± 116	103 ± 123	144 ± 129	121 ± 139
SNA1 + CD52	176 ± 181	78 ± 143	118 ± 143	165 ± 147	150 ± 154
SNA1 + CD54	255 ± 308	98 ± 151	132 ± 141	171 ± 137	166 ± 139
SNA1 + CD56	13 ± 18	3 ± 5	4 ± 4	4 ± 5	6 ± 7
SNA1 + CD58	73 ± 122	28 ± 53	27 ± 53	55 ± 64	74 ± 105
SNA1 + CD62E	8 ± 16	7 ± 17	8 ± 16	8 ± 16	13 ± 20
SNA1 + CD62P	10 ± 19	9 ± 19	10 ± 19	10 ± 19	16 ± 21
SNA1 + CD68	91 ± 104	49 ± 86	64 ± 81	79 ± 77	87 ± 93
SNA1 + CD7	166 ± 177	62 ± 112	109 ± 115	145 ± 118	109 ± 104
SNA1 + CD8a	60 ± 50	31 ± 45	43 ± 46	61 ± 57	53 ± 41
SNA1 + CK14	21 ± 36	4 ± 11	5 ± 11	8 ± 11	5 ± 10
SNA1 + CLA	64 ± 53	35 ± 49	56 ± 51	60 ± 52	51 ± 45
SNA1 + c-myc	18 ± 25	10 ± 20	13 ± 20	12 ± 21	9 ± 20
SNA1 + Collagen IV	67 ± 93	32 ± 46	39 ± 41	62 ± 65	73 ± 55
SNA1 + FXIIIA	25 ± 17	15 ± 16	20 ± 16	26 ± 15	35 ± 29
SNA1 + HLA-DR	292 ± 322	118 ± 162	163 ± 147	197 ± 146	186 ± 147
SNA1 + IL-22R	2 ± 4	1 ± 3	1 ± 3	1 ± 3	1 ± 3
SNA1 + IL-23R	17 ± 40	3 ± 5	3 ± 5	5 ± 6	13 ± 19
SNA1 + Ki67	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
SNA1 + PI	202 ± 186	96 ± 143	134 ± 127	151 ± 129	165 ± 128
SNA1 + Podoplanin	32 ± 49	15 ± 33	16 ± 33	30 ± 37	18 ± 33
SNA1 + STAT3	8 ± 11	3 ± 5	3 ± 4	2 ± 3	4 ± 5
SNA1 + TIA1	30 ± 36	11 ± 25	13 ± 24	22 ± 29	19 ± 24
SNA1 + Vimentin	207 ± 273	72 ± 122	108 ± 116	144 ± 118	128 ± 125

Tabelle 734: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	5 ± 8	2 ± 3	2 ± 3	10 ± 26	4 ± 7
STAT3 + BCL2	11 ± 31	9 ± 31	10 ± 31	16 ± 33	11 ± 31
STAT3 + CCR6	7 ± 10	2 ± 5	3 ± 5	18 ± 37	2 ± 5
STAT3 + CD11a	15 ± 26	2 ± 4	3 ± 5	18 ± 35	3 ± 4
STAT3 + CD11b	4 ± 5	3 ± 5	3 ± 5	3 ± 5	3 ± 5
STAT3 + CD120a	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
STAT3 + CD120b	2 ± 5	0 ± 1	0 ± 1	0 ± 1	2 ± 3
STAT3 + CD138	21 ± 36	10 ± 31	10 ± 31	15 ± 33	10 ± 31
STAT3 + CD15	1 ± 2	0 ± 0	0 ± 0	4 ± 13	0 ± 0
STAT3 + CD1a	8 ± 16	4 ± 11	4 ± 11	4 ± 11	4 ± 11
STAT3 + CD2	15 ± 27	3 ± 5	4 ± 5	13 ± 21	6 ± 8
STAT3 + CD207	10 ± 22	7 ± 22	7 ± 22	7 ± 21	7 ± 22
STAT3 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD28	14 ± 26	2 ± 5	3 ± 5	8 ± 13	5 ± 7
STAT3 + CD29	12 ± 20	8 ± 19	8 ± 19	19 ± 38	10 ± 19
STAT3 + CD3	16 ± 30	3 ± 5	3 ± 5	15 ± 28	5 ± 6
STAT3 + CD31	2 ± 3	1 ± 3	1 ± 3	1 ± 3	4 ± 7
STAT3 + CD4	17 ± 29	3 ± 5	4 ± 5	10 ± 20	6 ± 8
STAT3 + CD44	20 ± 33	11 ± 32	12 ± 31	22 ± 39	11 ± 31
STAT3 + CD45	15 ± 25	2 ± 4	3 ± 4	15 ± 28	4 ± 5
STAT3 + CD45RA	4 ± 6	3 ± 6	3 ± 6	11 ± 21	3 ± 6
STAT3 + CD45RO	14 ± 24	2 ± 5	3 ± 5	17 ± 37	3 ± 5
STAT3 + CD52	6 ± 7	3 ± 6	3 ± 5	17 ± 37	5 ± 7
STAT3 + CD54	11 ± 17	3 ± 5	3 ± 5	12 ± 22	4 ± 6
STAT3 + CD56	6 ± 10	3 ± 7	3 ± 6	15 ± 36	2 ± 6
STAT3 + CD58	20 ± 37	9 ± 24	9 ± 24	13 ± 24	12 ± 24
STAT3 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
STAT3 + CD62P	1 ± 2	0 ± 2	0 ± 2	0 ± 2	1 ± 2
STAT3 + CD68	7 ± 10	5 ± 8	4 ± 8	19 ± 31	6 ± 9
STAT3 + CD7	10 ± 16	2 ± 5	3 ± 5	9 ± 16	3 ± 5
STAT3 + CD8a	2 ± 3	1 ± 3	1 ± 3	3 ± 4	1 ± 2
STAT3 + CK14	21 ± 40	11 ± 34	11 ± 33	12 ± 33	11 ± 34
STAT3 + CLA	3 ± 4	2 ± 4	2 ± 4	6 ± 10	2 ± 4
STAT3 + c-myc	15 ± 35	12 ± 35	11 ± 35	22 ± 48	11 ± 35
STAT3 + Collagen IV	2 ± 3	1 ± 3	1 ± 3	1 ± 3	3 ± 4
STAT3 + FXIIIA	4 ± 6	2 ± 5	2 ± 4	16 ± 35	1 ± 3
STAT3 + HLA-DR	23 ± 35	11 ± 28	12 ± 28	22 ± 37	12 ± 28
STAT3 + IL-22R	11 ± 29	9 ± 29	9 ± 29	9 ± 29	9 ± 29
STAT3 + IL-23R	7 ± 13	3 ± 8	3 ± 8	4 ± 8	4 ± 8
STAT3 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
STAT3 + PI	12 ± 18	3 ± 4	3 ± 4	15 ± 31	4 ± 5
STAT3 + Podoplanin	4 ± 7	3 ± 6	2 ± 6	11 ± 27	2 ± 6
STAT3 + SNA1	8 ± 11	3 ± 5	3 ± 4	2 ± 3	4 ± 5
STAT3 + TIA1	3 ± 4	2 ± 3	2 ± 3	6 ± 14	2 ± 3
STAT3 + Vimentin	13 ± 18	5 ± 7	5 ± 7	15 ± 22	5 ± 7

Tabelle 735: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	4 ± 6	3 ± 7	3 ± 7	7 ± 15	4 ± 8
TIA1 + BCL2	25 ± 28	12 ± 26	15 ± 26	39 ± 67	62 ± 98
TIA1 + CCR6	41 ± 46	21 ± 46	26 ± 45	76 ± 105	63 ± 72
TIA1 + CD11a	105 ± 129	59 ± 131	72 ± 126	152 ± 219	143 ± 157
TIA1 + CD11b	46 ± 87	34 ± 90	36 ± 89	51 ± 90	85 ± 106
TIA1 + CD120a	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 3
TIA1 + CD120b	21 ± 33	8 ± 25	10 ± 25	22 ± 37	57 ± 101
TIA1 + CD138	1 ± 2	0 ± 1	1 ± 2	3 ± 9	0 ± 1
TIA1 + CD15	4 ± 10	0 ± 0	1 ± 2	5 ± 14	1 ± 2
TIA1 + CD1a	2 ± 6	0 ± 1	0 ± 1	2 ± 3	2 ± 3
TIA1 + CD2	105 ± 131	61 ± 136	73 ± 131	145 ± 191	148 ± 163
TIA1 + CD207	2 ± 5	0 ± 2	1 ± 2	7 ± 15	3 ± 5
TIA1 + CD24	2 ± 2	1 ± 2	2 ± 3	4 ± 7	1 ± 2
TIA1 + CD28	87 ± 103	45 ± 103	52 ± 100	120 ± 181	120 ± 146
TIA1 + CD29	17 ± 16	6 ± 12	7 ± 12	20 ± 37	12 ± 12
TIA1 + CD3	109 ± 133	59 ± 131	72 ± 126	154 ± 213	147 ± 160
TIA1 + CD31	2 ± 6	2 ± 6	2 ± 6	2 ± 6	4 ± 8
TIA1 + CD4	100 ± 127	55 ± 126	65 ± 123	127 ± 167	138 ± 160
TIA1 + CD44	89 ± 98	51 ± 105	64 ± 101	145 ± 203	111 ± 112
TIA1 + CD45	99 ± 116	55 ± 120	67 ± 115	147 ± 207	139 ± 150
TIA1 + CD45RA	47 ± 58	27 ± 60	34 ± 58	55 ± 74	75 ± 77
TIA1 + CD45RO	60 ± 80	32 ± 81	39 ± 80	106 ± 179	102 ± 142
TIA1 + CD52	92 ± 120	54 ± 126	63 ± 123	140 ± 215	130 ± 152
TIA1 + CD54	89 ± 102	46 ± 101	53 ± 99	114 ± 174	107 ± 114
TIA1 + CD56	5 ± 9	1 ± 4	3 ± 5	8 ± 19	2 ± 5
TIA1 + CD58	23 ± 40	14 ± 37	14 ± 37	26 ± 37	53 ± 81
TIA1 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 3
TIA1 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	27 ± 56	19 ± 58	22 ± 57	33 ± 63	36 ± 63
TIA1 + CD7	85 ± 116	54 ± 123	66 ± 119	142 ± 204	131 ± 151
TIA1 + CD8a	69 ± 92	44 ± 97	50 ± 94	108 ± 139	120 ± 133
TIA1 + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
TIA1 + CLA	32 ± 44	22 ± 47	24 ± 46	62 ± 84	51 ± 50
TIA1 + c-myc	3 ± 4	1 ± 3	1 ± 3	7 ± 18	1 ± 3
TIA1 + Collagen IV	6 ± 10	4 ± 9	4 ± 9	7 ± 11	11 ± 20
TIA1 + FXIIIA	5 ± 6	3 ± 4	4 ± 6	12 ± 27	8 ± 11
TIA1 + HLA-DR	83 ± 94	46 ± 94	54 ± 91	121 ± 181	99 ± 101
TIA1 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
TIA1 + IL-23R	3 ± 9	0 ± 0	0 ± 1	1 ± 1	1 ± 1
TIA1 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 1
TIA1 + PI	88 ± 111	55 ± 119	66 ± 115	132 ± 190	127 ± 143
TIA1 + Podoplanin	6 ± 7	3 ± 6	3 ± 6	11 ± 23	4 ± 6
TIA1 + SNA1	30 ± 36	11 ± 25	13 ± 24	22 ± 29	19 ± 24
TIA1 + STAT3	3 ± 4	2 ± 3	2 ± 3	6 ± 14	2 ± 3
TIA1 + Vimentin	59 ± 90	34 ± 90	40 ± 88	69 ± 97	55 ± 88

Tabelle 736: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für alle n=6 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	21 ± 33	8 ± 11	9 ± 11	15 ± 28	13 ± 17
Vimentin + BCL2	178 ± 153	72 ± 114	136 ± 154	421 ± 662	203 ± 231
Vimentin + CCR6	243 ± 297	109 ± 266	175 ± 259	654 ± 921	291 ± 340
Vimentin + CD11a	629 ± 753	319 ± 671	441 ± 641	1110 ± 1393	563 ± 686
Vimentin + CD11b	208 ± 404	185 ± 413	183 ± 414	236 ± 402	378 ± 435
Vimentin + CD120a	17 ± 51	16 ± 51	17 ± 51	18 ± 50	19 ± 50
Vimentin + CD120b	104 ± 180	32 ± 100	46 ± 100	98 ± 131	158 ± 284
Vimentin + CD138	27 ± 42	11 ± 29	12 ± 29	15 ± 29	11 ± 29
Vimentin + CD15	3 ± 4	1 ± 2	2 ± 3	6 ± 8	2 ± 2
Vimentin + CD1a	25 ± 40	18 ± 36	16 ± 36	21 ± 36	28 ± 39
Vimentin + CD2	642 ± 748	342 ± 690	465 ± 654	1100 ± 1265	687 ± 731
Vimentin + CD207	57 ± 98	48 ± 101	51 ± 99	75 ± 110	67 ± 96
Vimentin + CD24	2 ± 2	1 ± 2	2 ± 4	5 ± 9	1 ± 2
Vimentin + CD28	509 ± 648	229 ± 541	317 ± 528	826 ± 1037	494 ± 644
Vimentin + CD29	133 ± 137	54 ± 87	66 ± 82	163 ± 269	106 ± 106
Vimentin + CD3	705 ± 873	343 ± 717	479 ± 683	1183 ± 1396	709 ± 795
Vimentin + CD31	25 ± 37	12 ± 22	15 ± 21	20 ± 23	35 ± 44
Vimentin + CD4	688 ± 859	342 ± 724	457 ± 689	1085 ± 1288	697 ± 802
Vimentin + CD44	582 ± 601	323 ± 579	454 ± 542	1036 ± 1162	635 ± 615
Vimentin + CD45	569 ± 645	280 ± 580	400 ± 553	1061 ± 1334	520 ± 593
Vimentin + CD45RA	139 ± 186	70 ± 157	82 ± 154	202 ± 261	108 ± 150
Vimentin + CD45RO	415 ± 547	181 ± 471	272 ± 463	827 ± 1097	442 ± 605
Vimentin + CD52	440 ± 607	233 ± 590	327 ± 576	879 ± 1222	458 ± 606
Vimentin + CD54	524 ± 670	240 ± 533	296 ± 516	867 ± 1158	474 ± 565
Vimentin + CD56	17 ± 25	4 ± 7	6 ± 7	20 ± 31	7 ± 12
Vimentin + CD58	139 ± 231	77 ± 171	74 ± 171	245 ± 492	179 ± 266
Vimentin + CD62E	7 ± 14	6 ± 14	7 ± 14	7 ± 14	12 ± 21
Vimentin + CD62P	8 ± 16	7 ± 16	8 ± 16	9 ± 16	13 ± 20
Vimentin + CD68	244 ± 410	173 ± 417	205 ± 406	385 ± 524	291 ± 443
Vimentin + CD7	354 ± 444	187 ± 440	286 ± 431	801 ± 1044	367 ± 467
Vimentin + CD8a	143 ± 214	102 ± 222	128 ± 217	313 ± 378	184 ± 224
Vimentin + CK14	59 ± 115	44 ± 116	45 ± 116	48 ± 115	45 ± 116
Vimentin + CLA	171 ± 191	120 ± 207	159 ± 196	306 ± 344	193 ± 199
Vimentin + c-myc	25 ± 45	18 ± 45	20 ± 45	26 ± 51	18 ± 45
Vimentin + Collagen IV	50 ± 75	28 ± 60	33 ± 58	79 ± 127	69 ± 98
Vimentin + FXIIIA	41 ± 37	26 ± 35	31 ± 36	107 ± 155	103 ± 144
Vimentin + HLA-DR	608 ± 668	326 ± 582	426 ± 548	858 ± 960	588 ± 598
Vimentin + IL-22R	23 ± 66	22 ± 66	22 ± 66	23 ± 66	23 ± 66
Vimentin + IL-23R	26 ± 60	6 ± 11	6 ± 11	14 ± 19	23 ± 36
Vimentin + Ki67	4 ± 9	4 ± 9	4 ± 9	6 ± 11	4 ± 9
Vimentin + PI	554 ± 632	309 ± 603	407 ± 571	846 ± 1004	578 ± 623
Vimentin + Podoplanin	69 ± 119	41 ± 107	44 ± 107	96 ± 136	60 ± 114
Vimentin + SNA1	207 ± 273	72 ± 122	108 ± 116	144 ± 118	128 ± 125
Vimentin + STAT3	13 ± 18	5 ± 7	5 ± 7	15 ± 22	5 ± 7
Vimentin + TIA1	59 ± 90	34 ± 90	40 ± 88	69 ± 97	55 ± 88

1.1.17 Duale Koexpression der Th17-Zellen für die Responder

Tabelle 737: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	7 ± 18	1 ± 1	2 ± 2	4 ± 10	29 ± 86
Aktin + CCR6	3 ± 4	1 ± 3	2 ± 3	16 ± 39	2 ± 3
Aktin + CD11a	20 ± 44	4 ± 7	5 ± 7	22 ± 52	7 ± 7
Aktin + CD11b	6 ± 9	4 ± 9	5 ± 9	4 ± 9	6 ± 8
Aktin + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	5 ± 13	0 ± 1	0 ± 1	0 ± 1	18 ± 53
Aktin + CD138	2 ± 3	1 ± 2	1 ± 2	6 ± 17	1 ± 2
Aktin + CD15	1 ± 1	0 ± 0	0 ± 0	5 ± 15	0 ± 0
Aktin + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	28 ± 59	7 ± 11	7 ± 10	14 ± 20	63 ± 149
Aktin + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Aktin + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	28 ± 67	4 ± 8	5 ± 7	15 ± 30	55 ± 137
Aktin + CD29	42 ± 76	13 ± 19	17 ± 18	34 ± 58	62 ± 121
Aktin + CD3	37 ± 76	9 ± 16	11 ± 15	26 ± 47	38 ± 69
Aktin + CD31	31 ± 59	10 ± 16	14 ± 16	16 ± 20	66 ± 151
Aktin + CD4	41 ± 76	13 ± 20	17 ± 19	19 ± 22	70 ± 148
Aktin + CD44	9 ± 13	6 ± 14	7 ± 13	24 ± 50	9 ± 14
Aktin + CD45	19 ± 44	2 ± 3	2 ± 2	15 ± 38	21 ± 47
Aktin + CD45RA	5 ± 5	3 ± 6	3 ± 6	11 ± 23	5 ± 6
Aktin + CD45RO	7 ± 13	1 ± 3	1 ± 3	17 ± 46	13 ± 33
Aktin + CD52	29 ± 72	3 ± 7	4 ± 7	25 ± 64	51 ± 132
Aktin + CD54	25 ± 33	13 ± 20	17 ± 19	29 ± 48	26 ± 23
Aktin + CD56	4 ± 7	1 ± 3	1 ± 3	12 ± 34	1 ± 3
Aktin + CD58	30 ± 70	6 ± 10	6 ± 10	11 ± 15	61 ± 151
Aktin + CD62E	6 ± 10	5 ± 10	5 ± 10	8 ± 11	8 ± 10
Aktin + CD62P	8 ± 12	6 ± 12	6 ± 12	9 ± 13	10 ± 11
Aktin + CD68	7 ± 12	7 ± 12	9 ± 13	18 ± 33	39 ± 87
Aktin + CD7	4 ± 5	3 ± 5	3 ± 5	14 ± 33	7 ± 7
Aktin + CD8a	6 ± 15	0 ± 0	0 ± 0	3 ± 8	3 ± 5
Aktin + CK14	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
Aktin + CLA	1 ± 2	0 ± 1	0 ± 1	4 ± 11	1 ± 3
Aktin + c-myc	5 ± 6	2 ± 5	3 ± 5	14 ± 35	2 ± 5
Aktin + Collagen IV	29 ± 61	8 ± 12	10 ± 11	19 ± 29	39 ± 72
Aktin + FXIIIA	3 ± 4	2 ± 3	3 ± 3	13 ± 33	2 ± 4
Aktin + HLA-DR	16 ± 16	11 ± 17	12 ± 16	29 ± 51	28 ± 38
Aktin + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + IL-23R	8 ± 21	1 ± 2	1 ± 2	1 ± 2	13 ± 35
Aktin + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Aktin + PI	32 ± 69	8 ± 14	9 ± 14	24 ± 45	50 ± 109
Aktin + Podoplanin	2 ± 4	1 ± 3	2 ± 3	11 ± 30	1 ± 3
Aktin + SNA1	28 ± 45	11 ± 15	14 ± 15	17 ± 19	35 ± 57
Aktin + STAT3	4 ± 5	2 ± 4	2 ± 4	12 ± 29	5 ± 7
Aktin + TIA1	4 ± 7	3 ± 7	3 ± 7	8 ± 16	4 ± 7
Aktin + Vimentin	22 ± 36	8 ± 11	11 ± 11	19 ± 30	10 ± 10

Tabelle 738: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	7 ± 18	1 ± 1	2 ± 2	4 ± 10	29 ± 86
BCL2 + CCR6	107 ± 117	55 ± 92	99 ± 116	400 ± 650	357 ± 599
BCL2 + CD11a	225 ± 204	129 ± 194	225 ± 250	660 ± 951	643 ± 925
BCL2 + CD11b	49 ± 65	41 ± 64	42 ± 64	70 ± 70	324 ± 541
BCL2 + CD120a	9 ± 27	9 ± 27	10 ± 27	10 ± 27	15 ± 29
BCL2 + CD120b	44 ± 67	10 ± 25	21 ± 31	79 ± 127	423 ± 814
BCL2 + CD138	36 ± 102	34 ± 102	35 ± 102	37 ± 101	35 ± 102
BCL2 + CD15	2 ± 3	1 ± 3	2 ± 3	3 ± 6	2 ± 3
BCL2 + CD1a	18 ± 42	16 ± 43	16 ± 43	20 ± 42	43 ± 74
BCL2 + CD2	243 ± 228	143 ± 219	237 ± 264	672 ± 944	746 ± 1099
BCL2 + CD207	48 ± 115	44 ± 117	49 ± 115	62 ± 118	81 ± 136
BCL2 + CD24	1 ± 1	1 ± 1	1 ± 1	3 ± 7	1 ± 1
BCL2 + CD28	186 ± 182	93 ± 158	180 ± 230	519 ± 764	657 ± 1051
BCL2 + CD29	58 ± 60	26 ± 46	35 ± 45	114 ± 193	76 ± 93
BCL2 + CD3	238 ± 231	134 ± 211	235 ± 270	668 ± 954	722 ± 1077
BCL2 + CD31	6 ± 16	1 ± 2	2 ± 3	6 ± 12	41 ± 93
BCL2 + CD4	224 ± 220	125 ± 202	211 ± 241	638 ± 931	724 ± 1105
BCL2 + CD44	218 ± 186	153 ± 208	247 ± 246	589 ± 752	480 ± 579
BCL2 + CD45	208 ± 189	117 ± 181	207 ± 232	646 ± 948	627 ± 932
BCL2 + CD45RA	50 ± 46	25 ± 43	37 ± 42	132 ± 209	160 ± 260
BCL2 + CD45RO	140 ± 154	65 ± 121	149 ± 203	542 ± 874	619 ± 1040
BCL2 + CD52	180 ± 191	98 ± 182	187 ± 246	572 ± 860	629 ± 996
BCL2 + CD54	172 ± 171	88 ± 154	140 ± 164	540 ± 842	470 ± 700
BCL2 + CD56	2 ± 4	1 ± 1	1 ± 2	13 ± 26	6 ± 13
BCL2 + CD58	71 ± 98	47 ± 86	48 ± 86	190 ± 400	384 ± 651
BCL2 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
BCL2 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
BCL2 + CD68	48 ± 52	35 ± 54	57 ± 63	220 ± 359	188 ± 296
BCL2 + CD7	129 ± 134	79 ± 140	159 ± 203	519 ± 780	512 ± 795
BCL2 + CD8a	67 ± 68	46 ± 71	71 ± 80	213 ± 283	345 ± 579
BCL2 + CK14	62 ± 176	60 ± 177	60 ± 177	62 ± 176	60 ± 177
BCL2 + CLA	84 ± 75	65 ± 80	92 ± 83	217 ± 280	149 ± 159
BCL2 + c-myc	57 ± 154	53 ± 155	55 ± 155	60 ± 154	56 ± 155
BCL2 + Collagen IV	10 ± 22	3 ± 5	5 ± 6	26 ± 46	27 ± 46
BCL2 + FXIIIA	7 ± 9	6 ± 9	14 ± 17	72 ± 132	97 ± 166
BCL2 + HLA-DR	192 ± 157	131 ± 168	198 ± 190	449 ± 563	413 ± 495
BCL2 + IL-22R	45 ± 132	45 ± 132	45 ± 132	46 ± 132	48 ± 131
BCL2 + IL-23R	14 ± 28	6 ± 13	7 ± 13	8 ± 13	32 ± 57
BCL2 + Ki67	2 ± 5	2 ± 5	2 ± 5	5 ± 8	2 ± 5
BCL2 + PI	219 ± 198	132 ± 199	213 ± 223	517 ± 667	632 ± 896
BCL2 + Podoplanin	7 ± 14	7 ± 14	8 ± 14	25 ± 37	22 ± 40
BCL2 + SNA1	47 ± 70	24 ± 38	50 ± 60	52 ± 47	58 ± 66
BCL2 + STAT3	14 ± 34	12 ± 34	12 ± 34	20 ± 35	14 ± 34
BCL2 + TIA1	28 ± 30	15 ± 29	18 ± 27	47 ± 72	73 ± 106
BCL2 + Vimentin	167 ± 160	88 ± 121	157 ± 163	479 ± 723	229 ± 246

Tabelle 739: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	3 ± 4	1 ± 3	2 ± 3	16 ± 39	2 ± 3
CCR6 + BCL2	107 ± 117	55 ± 92	99 ± 116	400 ± 650	357 ± 599
CCR6 + CD11a	378 ± 390	229 ± 400	319 ± 375	1196 ± 1651	718 ± 894
CCR6 + CD11b	130 ± 214	105 ± 214	109 ± 212	181 ± 247	345 ± 474
CCR6 + CD120a	1 ± 1	1 ± 1	1 ± 1	3 ± 4	5 ± 10
CCR6 + CD120b	76 ± 117	32 ± 83	45 ± 83	123 ± 153	391 ± 733
CCR6 + CD138	4 ± 5	1 ± 2	2 ± 2	8 ± 17	1 ± 2
CCR6 + CD15	1 ± 2	0 ± 1	1 ± 1	8 ± 19	1 ± 2
CCR6 + CD1a	6 ± 9	4 ± 9	4 ± 9	11 ± 15	28 ± 43
CCR6 + CD2	376 ± 391	233 ± 405	317 ± 380	1110 ± 1452	804 ± 1077
CCR6 + CD207	14 ± 19	9 ± 19	14 ± 19	44 ± 74	43 ± 59
CCR6 + CD24	5 ± 7	2 ± 3	3 ± 4	11 ± 24	3 ± 3
CCR6 + CD28	317 ± 340	183 ± 346	260 ± 329	913 ± 1256	710 ± 1006
CCR6 + CD29	65 ± 76	32 ± 54	39 ± 51	141 ± 220	48 ± 48
CCR6 + CD3	403 ± 406	243 ± 415	339 ± 388	1257 ± 1649	835 ± 1109
CCR6 + CD31	2 ± 3	2 ± 3	2 ± 3	7 ± 9	3 ± 3
CCR6 + CD4	369 ± 375	234 ± 406	316 ± 379	1113 ± 1526	816 ± 1092
CCR6 + CD44	357 ± 346	223 ± 359	317 ± 335	1096 ± 1371	637 ± 715
CCR6 + CD45	360 ± 369	210 ± 367	300 ± 342	1186 ± 1621	680 ± 855
CCR6 + CD45RA	88 ± 97	58 ± 102	68 ± 98	241 ± 303	158 ± 219
CCR6 + CD45RO	239 ± 289	136 ± 293	206 ± 286	883 ± 1254	669 ± 1044
CCR6 + CD52	320 ± 370	197 ± 369	273 ± 352	1047 ± 1430	700 ± 978
CCR6 + CD54	304 ± 312	168 ± 295	223 ± 275	920 ± 1367	550 ± 723
CCR6 + CD56	7 ± 10	5 ± 10	7 ± 9	38 ± 68	10 ± 12
CCR6 + CD58	57 ± 102	45 ± 104	46 ± 104	296 ± 676	324 ± 566
CCR6 + CD62E	1 ± 2	0 ± 0	0 ± 0	0 ± 1	1 ± 1
CCR6 + CD62P	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CCR6 + CD68	85 ± 178	68 ± 181	83 ± 177	304 ± 458	184 ± 263
CCR6 + CD7	237 ± 273	148 ± 286	219 ± 276	925 ± 1259	536 ± 727
CCR6 + CD8a	123 ± 147	83 ± 150	101 ± 143	379 ± 439	316 ± 463
CCR6 + CK14	6 ± 9	4 ± 9	4 ± 9	6 ± 10	5 ± 9
CCR6 + CLA	115 ± 124	79 ± 115	104 ± 109	317 ± 352	157 ± 133
CCR6 + c-myc	3 ± 3	2 ± 2	1 ± 2	24 ± 67	2 ± 3
CCR6 + Collagen IV	12 ± 20	10 ± 21	12 ± 20	64 ± 94	15 ± 20
CCR6 + FXIIIA	15 ± 14	12 ± 15	18 ± 15	119 ± 194	85 ± 132
CCR6 + HLA-DR	304 ± 288	193 ± 310	263 ± 291	837 ± 1051	509 ± 536
CCR6 + IL-22R	2 ± 3	1 ± 2	1 ± 2	3 ± 5	4 ± 6
CCR6 + IL-23R	2 ± 4	1 ± 2	1 ± 2	5 ± 10	9 ± 16
CCR6 + Ki67	0 ± 1	0 ± 1	0 ± 1	3 ± 8	0 ± 1
CCR6 + PI	326 ± 341	202 ± 346	273 ± 320	904 ± 1102	631 ± 759
CCR6 + Podoplanin	29 ± 58	27 ± 59	28 ± 58	87 ± 119	46 ± 63
CCR6 + SNA1	75 ± 74	45 ± 71	71 ± 69	113 ± 105	85 ± 79
CCR6 + STAT3	5 ± 7	3 ± 5	3 ± 6	22 ± 40	3 ± 5
CCR6 + TIA1	45 ± 50	26 ± 50	30 ± 49	90 ± 113	70 ± 77
CCR6 + Vimentin	219 ± 281	133 ± 291	198 ± 282	702 ± 1011	299 ± 357

Tabelle 740: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	20 ± 44	4 ± 7	5 ± 7	22 ± 52	7 ± 7
CD11a + BCL2	225 ± 204	129 ± 194	225 ± 250	660 ± 951	643 ± 925
CD11a + CCR6	378 ± 390	229 ± 400	319 ± 375	1196 ± 1651	718 ± 894
CD11a + CD11b	338 ± 537	304 ± 553	314 ± 547	390 ± 525	704 ± 664
CD11a + CD120a	18 ± 39	13 ± 38	14 ± 38	15 ± 38	22 ± 40
CD11a + CD120b	196 ± 309	68 ± 174	93 ± 171	215 ± 275	702 ± 1225
CD11a + CD138	25 ± 43	13 ± 34	14 ± 34	20 ± 35	14 ± 34
CD11a + CD15	6 ± 10	1 ± 2	2 ± 3	10 ± 24	2 ± 3
CD11a + CD1a	34 ± 45	19 ± 31	19 ± 31	30 ± 35	81 ± 109
CD11a + CD2	1154 ± 1200	765 ± 1206	943 ± 1128	2240 ± 2477	1804 ± 1682
CD11a + CD207	80 ± 109	68 ± 115	78 ± 110	134 ± 170	156 ± 167
CD11a + CD24	11 ± 11	8 ± 12	11 ± 13	23 ± 27	9 ± 11
CD11a + CD28	983 ± 1115	580 ± 1023	739 ± 973	1963 ± 2518	1588 ± 1685
CD11a + CD29	160 ± 156	78 ± 113	90 ± 106	278 ± 469	128 ± 100
CD11a + CD3	1272 ± 1349	786 ± 1240	986 ± 1155	2629 ± 3266	1843 ± 1708
CD11a + CD31	18 ± 38	5 ± 8	6 ± 8	16 ± 22	26 ± 54
CD11a + CD4	1213 ± 1341	760 ± 1239	931 ± 1162	2284 ± 2611	1807 ± 1731
CD11a + CD44	1031 ± 958	698 ± 995	891 ± 908	2319 ± 2998	1425 ± 1144
CD11a + CD45	1095 ± 1125	690 ± 1100	876 ± 1021	2487 ± 3181	1642 ± 1532
CD11a + CD45RA	255 ± 285	152 ± 268	179 ± 256	469 ± 539	352 ± 340
CD11a + CD45RO	685 ± 885	394 ± 810	546 ± 783	1785 ± 2638	1349 ± 1700
CD11a + CD52	906 ± 1092	586 ± 1104	747 ± 1058	2215 ± 3151	1507 ± 1559
CD11a + CD54	908 ± 988	530 ± 914	641 ± 863	1968 ± 2725	1206 ± 1106
CD11a + CD56	12 ± 19	5 ± 7	9 ± 8	35 ± 65	13 ± 13
CD11a + CD58	231 ± 358	122 ± 240	124 ± 239	456 ± 895	638 ± 869
CD11a + CD62E	1 ± 2	0 ± 0	0 ± 0	2 ± 5	2 ± 5
CD11a + CD62P	0 ± 1	0 ± 0	0 ± 0	1 ± 4	0 ± 1
CD11a + CD68	234 ± 431	187 ± 441	215 ± 432	503 ± 671	346 ± 486
CD11a + CD7	645 ± 738	443 ± 781	596 ± 742	1923 ± 2714	1213 ± 1211
CD11a + CD8a	337 ± 380	248 ± 411	294 ± 392	787 ± 948	703 ± 707
CD11a + CK14	75 ± 152	60 ± 152	61 ± 152	67 ± 150	62 ± 152
CD11a + CLA	298 ± 248	235 ± 286	288 ± 258	674 ± 811	422 ± 280
CD11a + c-myc	26 ± 49	18 ± 48	20 ± 47	45 ± 85	21 ± 47
CD11a + Collagen IV	67 ± 104	36 ± 67	40 ± 65	160 ± 282	69 ± 78
CD11a + FXIIIA	36 ± 35	29 ± 38	39 ± 35	158 ± 236	122 ± 145
CD11a + HLA-DR	977 ± 954	622 ± 880	761 ± 812	1869 ± 2501	1222 ± 979
CD11a + IL-22R	30 ± 73	27 ± 74	27 ± 74	29 ± 73	32 ± 72
CD11a + IL-23R	26 ± 69	3 ± 5	3 ± 5	9 ± 18	21 ± 40
CD11a + Ki67	2 ± 5	2 ± 5	3 ± 5	6 ± 10	2 ± 5
CD11a + PI	1017 ± 1053	672 ± 1073	822 ± 999	2025 ± 2528	1522 ± 1380
CD11a + Podoplanin	70 ± 142	60 ± 144	62 ± 143	136 ± 194	97 ± 151
CD11a + SNA1	246 ± 350	115 ± 173	166 ± 163	206 ± 157	179 ± 154
CD11a + STAT3	14 ± 28	3 ± 5	4 ± 5	21 ± 38	4 ± 5
CD11a + TIA1	118 ± 141	72 ± 142	82 ± 138	179 ± 236	165 ± 166
CD11a + Vimentin	645 ± 825	383 ± 733	499 ± 697	1228 ± 1514	634 ± 736

Tabelle 741: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	6 ± 9	4 ± 9	5 ± 9	4 ± 9	6 ± 8
CD11b + BCL2	49 ± 65	41 ± 64	42 ± 64	70 ± 70	324 ± 541
CD11b + CCR6	130 ± 214	105 ± 214	109 ± 212	181 ± 247	345 ± 474
CD11b + CD11a	338 ± 537	304 ± 553	314 ± 547	390 ± 525	704 ± 664
CD11b + CD120a	2 ± 4	0 ± 0	0 ± 0	1 ± 1	10 ± 22
CD11b + CD120b	44 ± 96	34 ± 98	37 ± 97	47 ± 96	295 ± 515
CD11b + CD138	1 ± 2	1 ± 2	2 ± 2	1 ± 2	2 ± 2
CD11b + CD15	6 ± 12	0 ± 1	1 ± 3	4 ± 7	2 ± 3
CD11b + CD1a	4 ± 10	4 ± 10	4 ± 10	4 ± 10	19 ± 25
CD11b + CD2	336 ± 541	310 ± 554	319 ± 549	422 ± 536	810 ± 810
CD11b + CD207	16 ± 43	16 ± 43	16 ± 43	22 ± 43	42 ± 58
CD11b + CD24	5 ± 4	4 ± 5	6 ± 7	11 ± 22	6 ± 4
CD11b + CD28	245 ± 438	216 ± 450	225 ± 446	283 ± 429	647 ± 741
CD11b + CD29	66 ± 64	52 ± 71	55 ± 69	75 ± 67	88 ± 62
CD11b + CD3	360 ± 544	318 ± 564	328 ± 558	435 ± 546	852 ± 860
CD11b + CD31	7 ± 10	4 ± 10	4 ± 9	4 ± 9	12 ± 10
CD11b + CD4	360 ± 561	326 ± 579	334 ± 574	431 ± 553	839 ± 850
CD11b + CD44	332 ± 450	301 ± 466	309 ± 461	416 ± 450	647 ± 497
CD11b + CD45	308 ± 473	273 ± 488	284 ± 482	379 ± 470	677 ± 632
CD11b + CD45RA	105 ± 165	96 ± 170	100 ± 168	124 ± 163	225 ± 224
CD11b + CD45RO	192 ± 386	172 ± 394	182 ± 390	256 ± 386	613 ± 778
CD11b + CD52	263 ± 494	233 ± 505	241 ± 502	318 ± 488	628 ± 728
CD11b + CD54	296 ± 476	258 ± 493	269 ± 487	316 ± 470	665 ± 688
CD11b + CD56	5 ± 9	5 ± 9	4 ± 9	5 ± 9	15 ± 14
CD11b + CD58	54 ± 120	50 ± 122	50 ± 122	62 ± 119	293 ± 438
CD11b + CD62E	2 ± 3	0 ± 0	0 ± 0	0 ± 0	2 ± 4
CD11b + CD62P	2 ± 3	0 ± 1	0 ± 1	0 ± 1	1 ± 3
CD11b + CD68	161 ± 370	155 ± 372	156 ± 372	180 ± 363	397 ± 526
CD11b + CD7	196 ± 375	179 ± 382	190 ± 377	275 ± 381	510 ± 544
CD11b + CD8a	106 ± 188	97 ± 192	99 ± 191	143 ± 197	335 ± 385
CD11b + CK14	4 ± 8	4 ± 8	4 ± 8	4 ± 8	4 ± 8
CD11b + CLA	98 ± 126	89 ± 130	93 ± 128	137 ± 137	168 ± 117
CD11b + c-myc	7 ± 15	8 ± 15	7 ± 15	7 ± 15	10 ± 15
CD11b + Collagen IV	20 ± 30	20 ± 31	20 ± 31	26 ± 29	34 ± 27
CD11b + FXIIIA	36 ± 33	32 ± 36	33 ± 35	44 ± 31	192 ± 266
CD11b + HLA-DR	328 ± 428	298 ± 447	303 ± 443	392 ± 421	630 ± 477
CD11b + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	4 ± 5
CD11b + IL-23R	9 ± 16	4 ± 7	2 ± 6	4 ± 6	39 ± 76
CD11b + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + PI	305 ± 437	274 ± 453	281 ± 449	353 ± 433	680 ± 599
CD11b + Podoplanin	27 ± 55	26 ± 56	26 ± 56	30 ± 54	43 ± 64
CD11b + SNA1	86 ± 99	77 ± 104	81 ± 101	105 ± 104	131 ± 88
CD11b + STAT3	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD11b + TIA1	51 ± 96	41 ± 99	44 ± 98	61 ± 98	101 ± 112
CD11b + Vimentin	238 ± 446	219 ± 454	223 ± 452	273 ± 439	414 ± 465

Tabelle 742: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	9 ± 27	9 ± 27	10 ± 27	10 ± 27	15 ± 29
CD120a + CCR6	1 ± 1	1 ± 1	1 ± 1	3 ± 4	5 ± 10
CD120a + CD11a	18 ± 39	13 ± 38	14 ± 38	15 ± 38	22 ± 40
CD120a + CD11b	2 ± 4	0 ± 0	0 ± 0	1 ± 1	10 ± 22
CD120a + CD120b	2 ± 4	0 ± 1	1 ± 2	0 ± 1	9 ± 21
CD120a + CD138	9 ± 28	9 ± 28	9 ± 28	9 ± 28	9 ± 28
CD120a + CD15	2 ± 5	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD120a + CD1a	15 ± 41	14 ± 41	14 ± 41	14 ± 41	14 ± 41
CD120a + CD2	19 ± 43	15 ± 44	15 ± 43	17 ± 43	25 ± 45
CD120a + CD207	29 ± 82	28 ± 83	28 ± 83	28 ± 83	28 ± 83
CD120a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD28	13 ± 22	6 ± 16	6 ± 16	7 ± 15	16 ± 25
CD120a + CD29	7 ± 15	5 ± 15	5 ± 15	5 ± 15	6 ± 15
CD120a + CD3	17 ± 29	9 ± 26	10 ± 26	12 ± 25	21 ± 33
CD120a + CD31	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD4	15 ± 26	8 ± 22	8 ± 22	10 ± 22	19 ± 31
CD120a + CD44	34 ± 83	29 ± 84	29 ± 84	31 ± 83	37 ± 83
CD120a + CD45	19 ± 41	14 ± 41	15 ± 41	16 ± 40	24 ± 43
CD120a + CD45RA	1 ± 4	0 ± 0	0 ± 0	0 ± 1	4 ± 9
CD120a + CD45RO	5 ± 8	2 ± 5	3 ± 5	4 ± 5	13 ± 24
CD120a + CD52	5 ± 10	0 ± 1	1 ± 1	2 ± 3	11 ± 24
CD120a + CD54	6 ± 12	0 ± 1	0 ± 1	2 ± 2	10 ± 22
CD120a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD58	15 ± 39	13 ± 39	13 ± 39	14 ± 39	21 ± 41
CD120a + CD62E	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD68	17 ± 51	17 ± 51	17 ± 51	17 ± 51	19 ± 51
CD120a + CD7	7 ± 13	4 ± 10	4 ± 10	5 ± 10	13 ± 22
CD120a + CD8a	2 ± 6	0 ± 1	0 ± 1	1 ± 2	7 ± 15
CD120a + CK14	26 ± 79	26 ± 79	26 ± 79	26 ± 79	26 ± 79
CD120a + CLA	13 ± 39	13 ± 39	13 ± 39	14 ± 39	14 ± 39
CD120a + c-myc	13 ± 38	13 ± 38	13 ± 38	13 ± 38	13 ± 38
CD120a + Collagen IV	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD120a + HLA-DR	35 ± 82	28 ± 83	29 ± 83	29 ± 83	36 ± 82
CD120a + IL-22R	21 ± 63	21 ± 63	21 ± 63	21 ± 63	21 ± 62
CD120a + IL-23R	6 ± 11	3 ± 10	3 ± 10	3 ± 10	6 ± 11
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	13 ± 31	11 ± 32	11 ± 32	12 ± 32	17 ± 32
CD120a + Podoplanin	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 1
CD120a + SNA1	5 ± 10	1 ± 4	2 ± 4	2 ± 4	4 ± 7
CD120a + STAT3	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
CD120a + TIA1	1 ± 4	0 ± 0	0 ± 0	0 ± 1	1 ± 3
CD120a + Vimentin	21 ± 56	19 ± 56	20 ± 56	21 ± 56	23 ± 55

Tabelle 743: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	5 ± 13	0 ± 1	0 ± 1	0 ± 1	18 ± 53
CD120b + BCL2	44 ± 67	10 ± 25	21 ± 31	79 ± 127	423 ± 814
CD120b + CCR6	76 ± 117	32 ± 83	45 ± 83	123 ± 153	391 ± 733
CD120b + CD11a	196 ± 309	68 ± 174	93 ± 171	215 ± 275	702 ± 1225
CD120b + CD11b	44 ± 96	34 ± 98	37 ± 97	47 ± 96	295 ± 515
CD120b + CD120a	2 ± 4	0 ± 1	1 ± 2	0 ± 1	9 ± 21
CD120b + CD138	1 ± 2	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD120b + CD15	1 ± 4	0 ± 0	0 ± 0	0 ± 1	1 ± 3
CD120b + CD1a	11 ± 20	5 ± 13	5 ± 13	9 ± 14	54 ± 110
CD120b + CD2	176 ± 266	67 ± 172	89 ± 170	204 ± 252	747 ± 1314
CD120b + CD207	15 ± 27	10 ± 27	12 ± 27	23 ± 35	75 ± 150
CD120b + CD24	8 ± 8	5 ± 8	6 ± 8	13 ± 15	8 ± 7
CD120b + CD28	193 ± 308	63 ± 167	87 ± 164	204 ± 260	746 ± 1318
CD120b + CD29	41 ± 54	14 ± 27	15 ± 27	39 ± 60	55 ± 74
CD120b + CD3	209 ± 338	70 ± 177	97 ± 175	219 ± 276	757 ± 1323
CD120b + CD31	4 ± 11	0 ± 1	0 ± 1	1 ± 2	32 ± 64
CD120b + CD4	204 ± 332	69 ± 175	93 ± 173	210 ± 262	761 ± 1336
CD120b + CD44	161 ± 246	59 ± 144	84 ± 143	203 ± 256	507 ± 879
CD120b + CD45	191 ± 298	65 ± 167	89 ± 164	212 ± 266	708 ± 1237
CD120b + CD45RA	39 ± 63	14 ± 33	17 ± 32	41 ± 52	149 ± 269
CD120b + CD45RO	150 ± 238	55 ± 157	77 ± 156	187 ± 250	715 ± 1281
CD120b + CD52	157 ± 235	59 ± 163	79 ± 161	195 ± 260	699 ± 1239
CD120b + CD54	183 ± 291	57 ± 152	75 ± 149	189 ± 258	548 ± 944
CD120b + CD56	2 ± 3	1 ± 2	1 ± 2	1 ± 2	5 ± 9
CD120b + CD58	67 ± 135	22 ± 63	23 ± 62	64 ± 115	462 ± 866
CD120b + CD62E	1 ± 2	0 ± 0	0 ± 0	0 ± 1	3 ± 8
CD120b + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 4
CD120b + CD68	42 ± 70	22 ± 62	23 ± 62	37 ± 63	136 ± 227
CD120b + CD7	130 ± 196	58 ± 159	82 ± 158	204 ± 266	613 ± 1072
CD120b + CD8a	58 ± 96	34 ± 95	39 ± 93	88 ± 112	355 ± 632
CD120b + CK14	4 ± 8	2 ± 4	2 ± 4	3 ± 5	2 ± 4
CD120b + CLA	41 ± 62	22 ± 53	29 ± 53	79 ± 123	130 ± 229
CD120b + c-myc	3 ± 7	0 ± 1	1 ± 3	1 ± 1	2 ± 2
CD120b + Collagen IV	11 ± 25	3 ± 7	3 ± 7	11 ± 17	28 ± 49
CD120b + FXIIIA	7 ± 18	0 ± 1	1 ± 1	2 ± 3	51 ± 101
CD120b + HLA-DR	154 ± 264	48 ± 117	68 ± 116	159 ± 214	426 ± 752
CD120b + IL-22R	2 ± 2	1 ± 2	1 ± 2	2 ± 2	5 ± 8
CD120b + IL-23R	12 ± 32	1 ± 1	1 ± 1	1 ± 2	23 ± 47
CD120b + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + PI	143 ± 220	49 ± 131	66 ± 128	150 ± 200	602 ± 1071
CD120b + Podoplanin	10 ± 20	8 ± 20	8 ± 20	16 ± 21	32 ± 57
CD120b + SNA1	50 ± 98	15 ± 32	25 ± 35	28 ± 37	58 ± 82
CD120b + STAT3	2 ± 5	0 ± 1	0 ± 1	0 ± 1	2 ± 3
CD120b + TIA1	25 ± 36	10 ± 28	12 ± 27	27 ± 40	67 ± 110
CD120b + Vimentin	117 ± 199	39 ± 111	54 ± 110	108 ± 143	186 ± 310

Tabelle 744: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	2 ± 3	1 ± 2	1 ± 2	6 ± 17	1 ± 2
CD138 + BCL2	36 ± 102	34 ± 102	35 ± 102	37 ± 101	35 ± 102
CD138 + CCR6	4 ± 5	1 ± 2	2 ± 2	8 ± 17	1 ± 2
CD138 + CD11a	25 ± 43	13 ± 34	14 ± 34	20 ± 35	14 ± 34
CD138 + CD11b	1 ± 2	1 ± 2	2 ± 2	1 ± 2	2 ± 2
CD138 + CD120a	9 ± 28	9 ± 28	9 ± 28	9 ± 28	9 ± 28
CD138 + CD120b	1 ± 2	0 ± 1	1 ± 1	0 ± 1	1 ± 1
CD138 + CD15	1 ± 2	0 ± 1	0 ± 1	4 ± 12	0 ± 1
CD138 + CD1a	18 ± 43	15 ± 43	16 ± 43	15 ± 43	15 ± 43
CD138 + CD2	24 ± 39	12 ± 28	13 ± 27	16 ± 27	13 ± 27
CD138 + CD207	43 ± 122	42 ± 122	42 ± 122	42 ± 122	42 ± 122
CD138 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD28	14 ± 29	4 ± 9	5 ± 9	8 ± 11	5 ± 9
CD138 + CD29	27 ± 58	23 ± 59	23 ± 59	29 ± 59	23 ± 59
CD138 + CD3	22 ± 39	9 ± 18	10 ± 17	14 ± 20	9 ± 18
CD138 + CD31	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD138 + CD4	19 ± 33	7 ± 14	8 ± 13	8 ± 13	7 ± 13
CD138 + CD44	68 ± 162	57 ± 163	58 ± 163	61 ± 162	57 ± 163
CD138 + CD45	21 ± 35	10 ± 24	11 ± 24	14 ± 25	10 ± 24
CD138 + CD45RA	1 ± 3	1 ± 2	1 ± 2	6 ± 13	1 ± 2
CD138 + CD45RO	13 ± 26	3 ± 6	4 ± 6	10 ± 17	3 ± 6
CD138 + CD52	3 ± 5	2 ± 3	2 ± 2	8 ± 17	1 ± 2
CD138 + CD54	6 ± 11	3 ± 7	3 ± 6	6 ± 9	3 ± 7
CD138 + CD56	2 ± 4	1 ± 3	1 ± 2	7 ± 17	1 ± 2
CD138 + CD58	51 ± 100	30 ± 86	31 ± 85	33 ± 85	30 ± 86
CD138 + CD62E	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD68	12 ± 27	12 ± 27	11 ± 27	17 ± 29	11 ± 27
CD138 + CD7	6 ± 12	1 ± 2	2 ± 2	5 ± 8	2 ± 2
CD138 + CD8a	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD138 + CK14	83 ± 179	62 ± 176	64 ± 176	63 ± 176	62 ± 176
CD138 + CLA	13 ± 34	12 ± 35	12 ± 34	14 ± 34	12 ± 35
CD138 + c-myc	51 ± 146	50 ± 146	50 ± 146	55 ± 145	49 ± 146
CD138 + Collagen IV	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + FXIIIA	2 ± 3	2 ± 3	1 ± 2	7 ± 16	1 ± 2
CD138 + HLA-DR	60 ± 139	49 ± 140	50 ± 139	54 ± 138	49 ± 140
CD138 + IL-22R	49 ± 137	47 ± 138	47 ± 138	47 ± 138	47 ± 138
CD138 + IL-23R	8 ± 15	5 ± 13	5 ± 13	5 ± 13	5 ± 13
CD138 + Ki67	1 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD138 + PI	15 ± 26	8 ± 19	8 ± 19	13 ± 23	8 ± 19
CD138 + Podoplanin	4 ± 6	3 ± 5	3 ± 5	8 ± 16	2 ± 5
CD138 + SNA1	8 ± 18	2 ± 3	2 ± 2	1 ± 3	1 ± 3
CD138 + STAT3	22 ± 39	13 ± 34	12 ± 34	18 ± 36	12 ± 34
CD138 + TIA1	1 ± 2	1 ± 2	1 ± 2	4 ± 10	1 ± 2
CD138 + Vimentin	21 ± 35	14 ± 32	14 ± 32	17 ± 32	13 ± 32

Tabelle 745: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	1 ± 1	0 ± 0	0 ± 0	5 ± 15	0 ± 0
CD15 + BCL2	2 ± 3	1 ± 3	2 ± 3	3 ± 6	2 ± 3
CD15 + CCR6	1 ± 2	0 ± 1	1 ± 1	8 ± 19	1 ± 2
CD15 + CD11a	6 ± 10	1 ± 2	2 ± 3	10 ± 24	2 ± 3
CD15 + CD11b	6 ± 12	0 ± 1	1 ± 3	4 ± 7	2 ± 3
CD15 + CD120a	2 ± 5	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD15 + CD120b	1 ± 4	0 ± 0	0 ± 0	0 ± 1	1 ± 3
CD15 + CD138	1 ± 2	0 ± 1	0 ± 1	4 ± 12	0 ± 1
CD15 + CD1a	1 ± 3	1 ± 3	1 ± 3	1 ± 2	1 ± 3
CD15 + CD2	6 ± 6	2 ± 4	3 ± 4	8 ± 12	3 ± 4
CD15 + CD207	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD15 + CD24	0 ± 1	0 ± 0	0 ± 1	0 ± 0	1 ± 2
CD15 + CD28	4 ± 8	0 ± 1	1 ± 1	6 ± 13	1 ± 2
CD15 + CD29	4 ± 6	0 ± 0	0 ± 0	6 ± 18	1 ± 2
CD15 + CD3	9 ± 15	1 ± 2	3 ± 3	9 ± 20	3 ± 4
CD15 + CD31	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD4	9 ± 13	1 ± 2	2 ± 2	5 ± 7	3 ± 3
CD15 + CD44	6 ± 6	2 ± 3	3 ± 3	10 ± 19	4 ± 4
CD15 + CD45	6 ± 8	1 ± 2	3 ± 3	9 ± 19	3 ± 4
CD15 + CD45RA	3 ± 4	0 ± 1	0 ± 1	6 ± 17	1 ± 2
CD15 + CD45RO	4 ± 8	0 ± 0	1 ± 2	9 ± 23	1 ± 2
CD15 + CD52	5 ± 10	0 ± 0	1 ± 1	9 ± 25	1 ± 2
CD15 + CD54	6 ± 10	1 ± 2	2 ± 2	7 ± 15	1 ± 2
CD15 + CD56	1 ± 2	0 ± 0	0 ± 0	5 ± 15	0 ± 0
CD15 + CD58	2 ± 3	1 ± 2	1 ± 2	4 ± 8	1 ± 2
CD15 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD15 + CD62P	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD68	2 ± 3	1 ± 3	2 ± 3	7 ± 14	2 ± 3
CD15 + CD7	2 ± 3	1 ± 2	1 ± 2	7 ± 16	2 ± 3
CD15 + CD8a	1 ± 2	0 ± 1	0 ± 1	2 ± 3	1 ± 2
CD15 + CK14	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD15 + CLA	3 ± 5	1 ± 2	1 ± 2	5 ± 9	1 ± 2
CD15 + c-myc	2 ± 4	1 ± 4	1 ± 4	6 ± 15	1 ± 4
CD15 + Collagen IV	1 ± 3	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD15 + FXIIIA	2 ± 5	0 ± 0	1 ± 2	7 ± 19	0 ± 0
CD15 + HLA-DR	8 ± 10	2 ± 4	3 ± 4	10 ± 20	4 ± 4
CD15 + IL-22R	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD15 + IL-23R	4 ± 7	0 ± 0	0 ± 1	0 ± 1	0 ± 0
CD15 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + PI	7 ± 13	1 ± 2	2 ± 3	8 ± 20	3 ± 3
CD15 + Podoplanin	0 ± 1	0 ± 0	0 ± 0	5 ± 15	0 ± 0
CD15 + SNA1	3 ± 6	0 ± 1	1 ± 1	1 ± 2	1 ± 3
CD15 + STAT3	1 ± 2	0 ± 0	0 ± 0	5 ± 15	0 ± 0
CD15 + TIA1	4 ± 11	0 ± 0	1 ± 3	6 ± 16	1 ± 2
CD15 + Vimentin	4 ± 4	1 ± 3	2 ± 3	5 ± 8	2 ± 2

Tabelle 746: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	18 ± 42	16 ± 43	16 ± 43	20 ± 42	43 ± 74
CD1a + CCR6	6 ± 9	4 ± 9	4 ± 9	11 ± 15	28 ± 43
CD1a + CD11a	34 ± 45	19 ± 31	19 ± 31	30 ± 35	81 ± 109
CD1a + CD11b	4 ± 10	4 ± 10	4 ± 10	4 ± 10	19 ± 25
CD1a + CD120a	15 ± 41	14 ± 41	14 ± 41	14 ± 41	14 ± 41
CD1a + CD120b	11 ± 20	5 ± 13	5 ± 13	9 ± 14	54 ± 110
CD1a + CD138	18 ± 43	15 ± 43	16 ± 43	15 ± 43	15 ± 43
CD1a + CD15	1 ± 3	1 ± 3	1 ± 3	1 ± 2	1 ± 3
CD1a + CD2	35 ± 47	20 ± 33	20 ± 33	29 ± 32	83 ± 109
CD1a + CD207	42 ± 82	34 ± 83	35 ± 83	41 ± 81	85 ± 115
CD1a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD1a + CD28	28 ± 42	13 ± 20	13 ± 20	22 ± 25	77 ± 111
CD1a + CD29	10 ± 20	8 ± 20	8 ± 20	10 ± 20	18 ± 30
CD1a + CD3	33 ± 46	16 ± 26	17 ± 25	29 ± 31	81 ± 110
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD1a + CD4	31 ± 45	15 ± 23	16 ± 23	26 ± 30	80 ± 110
CD1a + CD44	45 ± 80	36 ± 81	36 ± 80	48 ± 79	88 ± 101
CD1a + CD45	35 ± 46	21 ± 37	22 ± 36	33 ± 39	84 ± 110
CD1a + CD45RA	2 ± 6	0 ± 1	0 ± 1	1 ± 1	3 ± 6
CD1a + CD45RO	20 ± 34	8 ± 17	8 ± 17	18 ± 27	65 ± 110
CD1a + CD52	15 ± 21	9 ± 19	9 ± 18	21 ± 30	69 ± 107
CD1a + CD54	23 ± 39	10 ± 20	10 ± 19	21 ± 30	67 ± 94
CD1a + CD56	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	34 ± 57	20 ± 49	21 ± 48	22 ± 48	76 ± 98
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	17 ± 41	16 ± 42	16 ± 42	17 ± 41	18 ± 41
CD1a + CD7	22 ± 35	9 ± 16	9 ± 16	20 ± 26	64 ± 94
CD1a + CD8a	9 ± 12	6 ± 12	6 ± 12	12 ± 14	24 ± 30
CD1a + CK14	34 ± 82	28 ± 82	29 ± 82	28 ± 82	28 ± 82
CD1a + CLA	12 ± 24	11 ± 25	11 ± 25	21 ± 30	50 ± 75
CD1a + c-myc	20 ± 58	20 ± 58	20 ± 58	20 ± 58	20 ± 58
CD1a + Collagen IV	0 ± 0	0 ± 0	0 ± 0	1 ± 3	1 ± 2
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD1a + HLA-DR	47 ± 77	33 ± 74	34 ± 74	43 ± 73	83 ± 102
CD1a + IL-22R	26 ± 72	25 ± 73	25 ± 73	25 ± 73	25 ± 73
CD1a + IL-23R	8 ± 15	4 ± 12	4 ± 12	4 ± 12	5 ± 12
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + PI	22 ± 26	14 ± 21	14 ± 21	21 ± 22	68 ± 101
CD1a + Podoplanin	2 ± 3	1 ± 3	1 ± 3	5 ± 12	2 ± 4
CD1a + SNA1	12 ± 22	4 ± 7	5 ± 7	6 ± 7	6 ± 7
CD1a + STAT3	9 ± 18	4 ± 12	4 ± 12	4 ± 12	4 ± 12
CD1a + TIA1	3 ± 7	0 ± 1	1 ± 1	2 ± 3	2 ± 3
CD1a + Vimentin	28 ± 43	19 ± 40	19 ± 39	25 ± 39	34 ± 40

Tabelle 747: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	28 ± 59	7 ± 11	7 ± 10	14 ± 20	63 ± 149
CD2 + BCL2	243 ± 228	143 ± 219	237 ± 264	672 ± 944	746 ± 1099
CD2 + CCR6	376 ± 391	233 ± 405	317 ± 380	1110 ± 1452	804 ± 1077
CD2 + CD11a	1154 ± 1200	765 ± 1206	943 ± 1128	2240 ± 2477	1804 ± 1682
CD2 + CD11b	336 ± 541	310 ± 554	319 ± 549	422 ± 536	810 ± 810
CD2 + CD120a	19 ± 43	15 ± 44	15 ± 43	17 ± 43	25 ± 45
CD2 + CD120b	176 ± 266	67 ± 172	89 ± 170	204 ± 252	747 ± 1314
CD2 + CD138	24 ± 39	12 ± 28	13 ± 27	16 ± 27	13 ± 27
CD2 + CD15	6 ± 6	2 ± 4	3 ± 4	8 ± 12	3 ± 4
CD2 + CD1a	35 ± 47	20 ± 33	20 ± 33	29 ± 32	83 ± 109
CD2 + CD207	82 ± 106	68 ± 112	78 ± 106	117 ± 127	160 ± 163
CD2 + CD24	10 ± 12	7 ± 12	10 ± 13	20 ± 32	9 ± 11
CD2 + CD28	958 ± 1083	586 ± 1035	738 ± 986	1767 ± 2066	1754 ± 1961
CD2 + CD29	174 ± 169	87 ± 122	98 ± 115	253 ± 358	194 ± 150
CD2 + CD3	1253 ± 1319	810 ± 1277	998 ± 1193	2350 ± 2463	2089 ± 2045
CD2 + CD31	29 ± 54	9 ± 15	10 ± 14	19 ± 19	98 ± 175
CD2 + CD4	1200 ± 1308	788 ± 1273	951 ± 1195	2176 ± 2272	2074 ± 2097
CD2 + CD44	973 ± 920	696 ± 1001	876 ± 917	2000 ± 2067	1522 ± 1241
CD2 + CD45	1042 ± 1076	689 ± 1107	864 ± 1032	2188 ± 2438	1701 ± 1598
CD2 + CD45RA	236 ± 267	146 ± 260	168 ± 250	404 ± 433	355 ± 359
CD2 + CD45RO	684 ± 879	408 ± 827	561 ± 798	1643 ± 2170	1521 ± 1948
CD2 + CD52	908 ± 1103	600 ± 1131	754 ± 1083	1896 ± 2301	1675 ± 1817
CD2 + CD54	883 ± 947	551 ± 944	657 ± 893	1709 ± 2088	1302 ± 1230
CD2 + CD56	12 ± 22	4 ± 7	9 ± 8	22 ± 29	13 ± 14
CD2 + CD58	230 ± 352	123 ± 239	125 ± 238	437 ± 845	716 ± 1033
CD2 + CD62E	4 ± 7	3 ± 7	3 ± 7	3 ± 7	13 ± 25
CD2 + CD62P	4 ± 9	4 ± 9	4 ± 9	4 ± 9	12 ± 21
CD2 + CD68	246 ± 441	205 ± 453	234 ± 442	508 ± 649	482 ± 605
CD2 + CD7	637 ± 740	450 ± 792	596 ± 753	1695 ± 2065	1243 ± 1248
CD2 + CD8a	339 ± 390	254 ± 422	300 ± 402	749 ± 802	741 ± 768
CD2 + CK14	75 ± 147	61 ± 147	61 ± 147	64 ± 146	62 ± 147
CD2 + CLA	305 ± 255	245 ± 293	297 ± 264	635 ± 610	446 ± 280
CD2 + c-myc	24 ± 47	18 ± 47	18 ± 47	28 ± 51	21 ± 46
CD2 + Collagen IV	70 ± 102	37 ± 63	42 ± 61	126 ± 166	108 ± 100
CD2 + FXIIIA	36 ± 45	32 ± 47	41 ± 45	145 ± 208	201 ± 276
CD2 + HLA-DR	934 ± 891	633 ± 897	762 ± 830	1603 ± 1651	1332 ± 1076
CD2 + IL-22R	29 ± 72	27 ± 72	27 ± 72	29 ± 72	32 ± 71
CD2 + IL-23R	25 ± 63	3 ± 5	3 ± 5	10 ± 17	50 ± 99
CD2 + Ki67	3 ± 6	3 ± 6	3 ± 6	5 ± 6	3 ± 6
CD2 + PI	1031 ± 1078	708 ± 1125	849 ± 1052	1824 ± 1851	1720 ± 1592
CD2 + Podoplanin	70 ± 143	59 ± 145	61 ± 144	106 ± 148	95 ± 151
CD2 + SNA1	233 ± 301	123 ± 184	172 ± 173	215 ± 167	227 ± 181
CD2 + STAT3	15 ± 29	4 ± 6	5 ± 6	15 ± 22	7 ± 8
CD2 + TIA1	117 ± 143	74 ± 148	84 ± 144	169 ± 205	170 ± 172
CD2 + Vimentin	663 ± 816	413 ± 751	529 ± 709	1208 ± 1373	744 ± 775

Tabelle 748: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD207 + BCL2	48 ± 115	44 ± 117	49 ± 115	62 ± 118	81 ± 136
CD207 + CCR6	14 ± 19	9 ± 19	14 ± 19	44 ± 74	43 ± 59
CD207 + CD11a	80 ± 109	68 ± 115	78 ± 110	134 ± 170	156 ± 167
CD207 + CD11b	16 ± 43	16 ± 43	16 ± 43	22 ± 43	42 ± 58
CD207 + CD120a	29 ± 82	28 ± 83	28 ± 83	28 ± 83	28 ± 83
CD207 + CD120b	15 ± 27	10 ± 27	12 ± 27	23 ± 35	75 ± 150
CD207 + CD138	43 ± 122	42 ± 122	42 ± 122	42 ± 122	42 ± 122
CD207 + CD15	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CD207 + CD1a	42 ± 82	34 ± 83	35 ± 83	41 ± 81	85 ± 115
CD207 + CD2	82 ± 106	68 ± 112	78 ± 106	117 ± 127	160 ± 163
CD207 + CD24	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD207 + CD28	56 ± 64	43 ± 68	51 ± 64	90 ± 114	136 ± 155
CD207 + CD29	24 ± 59	22 ± 60	22 ± 59	30 ± 60	35 ± 64
CD207 + CD3	71 ± 84	57 ± 89	68 ± 83	127 ± 163	151 ± 156
CD207 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD207 + CD4	67 ± 77	53 ± 82	63 ± 76	117 ± 147	147 ± 155
CD207 + CD44	126 ± 270	118 ± 274	129 ± 269	188 ± 289	195 ± 267
CD207 + CD45	74 ± 95	62 ± 100	72 ± 94	130 ± 162	153 ± 159
CD207 + CD45RA	3 ± 6	1 ± 3	2 ± 5	6 ± 9	9 ± 13
CD207 + CD45RO	40 ± 56	28 ± 57	38 ± 55	86 ± 139	107 ± 153
CD207 + CD52	37 ± 62	31 ± 65	41 ± 62	102 ± 173	120 ± 156
CD207 + CD54	46 ± 62	33 ± 64	43 ± 61	99 ± 166	113 ± 128
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD207 + CD58	52 ± 113	45 ± 114	46 ± 114	50 ± 112	115 ± 148
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	42 ± 91	41 ± 91	41 ± 91	50 ± 89	47 ± 90
CD207 + CD7	40 ± 50	28 ± 51	36 ± 48	87 ± 136	106 ± 130
CD207 + CD8a	12 ± 16	9 ± 17	13 ± 15	27 ± 34	38 ± 49
CD207 + CK14	94 ± 271	91 ± 272	92 ± 271	91 ± 272	91 ± 272
CD207 + CLA	40 ± 87	37 ± 89	43 ± 86	82 ± 125	87 ± 110
CD207 + c-myc	54 ± 162	54 ± 162	54 ± 162	55 ± 162	54 ± 162
CD207 + Collagen IV	1 ± 2	1 ± 2	1 ± 2	7 ± 19	1 ± 3
CD207 + FXIIIA	0 ± 1	0 ± 1	1 ± 1	5 ± 12	3 ± 5
CD207 + HLA-DR	120 ± 248	109 ± 252	118 ± 249	168 ± 263	183 ± 250
CD207 + IL-22R	72 ± 210	71 ± 210	71 ± 210	71 ± 210	71 ± 210
CD207 + IL-23R	8 ± 17	5 ± 16	5 ± 16	7 ± 16	6 ± 16
CD207 + Ki67	1 ± 4	1 ± 4	1 ± 4	3 ± 6	1 ± 4
CD207 + PI	59 ± 89	53 ± 93	60 ± 89	103 ± 129	135 ± 149
CD207 + Podoplanin	6 ± 14	5 ± 14	5 ± 14	20 ± 45	6 ± 14
CD207 + SNA1	13 ± 18	7 ± 13	11 ± 12	17 ± 22	9 ± 12
CD207 + STAT3	12 ± 24	8 ± 24	8 ± 24	9 ± 24	8 ± 24
CD207 + TIA1	3 ± 6	1 ± 2	1 ± 2	8 ± 16	3 ± 4
CD207 + Vimentin	65 ± 107	57 ± 110	62 ± 107	91 ± 117	78 ± 103

Tabelle 749: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	1 ± 1	1 ± 1	1 ± 1	3 ± 7	1 ± 1
CD24 + CCR6	5 ± 7	2 ± 3	3 ± 4	11 ± 24	3 ± 3
CD24 + CD11a	11 ± 11	8 ± 12	11 ± 13	23 ± 27	9 ± 11
CD24 + CD11b	5 ± 4	4 ± 5	6 ± 7	11 ± 22	6 ± 4
CD24 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD120b	8 ± 8	5 ± 8	6 ± 8	13 ± 15	8 ± 7
CD24 + CD138	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CD15	0 ± 1	0 ± 0	0 ± 1	0 ± 0	1 ± 2
CD24 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD2	10 ± 12	7 ± 12	10 ± 13	20 ± 32	9 ± 11
CD24 + CD207	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD24 + CD28	10 ± 11	7 ± 11	9 ± 11	19 ± 23	9 ± 10
CD24 + CD29	7 ± 8	6 ± 7	6 ± 7	12 ± 11	7 ± 7
CD24 + CD3	12 ± 12	9 ± 13	12 ± 14	26 ± 34	12 ± 11
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	10 ± 11	8 ± 12	9 ± 11	18 ± 27	10 ± 10
CD24 + CD44	12 ± 12	9 ± 13	12 ± 13	26 ± 34	13 ± 11
CD24 + CD45	11 ± 12	8 ± 12	11 ± 13	24 ± 32	10 ± 11
CD24 + CD45RA	4 ± 5	4 ± 5	5 ± 5	10 ± 11	6 ± 4
CD24 + CD45RO	4 ± 5	2 ± 3	5 ± 8	13 ± 23	3 ± 3
CD24 + CD52	9 ± 12	6 ± 12	9 ± 13	21 ± 30	8 ± 11
CD24 + CD54	9 ± 9	6 ± 9	9 ± 11	16 ± 18	8 ± 8
CD24 + CD56	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD24 + CD58	1 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 2
CD24 + CD62E	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD68	2 ± 2	1 ± 2	1 ± 2	3 ± 4	2 ± 2
CD24 + CD7	5 ± 6	3 ± 5	6 ± 8	17 ± 29	4 ± 5
CD24 + CD8a	3 ± 4	2 ± 4	4 ± 6	11 ± 18	3 ± 4
CD24 + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CLA	3 ± 3	2 ± 3	3 ± 4	9 ± 17	2 ± 2
CD24 + c-myc	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + Collagen IV	0 ± 1	0 ± 1	0 ± 1	2 ± 4	1 ± 1
CD24 + FXIIIA	1 ± 1	1 ± 1	1 ± 2	1 ± 2	1 ± 1
CD24 + HLA-DR	10 ± 8	7 ± 8	9 ± 9	22 ± 28	10 ± 6
CD24 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + IL-23R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + PI	9 ± 10	6 ± 10	9 ± 12	20 ± 25	9 ± 9
CD24 + Podoplanin	3 ± 5	3 ± 5	3 ± 5	4 ± 5	3 ± 5
CD24 + SNA1	5 ± 4	4 ± 5	5 ± 5	8 ± 13	5 ± 5
CD24 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + TIA1	2 ± 2	1 ± 2	2 ± 4	4 ± 8	1 ± 2
CD24 + Vimentin	1 ± 2	1 ± 2	3 ± 5	5 ± 10	1 ± 2

Tabelle 750: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	28 ± 67	4 ± 8	5 ± 7	15 ± 30	55 ± 137
CD28 + BCL2	186 ± 182	93 ± 158	180 ± 230	519 ± 764	657 ± 1051
CD28 + CCR6	317 ± 340	183 ± 346	260 ± 329	913 ± 1256	710 ± 1006
CD28 + CD11a	983 ± 1115	580 ± 1023	739 ± 973	1963 ± 2518	1588 ± 1685
CD28 + CD11b	245 ± 438	216 ± 450	225 ± 446	283 ± 429	647 ± 741
CD28 + CD120a	13 ± 22	6 ± 16	6 ± 16	7 ± 15	16 ± 25
CD28 + CD120b	193 ± 308	63 ± 167	87 ± 164	204 ± 260	746 ± 1318
CD28 + CD138	14 ± 29	4 ± 9	5 ± 9	8 ± 11	5 ± 9
CD28 + CD15	4 ± 8	0 ± 1	1 ± 1	6 ± 13	1 ± 2
CD28 + CD1a	28 ± 42	13 ± 20	13 ± 20	22 ± 25	77 ± 111
CD28 + CD2	958 ± 1083	586 ± 1035	738 ± 986	1767 ± 2066	1754 ± 1961
CD28 + CD207	56 ± 64	43 ± 68	51 ± 64	90 ± 114	136 ± 155
CD28 + CD24	10 ± 11	7 ± 11	9 ± 11	19 ± 23	9 ± 10
CD28 + CD29	141 ± 158	57 ± 86	67 ± 80	221 ± 371	153 ± 136
CD28 + CD3	1062 ± 1226	604 ± 1060	771 ± 1006	2002 ± 2519	1780 ± 1960
CD28 + CD31	28 ± 62	6 ± 10	7 ± 10	16 ± 20	83 ± 157
CD28 + CD4	1026 ± 1212	590 ± 1050	738 ± 998	1816 ± 2160	1787 ± 2009
CD28 + CD44	799 ± 829	502 ± 829	663 ± 781	1764 ± 2323	1268 ± 1249
CD28 + CD45	917 ± 1012	544 ± 954	699 ± 904	1920 ± 2471	1523 ± 1621
CD28 + CD45RA	199 ± 239	109 ± 214	127 ± 207	346 ± 421	304 ± 344
CD28 + CD45RO	616 ± 800	344 ± 721	478 ± 703	1465 ± 2114	1389 ± 1868
CD28 + CD52	808 ± 991	489 ± 964	631 ± 932	1744 ± 2422	1520 ± 1762
CD28 + CD54	783 ± 878	441 ± 801	533 ± 763	1595 ± 2189	1169 ± 1199
CD28 + CD56	10 ± 21	2 ± 6	4 ± 6	15 ± 22	13 ± 15
CD28 + CD58	217 ± 360	103 ± 217	105 ± 216	396 ± 795	694 ± 1032
CD28 + CD62E	2 ± 2	1 ± 1	1 ± 1	2 ± 4	10 ± 27
CD28 + CD62P	1 ± 2	1 ± 2	1 ± 2	2 ± 4	9 ± 23
CD28 + CD68	174 ± 336	131 ± 341	152 ± 336	311 ± 432	362 ± 506
CD28 + CD7	562 ± 665	372 ± 696	503 ± 672	1586 ± 2238	1145 ± 1249
CD28 + CD8a	281 ± 342	195 ± 365	235 ± 351	633 ± 807	654 ± 756
CD28 + CK14	30 ± 50	16 ± 37	17 ± 37	19 ± 37	18 ± 37
CD28 + CLA	198 ± 191	141 ± 214	186 ± 199	482 ± 657	325 ± 288
CD28 + c-myc	13 ± 21	7 ± 15	9 ± 14	17 ± 28	10 ± 14
CD28 + Collagen IV	69 ± 116	30 ± 58	33 ± 56	126 ± 211	95 ± 102
CD28 + FXIIIA	23 ± 26	14 ± 21	22 ± 20	79 ± 125	137 ± 220
CD28 + HLA-DR	755 ± 828	438 ± 720	559 ± 678	1393 ± 1900	1086 ± 1067
CD28 + IL-22R	11 ± 21	8 ± 21	8 ± 21	10 ± 21	13 ± 21
CD28 + IL-23R	30 ± 80	2 ± 3	2 ± 3	6 ± 9	44 ± 87
CD28 + Ki67	0 ± 1	0 ± 1	1 ± 1	2 ± 3	0 ± 1
CD28 + PI	833 ± 931	513 ± 906	636 ± 857	1522 ± 1929	1437 ± 1527
CD28 + Podoplanin	63 ± 143	56 ± 145	59 ± 144	108 ± 157	95 ± 154
CD28 + SNA1	198 ± 298	84 ± 141	126 ± 138	160 ± 128	176 ± 166
CD28 + STAT3	13 ± 28	3 ± 5	4 ± 5	9 ± 13	6 ± 8
CD28 + TIA1	97 ± 113	55 ± 112	62 ± 109	140 ± 197	139 ± 156
CD28 + Vimentin	517 ± 710	277 ± 593	372 ± 573	899 ± 1131	555 ± 695

Tabelle 751: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	42 ± 76	13 ± 19	17 ± 18	34 ± 58	62 ± 121
CD29 + BCL2	58 ± 60	26 ± 46	35 ± 45	114 ± 193	76 ± 93
CD29 + CCR6	65 ± 76	32 ± 54	39 ± 51	141 ± 220	48 ± 48
CD29 + CD11a	160 ± 156	78 ± 113	90 ± 106	278 ± 469	128 ± 100
CD29 + CD11b	66 ± 64	52 ± 71	55 ± 69	75 ± 67	88 ± 62
CD29 + CD120a	7 ± 15	5 ± 15	5 ± 15	5 ± 15	6 ± 15
CD29 + CD120b	41 ± 54	14 ± 27	15 ± 27	39 ± 60	55 ± 74
CD29 + CD138	27 ± 58	23 ± 59	23 ± 59	29 ± 59	23 ± 59
CD29 + CD15	4 ± 6	0 ± 0	0 ± 0	6 ± 18	1 ± 2
CD29 + CD1a	10 ± 20	8 ± 20	8 ± 20	10 ± 20	18 ± 30
CD29 + CD2	174 ± 169	87 ± 122	98 ± 115	253 ± 358	194 ± 150
CD29 + CD207	24 ± 59	22 ± 60	22 ± 59	30 ± 60	35 ± 64
CD29 + CD24	7 ± 8	6 ± 7	6 ± 7	12 ± 11	7 ± 7
CD29 + CD28	141 ± 158	57 ± 86	67 ± 80	221 ± 371	153 ± 136
CD29 + CD3	200 ± 212	95 ± 139	109 ± 131	298 ± 463	186 ± 131
CD29 + CD31	46 ± 71	20 ± 30	25 ± 28	31 ± 35	92 ± 141
CD29 + CD4	198 ± 204	99 ± 139	115 ± 128	245 ± 308	212 ± 159
CD29 + CD44	175 ± 131	117 ± 149	130 ± 139	315 ± 455	164 ± 121
CD29 + CD45	148 ± 136	71 ± 102	82 ± 95	263 ± 436	136 ± 86
CD29 + CD45RA	45 ± 39	21 ± 30	23 ± 29	58 ± 86	33 ± 24
CD29 + CD45RO	84 ± 103	36 ± 83	46 ± 80	218 ± 432	91 ± 89
CD29 + CD52	129 ± 151	49 ± 76	57 ± 73	250 ± 490	139 ± 132
CD29 + CD54	182 ± 164	98 ± 136	114 ± 126	279 ± 419	171 ± 115
CD29 + CD56	8 ± 11	4 ± 7	4 ± 6	24 ± 59	4 ± 6
CD29 + CD58	91 ± 132	45 ± 67	45 ± 66	76 ± 72	141 ± 157
CD29 + CD62E	11 ± 19	9 ± 19	10 ± 19	12 ± 20	19 ± 30
CD29 + CD62P	14 ± 22	12 ± 23	13 ± 23	15 ± 23	22 ± 30
CD29 + CD68	60 ± 71	46 ± 75	56 ± 71	116 ± 167	87 ± 92
CD29 + CD7	86 ± 76	46 ± 73	56 ± 68	211 ± 390	91 ± 73
CD29 + CD8a	49 ± 44	29 ± 42	30 ± 41	89 ± 136	48 ± 37
CD29 + CK14	41 ± 81	37 ± 83	37 ± 83	40 ± 82	37 ± 83
CD29 + CLA	54 ± 48	36 ± 52	39 ± 50	101 ± 162	55 ± 50
CD29 + c-myc	37 ± 82	33 ± 83	35 ± 82	53 ± 97	32 ± 83
CD29 + Collagen IV	61 ± 86	30 ± 36	34 ± 33	77 ± 111	77 ± 62
CD29 + FXIIIA	9 ± 9	8 ± 9	11 ± 10	44 ± 87	19 ± 14
CD29 + HLA-DR	187 ± 141	123 ± 149	136 ± 139	298 ± 417	187 ± 111
CD29 + IL-22R	22 ± 63	22 ± 63	22 ± 63	22 ± 63	23 ± 63
CD29 + IL-23R	17 ± 32	4 ± 9	6 ± 9	7 ± 9	17 ± 31
CD29 + Ki67	2 ± 4	1 ± 4	1 ± 4	3 ± 5	1 ± 4
CD29 + PI	159 ± 139	85 ± 108	96 ± 100	242 ± 369	179 ± 112
CD29 + Podoplanin	21 ± 33	18 ± 34	19 ± 33	45 ± 73	19 ± 34
CD29 + SNA1	104 ± 111	60 ± 69	71 ± 60	93 ± 67	100 ± 63
CD29 + STAT3	11 ± 20	10 ± 20	10 ± 20	23 ± 41	12 ± 20
CD29 + TIA1	19 ± 17	8 ± 13	8 ± 13	24 ± 40	11 ± 11
CD29 + Vimentin	124 ± 132	64 ± 94	78 ± 86	194 ± 290	95 ± 87

Tabelle 752: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	37 ± 76	9 ± 16	11 ± 15	26 ± 47	38 ± 69
CD3 + BCL2	238 ± 231	134 ± 211	235 ± 270	668 ± 954	722 ± 1077
CD3 + CCR6	403 ± 406	243 ± 415	339 ± 388	1257 ± 1649	835 ± 1109
CD3 + CD11a	1272 ± 1349	786 ± 1240	986 ± 1155	2629 ± 3266	1843 ± 1708
CD3 + CD11b	360 ± 544	318 ± 564	328 ± 558	435 ± 546	852 ± 860
CD3 + CD120a	17 ± 29	9 ± 26	10 ± 26	12 ± 25	21 ± 33
CD3 + CD120b	209 ± 338	70 ± 177	97 ± 175	219 ± 276	757 ± 1323
CD3 + CD138	22 ± 39	9 ± 18	10 ± 17	14 ± 20	9 ± 18
CD3 + CD15	9 ± 15	1 ± 2	3 ± 3	9 ± 20	3 ± 4
CD3 + CD1a	33 ± 46	16 ± 26	17 ± 25	29 ± 31	81 ± 110
CD3 + CD2	1253 ± 1319	810 ± 1277	998 ± 1193	2350 ± 2463	2089 ± 2045
CD3 + CD207	71 ± 84	57 ± 89	68 ± 83	127 ± 163	151 ± 156
CD3 + CD24	12 ± 12	9 ± 13	12 ± 14	26 ± 34	12 ± 11
CD3 + CD28	1062 ± 1226	604 ± 1060	771 ± 1006	2002 ± 2519	1780 ± 1960
CD3 + CD29	200 ± 212	95 ± 139	109 ± 131	298 ± 463	186 ± 131
CD3 + CD31	38 ± 70	12 ± 20	14 ± 18	24 ± 25	77 ± 117
CD3 + CD4	1361 ± 1523	820 ± 1307	1005 ± 1219	2405 ± 2607	2137 ± 2138
CD3 + CD44	1091 ± 1024	727 ± 1039	938 ± 944	2405 ± 2954	1603 ± 1311
CD3 + CD45	1140 ± 1172	706 ± 1124	902 ± 1040	2540 ± 3134	1733 ± 1607
CD3 + CD45RA	266 ± 298	155 ± 269	181 ± 256	466 ± 510	367 ± 359
CD3 + CD45RO	724 ± 936	403 ± 823	564 ± 795	1816 ± 2604	1531 ± 1978
CD3 + CD52	969 ± 1161	610 ± 1140	776 ± 1092	2252 ± 3114	1685 ± 1803
CD3 + CD54	1013 ± 1105	576 ± 965	694 ± 907	2021 ± 2706	1374 ± 1288
CD3 + CD56	16 ± 29	5 ± 7	10 ± 8	33 ± 51	19 ± 20
CD3 + CD58	248 ± 404	122 ± 252	125 ± 251	460 ± 901	705 ± 1005
CD3 + CD62E	6 ± 9	3 ± 7	4 ± 7	4 ± 8	15 ± 34
CD3 + CD62P	6 ± 11	4 ± 10	5 ± 11	5 ± 10	14 ± 29
CD3 + CD68	261 ± 460	198 ± 466	231 ± 455	519 ± 673	478 ± 629
CD3 + CD7	678 ± 774	463 ± 814	624 ± 774	1970 ± 2668	1273 ± 1268
CD3 + CD8a	349 ± 392	258 ± 424	304 ± 403	807 ± 932	750 ± 768
CD3 + CK14	61 ± 104	44 ± 100	44 ± 100	50 ± 98	45 ± 99
CD3 + CLA	303 ± 247	236 ± 287	291 ± 259	692 ± 795	440 ± 291
CD3 + c-myc	22 ± 34	14 ± 28	17 ± 27	35 ± 65	16 ± 27
CD3 + Collagen IV	95 ± 146	47 ± 82	55 ± 77	185 ± 296	109 ± 102
CD3 + FXIIIA	46 ± 42	32 ± 39	45 ± 38	158 ± 221	221 ± 318
CD3 + HLA-DR	1069 ± 1079	656 ± 929	809 ± 854	1937 ± 2449	1405 ± 1147
CD3 + IL-22R	20 ± 44	17 ± 45	17 ± 45	19 ± 44	22 ± 43
CD3 + IL-23R	39 ± 104	3 ± 4	3 ± 4	9 ± 17	48 ± 95
CD3 + Ki67	2 ± 5	2 ± 5	3 ± 5	5 ± 8	2 ± 5
CD3 + PI	1130 ± 1174	724 ± 1142	889 ± 1059	2116 ± 2477	1756 ± 1619
CD3 + Podoplanin	82 ± 169	71 ± 172	74 ± 170	155 ± 218	110 ± 178
CD3 + SNA1	288 ± 423	130 ± 183	188 ± 168	237 ± 166	233 ± 175
CD3 + STAT3	16 ± 32	4 ± 5	4 ± 5	18 ± 30	6 ± 7
CD3 + TIA1	122 ± 144	72 ± 143	83 ± 138	180 ± 229	168 ± 169
CD3 + Vimentin	732 ± 957	413 ± 782	543 ± 741	1298 ± 1521	773 ± 849

Tabelle 753: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	31 ± 59	10 ± 16	14 ± 16	16 ± 20	66 ± 151
CD31 + BCL2	6 ± 16	1 ± 2	2 ± 3	6 ± 12	41 ± 93
CD31 + CCR6	2 ± 3	2 ± 3	2 ± 3	7 ± 9	3 ± 3
CD31 + CD11a	18 ± 38	5 ± 8	6 ± 8	16 ± 22	26 ± 54
CD31 + CD11b	7 ± 10	4 ± 10	4 ± 9	4 ± 9	12 ± 10
CD31 + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD120b	4 ± 11	0 ± 1	0 ± 1	1 ± 2	32 ± 64
CD31 + CD138	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + CD15	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD31 + CD2	29 ± 54	9 ± 15	10 ± 14	19 ± 19	98 ± 175
CD31 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	28 ± 62	6 ± 10	7 ± 10	16 ± 20	83 ± 157
CD31 + CD29	46 ± 71	20 ± 30	25 ± 28	31 ± 35	92 ± 141
CD31 + CD3	38 ± 70	12 ± 20	14 ± 18	24 ± 25	77 ± 117
CD31 + CD4	45 ± 72	19 ± 29	24 ± 27	31 ± 29	114 ± 178
CD31 + CD44	10 ± 12	8 ± 13	9 ± 13	19 ± 21	19 ± 23
CD31 + CD45	15 ± 35	2 ± 3	3 ± 3	12 ± 19	37 ± 63
CD31 + CD45RA	3 ± 7	3 ± 8	3 ± 8	4 ± 8	6 ± 10
CD31 + CD45RO	4 ± 11	1 ± 1	1 ± 2	8 ± 15	33 ± 60
CD31 + CD52	31 ± 69	6 ± 10	7 ± 10	21 ± 27	81 ± 153
CD31 + CD54	35 ± 40	21 ± 32	26 ± 30	38 ± 38	63 ± 73
CD31 + CD56	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD58	32 ± 64	11 ± 22	11 ± 22	18 ± 22	96 ± 178
CD31 + CD62E	11 ± 19	9 ± 19	10 ± 19	12 ± 20	22 ± 33
CD31 + CD62P	13 ± 23	12 ± 23	12 ± 23	15 ± 23	25 ± 32
CD31 + CD68	11 ± 20	11 ± 20	14 ± 19	19 ± 22	51 ± 90
CD31 + CD7	5 ± 11	5 ± 11	6 ± 11	16 ± 22	20 ± 34
CD31 + CD8a	5 ± 11	1 ± 2	1 ± 2	2 ± 2	6 ± 12
CD31 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CLA	1 ± 3	1 ± 3	1 ± 3	2 ± 3	6 ± 10
CD31 + c-myc	5 ± 8	3 ± 8	4 ± 8	4 ± 8	3 ± 8
CD31 + Collagen IV	31 ± 59	11 ± 17	13 ± 16	21 ± 28	62 ± 88
CD31 + FXIIIA	2 ± 5	2 ± 5	3 ± 5	4 ± 7	7 ± 8
CD31 + HLA-DR	26 ± 28	18 ± 27	20 ± 26	27 ± 28	55 ± 61
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	10 ± 20	1 ± 4	2 ± 4	2 ± 4	16 ± 35
CD31 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + PI	33 ± 55	14 ± 20	16 ± 19	19 ± 20	85 ± 133
CD31 + Podoplanin	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD31 + SNA1	31 ± 46	16 ± 25	20 ± 23	23 ± 27	51 ± 61
CD31 + STAT3	2 ± 3	2 ± 3	2 ± 3	2 ± 3	5 ± 7
CD31 + TIA1	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
CD31 + Vimentin	29 ± 40	15 ± 24	19 ± 22	23 ± 24	32 ± 41

Tabelle 754: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	41 ± 76	13 ± 20	17 ± 19	19 ± 22	70 ± 148
CD4 + BCL2	224 ± 220	125 ± 202	211 ± 241	638 ± 931	724 ± 1105
CD4 + CCR6	369 ± 375	234 ± 406	316 ± 379	1113 ± 1526	816 ± 1092
CD4 + CD11a	1213 ± 1341	760 ± 1239	931 ± 1162	2284 ± 2611	1807 ± 1731
CD4 + CD11b	360 ± 561	326 ± 579	334 ± 574	431 ± 553	839 ± 850
CD4 + CD120a	15 ± 26	8 ± 22	8 ± 22	10 ± 22	19 ± 31
CD4 + CD120b	204 ± 332	69 ± 175	93 ± 173	210 ± 262	761 ± 1336
CD4 + CD138	19 ± 33	7 ± 14	8 ± 13	8 ± 13	7 ± 13
CD4 + CD15	9 ± 13	1 ± 2	2 ± 2	5 ± 7	3 ± 3
CD4 + CD1a	31 ± 45	15 ± 23	16 ± 23	26 ± 30	80 ± 110
CD4 + CD2	1200 ± 1308	788 ± 1273	951 ± 1195	2176 ± 2272	2074 ± 2097
CD4 + CD207	67 ± 77	53 ± 82	63 ± 76	117 ± 147	147 ± 155
CD4 + CD24	10 ± 11	8 ± 12	9 ± 11	18 ± 27	10 ± 10
CD4 + CD28	1026 ± 1212	590 ± 1050	738 ± 998	1816 ± 2160	1787 ± 2009
CD4 + CD29	198 ± 204	99 ± 139	115 ± 128	245 ± 308	212 ± 159
CD4 + CD3	1361 ± 1523	820 ± 1307	1005 ± 1219	2405 ± 2607	2137 ± 2138
CD4 + CD31	45 ± 72	19 ± 29	24 ± 27	31 ± 29	114 ± 178
CD4 + CD44	1043 ± 1029	706 ± 1044	884 ± 956	2041 ± 2177	1558 ± 1328
CD4 + CD45	1088 ± 1161	683 ± 1109	853 ± 1033	2236 ± 2575	1698 ± 1630
CD4 + CD45RA	251 ± 293	148 ± 265	170 ± 255	415 ± 461	353 ± 366
CD4 + CD45RO	708 ± 924	402 ± 825	544 ± 793	1626 ± 2160	1523 ± 1980
CD4 + CD52	940 ± 1153	602 ± 1135	747 ± 1086	1941 ± 2401	1688 ± 1846
CD4 + CD54	988 ± 1096	582 ± 976	689 ± 921	1862 ± 2327	1369 ± 1289
CD4 + CD56	15 ± 27	5 ± 8	10 ± 9	21 ± 26	17 ± 20
CD4 + CD58	248 ± 398	124 ± 252	126 ± 251	460 ± 913	735 ± 1066
CD4 + CD62E	11 ± 18	8 ± 18	9 ± 18	10 ± 18	21 ± 36
CD4 + CD62P	13 ± 21	11 ± 22	12 ± 22	12 ± 22	22 ± 33
CD4 + CD68	264 ± 468	205 ± 476	234 ± 464	503 ± 671	500 ± 645
CD4 + CD7	642 ± 749	439 ± 784	579 ± 745	1704 ± 2144	1236 ± 1276
CD4 + CD8a	312 ± 371	229 ± 399	267 ± 382	653 ± 679	707 ± 773
CD4 + CK14	46 ± 73	31 ± 67	31 ± 66	33 ± 65	32 ± 66
CD4 + CLA	275 ± 245	216 ± 280	264 ± 256	600 ± 641	414 ± 302
CD4 + c-myc	21 ± 32	12 ± 27	17 ± 26	20 ± 29	16 ± 26
CD4 + Collagen IV	98 ± 144	51 ± 87	59 ± 82	143 ± 185	128 ± 115
CD4 + FXIIIA	48 ± 51	35 ± 51	44 ± 46	143 ± 211	216 ± 304
CD4 + HLA-DR	1032 ± 1076	649 ± 950	779 ± 880	1642 ± 1740	1378 ± 1170
CD4 + IL-22R	16 ± 32	13 ± 32	13 ± 32	15 ± 31	18 ± 31
CD4 + IL-23R	39 ± 102	3 ± 7	4 ± 7	11 ± 19	55 ± 109
CD4 + Ki67	1 ± 4	1 ± 4	2 ± 4	4 ± 8	1 ± 4
CD4 + PI	1085 ± 1168	711 ± 1142	850 ± 1069	1822 ± 1872	1742 ± 1654
CD4 + Podoplanin	80 ± 167	69 ± 170	71 ± 169	125 ± 178	109 ± 176
CD4 + SNA1	285 ± 406	135 ± 197	188 ± 178	221 ± 171	242 ± 192
CD4 + STAT3	16 ± 30	4 ± 6	5 ± 6	12 ± 21	8 ± 8
CD4 + TIA1	112 ± 139	67 ± 138	76 ± 134	147 ± 179	157 ± 171
CD4 + Vimentin	711 ± 942	410 ± 791	521 ± 749	1180 ± 1406	757 ± 858

Tabelle 755: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	9 ± 13	6 ± 14	7 ± 13	24 ± 50	9 ± 14
CD44 + BCL2	218 ± 186	153 ± 208	247 ± 246	589 ± 752	480 ± 579
CD44 + CCR6	357 ± 346	223 ± 359	317 ± 335	1096 ± 1371	637 ± 715
CD44 + CD11a	1031 ± 958	698 ± 995	891 ± 908	2319 ± 2998	1425 ± 1144
CD44 + CD11b	332 ± 450	301 ± 466	309 ± 461	416 ± 450	647 ± 497
CD44 + CD120a	34 ± 83	29 ± 84	29 ± 84	31 ± 83	37 ± 83
CD44 + CD120b	161 ± 246	59 ± 144	84 ± 143	203 ± 256	507 ± 879
CD44 + CD138	68 ± 162	57 ± 163	58 ± 163	61 ± 162	57 ± 163
CD44 + CD15	6 ± 6	2 ± 3	3 ± 3	10 ± 19	4 ± 4
CD44 + CD1a	45 ± 80	36 ± 81	36 ± 80	48 ± 79	88 ± 101
CD44 + CD2	973 ± 920	696 ± 1001	876 ± 917	2000 ± 2067	1522 ± 1241
CD44 + CD207	126 ± 270	118 ± 274	129 ± 269	188 ± 289	195 ± 267
CD44 + CD24	12 ± 12	9 ± 13	12 ± 13	26 ± 34	13 ± 11
CD44 + CD28	799 ± 829	502 ± 829	663 ± 781	1764 ± 2323	1268 ± 1249
CD44 + CD29	175 ± 131	117 ± 149	130 ± 139	315 ± 455	164 ± 121
CD44 + CD3	1091 ± 1024	727 ± 1039	938 ± 944	2405 ± 2954	1603 ± 1311
CD44 + CD31	10 ± 12	8 ± 13	9 ± 13	19 ± 21	19 ± 23
CD44 + CD4	1043 ± 1029	706 ± 1044	884 ± 956	2041 ± 2177	1558 ± 1328
CD44 + CD45	942 ± 874	624 ± 917	816 ± 833	2231 ± 2854	1331 ± 1070
CD44 + CD45RA	231 ± 220	150 ± 228	176 ± 215	431 ± 454	290 ± 223
CD44 + CD45RO	554 ± 665	331 ± 637	485 ± 618	1597 ± 2433	1068 ± 1270
CD44 + CD52	741 ± 864	511 ± 913	670 ± 872	2014 ± 2988	1207 ± 1132
CD44 + CD54	817 ± 816	510 ± 814	626 ± 756	1820 ± 2552	1094 ± 917
CD44 + CD56	16 ± 20	10 ± 14	13 ± 14	35 ± 56	21 ± 17
CD44 + CD58	211 ± 260	143 ± 229	145 ± 227	413 ± 693	526 ± 609
CD44 + CD62E	4 ± 6	3 ± 6	4 ± 6	4 ± 7	4 ± 7
CD44 + CD62P	4 ± 9	4 ± 9	5 ± 9	5 ± 9	4 ± 9
CD44 + CD68	228 ± 354	188 ± 365	217 ± 353	434 ± 489	342 ± 414
CD44 + CD7	570 ± 617	399 ± 667	555 ± 633	1773 ± 2524	973 ± 880
CD44 + CD8a	289 ± 298	222 ± 331	267 ± 310	734 ± 889	523 ± 416
CD44 + CK14	153 ± 393	141 ± 397	142 ± 396	146 ± 395	143 ± 396
CD44 + CLA	294 ± 247	244 ± 282	298 ± 251	677 ± 786	413 ± 238
CD44 + c-myc	84 ± 225	80 ± 226	82 ± 226	99 ± 227	80 ± 226
CD44 + Collagen IV	62 ± 70	47 ± 68	54 ± 63	178 ± 294	76 ± 62
CD44 + FXIIIA	40 ± 34	36 ± 37	47 ± 36	130 ± 162	131 ± 134
CD44 + HLA-DR	1023 ± 844	724 ± 890	874 ± 798	1980 ± 2461	1332 ± 896
CD44 + IL-22R	89 ± 255	87 ± 255	87 ± 255	89 ± 255	91 ± 254
CD44 + IL-23R	18 ± 32	7 ± 13	7 ± 13	12 ± 18	29 ± 44
CD44 + Ki67	4 ± 8	4 ± 8	5 ± 8	6 ± 9	4 ± 8
CD44 + PI	882 ± 801	646 ± 900	801 ± 812	1890 ± 2320	1321 ± 1010
CD44 + Podoplanin	66 ± 118	58 ± 119	61 ± 119	140 ± 192	91 ± 126
CD44 + SNA1	250 ± 298	137 ± 168	191 ± 149	238 ± 146	215 ± 140
CD44 + STAT3	19 ± 35	14 ± 35	14 ± 35	26 ± 43	14 ± 35
CD44 + TIA1	98 ± 108	63 ± 114	73 ± 109	169 ± 219	125 ± 118
CD44 + Vimentin	583 ± 648	386 ± 628	510 ± 582	1148 ± 1262	682 ± 643

Tabelle 756: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	19 ± 44	2 ± 3	2 ± 2	15 ± 38	21 ± 47
CD45 + BCL2	208 ± 189	117 ± 181	207 ± 232	646 ± 948	627 ± 932
CD45 + CCR6	360 ± 369	210 ± 367	300 ± 342	1186 ± 1621	680 ± 855
CD45 + CD11a	1095 ± 1125	690 ± 1100	876 ± 1021	2487 ± 3181	1642 ± 1532
CD45 + CD11b	308 ± 473	273 ± 488	284 ± 482	379 ± 470	677 ± 632
CD45 + CD120a	19 ± 41	14 ± 41	15 ± 41	16 ± 40	24 ± 43
CD45 + CD120b	191 ± 298	65 ± 167	89 ± 164	212 ± 266	708 ± 1237
CD45 + CD138	21 ± 35	10 ± 24	11 ± 24	14 ± 25	10 ± 24
CD45 + CD15	6 ± 8	1 ± 2	3 ± 3	9 ± 19	3 ± 4
CD45 + CD1a	35 ± 46	21 ± 37	22 ± 36	33 ± 39	84 ± 110
CD45 + CD2	1042 ± 1076	689 ± 1107	864 ± 1032	2188 ± 2438	1701 ± 1598
CD45 + CD207	74 ± 95	62 ± 100	72 ± 94	130 ± 162	153 ± 159
CD45 + CD24	11 ± 12	8 ± 12	11 ± 13	24 ± 32	10 ± 11
CD45 + CD28	917 ± 1012	544 ± 954	699 ± 904	1920 ± 2471	1523 ± 1621
CD45 + CD29	148 ± 136	71 ± 102	82 ± 95	263 ± 436	136 ± 86
CD45 + CD3	1140 ± 1172	706 ± 1124	902 ± 1040	2540 ± 3134	1733 ± 1607
CD45 + CD31	15 ± 35	2 ± 3	3 ± 3	12 ± 19	37 ± 63
CD45 + CD4	1088 ± 1161	683 ± 1109	853 ± 1033	2236 ± 2575	1698 ± 1630
CD45 + CD44	942 ± 874	624 ± 917	816 ± 833	2231 ± 2854	1331 ± 1070
CD45 + CD45RA	233 ± 249	140 ± 241	165 ± 230	455 ± 520	340 ± 327
CD45 + CD45RO	655 ± 826	382 ± 775	534 ± 747	1781 ± 2583	1311 ± 1617
CD45 + CD52	844 ± 993	544 ± 1018	701 ± 971	2144 ± 3018	1469 ± 1526
CD45 + CD54	844 ± 888	496 ± 853	607 ± 802	1916 ± 2662	1169 ± 1089
CD45 + CD56	11 ± 16	4 ± 6	8 ± 8	32 ± 54	12 ± 11
CD45 + CD58	220 ± 340	115 ± 225	117 ± 224	452 ± 899	649 ± 911
CD45 + CD62E	1 ± 2	0 ± 0	0 ± 0	1 ± 2	1 ± 4
CD45 + CD62P	1 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD45 + CD68	205 ± 363	163 ± 373	189 ± 364	478 ± 628	330 ± 431
CD45 + CD7	613 ± 692	419 ± 739	569 ± 700	1894 ± 2620	1180 ± 1182
CD45 + CD8a	326 ± 366	239 ± 397	284 ± 378	783 ± 931	696 ± 710
CD45 + CK14	54 ± 101	41 ± 101	42 ± 101	45 ± 99	42 ± 100
CD45 + CLA	254 ± 216	198 ± 247	248 ± 222	640 ± 795	380 ± 248
CD45 + c-myc	21 ± 38	14 ± 38	16 ± 37	35 ± 65	16 ± 37
CD45 + Collagen IV	56 ± 84	29 ± 53	34 ± 51	147 ± 252	70 ± 61
CD45 + FXIIIA	34 ± 32	26 ± 35	37 ± 35	149 ± 224	120 ± 139
CD45 + HLA-DR	871 ± 826	550 ± 789	687 ± 724	1776 ± 2353	1137 ± 901
CD45 + IL-22R	24 ± 57	21 ± 58	21 ± 58	23 ± 57	26 ± 57
CD45 + IL-23R	25 ± 61	3 ± 6	4 ± 6	10 ± 17	29 ± 51
CD45 + Ki67	1 ± 3	1 ± 3	2 ± 3	4 ± 8	1 ± 3
CD45 + PI	908 ± 929	597 ± 970	745 ± 899	1927 ± 2377	1425 ± 1300
CD45 + Podoplanin	60 ± 125	51 ± 128	54 ± 126	124 ± 170	86 ± 136
CD45 + SNA1	225 ± 302	109 ± 163	161 ± 152	205 ± 151	187 ± 147
CD45 + STAT3	13 ± 26	3 ± 4	4 ± 5	18 ± 30	5 ± 5
CD45 + TIA1	110 ± 127	67 ± 130	77 ± 126	172 ± 222	160 ± 158
CD45 + Vimentin	566 ± 698	335 ± 634	448 ± 600	1174 ± 1449	569 ± 634

Tabelle 757: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	5 ± 5	3 ± 6	3 ± 6	11 ± 23	5 ± 6
CD45RA + BCL2	50 ± 46	25 ± 43	37 ± 42	132 ± 209	160 ± 260
CD45RA + CCR6	88 ± 97	58 ± 102	68 ± 98	241 ± 303	158 ± 219
CD45RA + CD11a	255 ± 285	152 ± 268	179 ± 256	469 ± 539	352 ± 340
CD45RA + CD11b	105 ± 165	96 ± 170	100 ± 168	124 ± 163	225 ± 224
CD45RA + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 1	4 ± 9
CD45RA + CD120b	39 ± 63	14 ± 33	17 ± 32	41 ± 52	149 ± 269
CD45RA + CD138	1 ± 3	1 ± 2	1 ± 2	6 ± 13	1 ± 2
CD45RA + CD15	3 ± 4	0 ± 1	0 ± 1	6 ± 17	1 ± 2
CD45RA + CD1a	2 ± 6	0 ± 1	0 ± 1	1 ± 1	3 ± 6
CD45RA + CD2	236 ± 267	146 ± 260	168 ± 250	404 ± 433	355 ± 359
CD45RA + CD207	3 ± 6	1 ± 3	2 ± 5	6 ± 9	9 ± 13
CD45RA + CD24	4 ± 5	4 ± 5	5 ± 5	10 ± 11	6 ± 4
CD45RA + CD28	199 ± 239	109 ± 214	127 ± 207	346 ± 421	304 ± 344
CD45RA + CD29	45 ± 39	21 ± 30	23 ± 29	58 ± 86	33 ± 24
CD45RA + CD3	266 ± 298	155 ± 269	181 ± 256	466 ± 510	367 ± 359
CD45RA + CD31	3 ± 7	3 ± 8	3 ± 8	4 ± 8	6 ± 10
CD45RA + CD4	251 ± 293	148 ± 265	170 ± 255	415 ± 461	353 ± 366
CD45RA + CD44	231 ± 220	150 ± 228	176 ± 215	431 ± 454	290 ± 223
CD45RA + CD45	233 ± 249	140 ± 241	165 ± 230	455 ± 520	340 ± 327
CD45RA + CD45RO	112 ± 148	61 ± 134	76 ± 130	272 ± 366	245 ± 337
CD45RA + CD52	206 ± 253	129 ± 256	148 ± 248	428 ± 525	327 ± 354
CD45RA + CD54	221 ± 252	115 ± 208	136 ± 199	376 ± 463	280 ± 286
CD45RA + CD56	10 ± 14	6 ± 14	8 ± 14	20 ± 34	13 ± 13
CD45RA + CD58	49 ± 77	26 ± 54	26 ± 54	113 ± 229	147 ± 221
CD45RA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD45RA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD68	63 ± 107	42 ± 104	48 ± 102	133 ± 192	90 ± 124
CD45RA + CD7	163 ± 195	108 ± 201	129 ± 193	386 ± 463	287 ± 288
CD45RA + CD8a	105 ± 108	73 ± 120	78 ± 118	178 ± 165	218 ± 224
CD45RA + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + CLA	75 ± 60	50 ± 70	56 ± 67	172 ± 208	94 ± 64
CD45RA + c-myc	4 ± 5	3 ± 5	2 ± 4	12 ± 30	2 ± 4
CD45RA + Collagen IV	12 ± 22	10 ± 22	10 ± 22	27 ± 37	13 ± 21
CD45RA + FXIIIA	13 ± 17	12 ± 17	14 ± 17	45 ± 61	40 ± 49
CD45RA + HLA-DR	222 ± 222	137 ± 202	156 ± 192	361 ± 386	262 ± 198
CD45RA + IL-22R	0 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 3
CD45RA + IL-23R	5 ± 14	0 ± 1	0 ± 1	1 ± 2	6 ± 11
CD45RA + Ki67	0 ± 1	0 ± 1	0 ± 1	2 ± 3	0 ± 1
CD45RA + PI	219 ± 224	140 ± 232	159 ± 223	381 ± 401	322 ± 289
CD45RA + Podoplanin	12 ± 19	11 ± 19	11 ± 19	29 ± 36	13 ± 19
CD45RA + SNA1	61 ± 80	28 ± 36	34 ± 33	46 ± 32	43 ± 32
CD45RA + STAT3	5 ± 7	4 ± 7	3 ± 7	13 ± 22	3 ± 7
CD45RA + TIA1	52 ± 64	33 ± 65	38 ± 64	66 ± 79	84 ± 82
CD45RA + Vimentin	144 ± 205	82 ± 173	93 ± 169	230 ± 281	119 ± 162

Tabelle 758: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	7 ± 13	1 ± 3	1 ± 3	17 ± 46	13 ± 33
CD45RO + BCL2	140 ± 154	65 ± 121	149 ± 203	542 ± 874	619 ± 1040
CD45RO + CCR6	239 ± 289	136 ± 293	206 ± 286	883 ± 1254	669 ± 1044
CD45RO + CD11a	685 ± 885	394 ± 810	546 ± 783	1785 ± 2638	1349 ± 1700
CD45RO + CD11b	192 ± 386	172 ± 394	182 ± 390	256 ± 386	613 ± 778
CD45RO + CD120a	5 ± 8	2 ± 5	3 ± 5	4 ± 5	13 ± 24
CD45RO + CD120b	150 ± 238	55 ± 157	77 ± 156	187 ± 250	715 ± 1281
CD45RO + CD138	13 ± 26	3 ± 6	4 ± 6	10 ± 17	3 ± 6
CD45RO + CD15	4 ± 8	0 ± 0	1 ± 2	9 ± 23	1 ± 2
CD45RO + CD1a	20 ± 34	8 ± 17	8 ± 17	18 ± 27	65 ± 110
CD45RO + CD2	684 ± 879	408 ± 827	561 ± 798	1643 ± 2170	1521 ± 1948
CD45RO + CD207	40 ± 56	28 ± 57	38 ± 55	86 ± 139	107 ± 153
CD45RO + CD24	4 ± 5	2 ± 3	5 ± 8	13 ± 23	3 ± 3
CD45RO + CD28	616 ± 800	344 ± 721	478 ± 703	1465 ± 2114	1389 ± 1868
CD45RO + CD29	84 ± 103	36 ± 83	46 ± 80	218 ± 432	91 ± 89
CD45RO + CD3	724 ± 936	403 ± 823	564 ± 795	1816 ± 2604	1531 ± 1978
CD45RO + CD31	4 ± 11	1 ± 1	1 ± 2	8 ± 15	33 ± 60
CD45RO + CD4	708 ± 924	402 ± 825	544 ± 793	1626 ± 2160	1523 ± 1980
CD45RO + CD44	554 ± 665	331 ± 637	485 ± 618	1597 ± 2433	1068 ± 1270
CD45RO + CD45	655 ± 826	382 ± 775	534 ± 747	1781 ± 2583	1311 ± 1617
CD45RO + CD45RA	112 ± 148	61 ± 134	76 ± 130	272 ± 366	245 ± 337
CD45RO + CD52	540 ± 727	337 ± 728	473 ± 712	1614 ± 2566	1283 ± 1678
CD45RO + CD54	536 ± 678	295 ± 619	388 ± 592	1417 ± 2225	960 ± 1172
CD45RO + CD56	8 ± 10	4 ± 7	8 ± 8	37 ± 73	12 ± 14
CD45RO + CD58	155 ± 270	79 ± 195	81 ± 194	322 ± 646	593 ± 945
CD45RO + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 3
CD45RO + CD62P	1 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD45RO + CD68	141 ± 303	114 ± 309	137 ± 303	375 ± 523	329 ± 469
CD45RO + CD7	397 ± 528	253 ± 542	384 ± 538	1428 ± 2214	976 ± 1256
CD45RO + CD8a	178 ± 272	128 ± 283	167 ± 277	552 ± 805	559 ± 774
CD45RO + CK14	23 ± 38	11 ± 25	11 ± 25	14 ± 25	12 ± 24
CD45RO + CLA	140 ± 186	102 ± 197	148 ± 194	456 ± 724	274 ± 303
CD45RO + c-myc	7 ± 11	2 ± 4	4 ± 7	28 ± 77	5 ± 6
CD45RO + Collagen IV	32 ± 55	16 ± 40	20 ± 38	105 ± 196	51 ± 66
CD45RO + FXIIIA	21 ± 21	15 ± 21	25 ± 24	124 ± 204	153 ± 237
CD45RO + HLA-DR	537 ± 684	294 ± 572	405 ± 552	1275 ± 2026	895 ± 1065
CD45RO + IL-22R	5 ± 7	2 ± 5	2 ± 5	4 ± 5	7 ± 9
CD45RO + IL-23R	14 ± 38	1 ± 3	2 ± 3	8 ± 17	39 ± 76
CD45RO + Ki67	1 ± 3	1 ± 3	2 ± 3	5 ± 10	1 ± 3
CD45RO + PI	572 ± 720	344 ± 694	466 ± 662	1395 ± 2055	1209 ± 1505
CD45RO + Podoplanin	44 ± 104	38 ± 105	40 ± 105	102 ± 158	75 ± 120
CD45RO + SNA1	165 ± 256	69 ± 126	116 ± 131	149 ± 132	145 ± 143
CD45RO + STAT3	13 ± 25	3 ± 5	4 ± 5	21 ± 40	4 ± 5
CD45RO + TIA1	65 ± 88	39 ± 89	48 ± 87	124 ± 195	123 ± 150
CD45RO + Vimentin	404 ± 594	221 ± 518	317 ± 504	897 ± 1200	510 ± 651

Tabelle 759: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	29 ± 72	3 ± 7	4 ± 7	25 ± 64	51 ± 132
CD52 + BCL2	180 ± 191	98 ± 182	187 ± 246	572 ± 860	629 ± 996
CD52 + CCR6	320 ± 370	197 ± 369	273 ± 352	1047 ± 1430	700 ± 978
CD52 + CD11a	906 ± 1092	586 ± 1104	747 ± 1058	2215 ± 3151	1507 ± 1559
CD52 + CD11b	263 ± 494	233 ± 505	241 ± 502	318 ± 488	628 ± 728
CD52 + CD120a	5 ± 10	0 ± 1	1 ± 1	2 ± 3	11 ± 24
CD52 + CD120b	157 ± 235	59 ± 163	79 ± 161	195 ± 260	699 ± 1239
CD52 + CD138	3 ± 5	2 ± 3	2 ± 2	8 ± 17	1 ± 2
CD52 + CD15	5 ± 10	0 ± 0	1 ± 1	9 ± 25	1 ± 2
CD52 + CD1a	15 ± 21	9 ± 19	9 ± 18	21 ± 30	69 ± 107
CD52 + CD2	908 ± 1103	600 ± 1131	754 ± 1083	1896 ± 2301	1675 ± 1817
CD52 + CD207	37 ± 62	31 ± 65	41 ± 62	102 ± 173	120 ± 156
CD52 + CD24	9 ± 12	6 ± 12	9 ± 13	21 ± 30	8 ± 11
CD52 + CD28	808 ± 991	489 ± 964	631 ± 932	1744 ± 2422	1520 ± 1762
CD52 + CD29	129 ± 151	49 ± 76	57 ± 73	250 ± 490	139 ± 132
CD52 + CD3	969 ± 1161	610 ± 1140	776 ± 1092	2252 ± 3114	1685 ± 1803
CD52 + CD31	31 ± 69	6 ± 10	7 ± 10	21 ± 27	81 ± 153
CD52 + CD4	940 ± 1153	602 ± 1135	747 ± 1086	1941 ± 2401	1688 ± 1846
CD52 + CD44	741 ± 864	511 ± 913	670 ± 872	2014 ± 2988	1207 ± 1132
CD52 + CD45	844 ± 993	544 ± 1018	701 ± 971	2144 ± 3018	1469 ± 1526
CD52 + CD45RA	206 ± 253	129 ± 256	148 ± 248	428 ± 525	327 ± 354
CD52 + CD45RO	540 ± 727	337 ± 728	473 ± 712	1614 ± 2566	1283 ± 1678
CD52 + CD54	719 ± 810	443 ± 811	535 ± 775	1775 ± 2648	1129 ± 1144
CD52 + CD56	10 ± 18	4 ± 7	6 ± 7	34 ± 77	11 ± 10
CD52 + CD58	183 ± 297	96 ± 212	97 ± 211	393 ± 794	657 ± 994
CD52 + CD62E	4 ± 5	1 ± 3	1 ± 3	4 ± 8	13 ± 30
CD52 + CD62P	4 ± 7	2 ± 6	2 ± 6	5 ± 8	13 ± 26
CD52 + CD68	174 ± 371	147 ± 379	166 ± 374	439 ± 600	344 ± 484
CD52 + CD7	509 ± 667	367 ± 715	500 ± 693	1713 ± 2585	1096 ± 1174
CD52 + CD8a	288 ± 370	209 ± 394	249 ± 381	711 ± 934	666 ± 748
CD52 + CK14	5 ± 8	3 ± 8	3 ± 8	5 ± 10	4 ± 8
CD52 + CLA	201 ± 224	147 ± 242	191 ± 231	566 ± 845	313 ± 260
CD52 + c-myc	5 ± 7	3 ± 6	2 ± 5	30 ± 81	3 ± 6
CD52 + Collagen IV	57 ± 96	27 ± 57	30 ± 56	153 ± 308	87 ± 97
CD52 + FXIIIA	27 ± 37	24 ± 38	31 ± 37	145 ± 225	133 ± 189
CD52 + HLA-DR	678 ± 791	443 ± 797	558 ± 763	1617 ± 2534	1023 ± 964
CD52 + IL-22R	2 ± 3	1 ± 3	1 ± 3	3 ± 5	6 ± 8
CD52 + IL-23R	18 ± 49	1 ± 2	1 ± 2	5 ± 10	40 ± 89
CD52 + Ki67	0 ± 0	0 ± 0	0 ± 1	4 ± 12	0 ± 0
CD52 + PI	808 ± 968	539 ± 998	661 ± 952	1768 ± 2483	1383 ± 1401
CD52 + Podoplanin	58 ± 148	54 ± 149	54 ± 149	137 ± 228	79 ± 150
CD52 + SNA1	161 ± 195	94 ± 155	134 ± 153	182 ± 154	173 ± 161
CD52 + STAT3	6 ± 7	4 ± 6	3 ± 5	21 ± 40	6 ± 8
CD52 + TIA1	102 ± 132	66 ± 138	74 ± 135	166 ± 232	150 ± 161
CD52 + Vimentin	452 ± 668	281 ± 649	372 ± 631	995 ± 1330	498 ± 656

Tabelle 760: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	25 ± 33	13 ± 20	17 ± 19	29 ± 48	26 ± 23
CD54 + BCL2	172 ± 171	88 ± 154	140 ± 164	540 ± 842	470 ± 700
CD54 + CCR6	304 ± 312	168 ± 295	223 ± 275	920 ± 1367	550 ± 723
CD54 + CD11a	908 ± 988	530 ± 914	641 ± 863	1968 ± 2725	1206 ± 1106
CD54 + CD11b	296 ± 476	258 ± 493	269 ± 487	316 ± 470	665 ± 688
CD54 + CD120a	6 ± 12	0 ± 1	0 ± 1	2 ± 2	10 ± 22
CD54 + CD120b	183 ± 291	57 ± 152	75 ± 149	189 ± 258	548 ± 944
CD54 + CD138	6 ± 11	3 ± 7	3 ± 6	6 ± 9	3 ± 7
CD54 + CD15	6 ± 10	1 ± 2	2 ± 2	7 ± 15	1 ± 2
CD54 + CD1a	23 ± 39	10 ± 20	10 ± 19	21 ± 30	67 ± 94
CD54 + CD2	883 ± 947	551 ± 944	657 ± 893	1709 ± 2088	1302 ± 1230
CD54 + CD207	46 ± 62	33 ± 64	43 ± 61	99 ± 166	113 ± 128
CD54 + CD24	9 ± 9	6 ± 9	9 ± 11	16 ± 18	8 ± 8
CD54 + CD28	783 ± 878	441 ± 801	533 ± 763	1595 ± 2189	1169 ± 1199
CD54 + CD29	182 ± 164	98 ± 136	114 ± 126	279 ± 419	171 ± 115
CD54 + CD3	1013 ± 1105	576 ± 965	694 ± 907	2021 ± 2706	1374 ± 1288
CD54 + CD31	35 ± 40	21 ± 32	26 ± 30	38 ± 38	63 ± 73
CD54 + CD4	988 ± 1096	582 ± 976	689 ± 921	1862 ± 2327	1369 ± 1289
CD54 + CD44	817 ± 816	510 ± 814	626 ± 756	1820 ± 2552	1094 ± 917
CD54 + CD45	844 ± 888	496 ± 853	607 ± 802	1916 ± 2662	1169 ± 1089
CD54 + CD45RA	221 ± 252	115 ± 208	136 ± 199	376 ± 463	280 ± 286
CD54 + CD45RO	536 ± 678	295 ± 619	388 ± 592	1417 ± 2225	960 ± 1172
CD54 + CD52	719 ± 810	443 ± 811	535 ± 775	1775 ± 2648	1129 ± 1144
CD54 + CD56	10 ± 20	3 ± 5	7 ± 8	24 ± 45	10 ± 10
CD54 + CD58	198 ± 319	105 ± 225	106 ± 224	408 ± 829	589 ± 818
CD54 + CD62E	12 ± 19	9 ± 19	10 ± 19	12 ± 20	22 ± 35
CD54 + CD62P	14 ± 23	12 ± 23	13 ± 23	15 ± 23	24 ± 33
CD54 + CD68	214 ± 386	154 ± 387	178 ± 379	434 ± 599	352 ± 483
CD54 + CD7	529 ± 609	345 ± 641	442 ± 605	1538 ± 2295	922 ± 910
CD54 + CD8a	270 ± 295	191 ± 321	221 ± 307	598 ± 761	523 ± 518
CD54 + CK14	15 ± 30	9 ± 26	9 ± 26	10 ± 26	9 ± 26
CD54 + CLA	195 ± 181	132 ± 199	168 ± 184	491 ± 768	271 ± 200
CD54 + c-myc	13 ± 18	9 ± 18	12 ± 17	24 ± 44	11 ± 17
CD54 + Collagen IV	68 ± 81	44 ± 64	51 ± 59	156 ± 262	86 ± 71
CD54 + FXIIIA	35 ± 41	24 ± 39	34 ± 38	135 ± 204	138 ± 190
CD54 + HLA-DR	819 ± 867	478 ± 750	567 ± 702	1503 ± 2129	1000 ± 832
CD54 + IL-22R	3 ± 6	2 ± 5	2 ± 5	4 ± 6	6 ± 9
CD54 + IL-23R	29 ± 72	3 ± 8	4 ± 8	10 ± 19	31 ± 56
CD54 + Ki67	1 ± 4	1 ± 4	1 ± 4	5 ± 9	1 ± 4
CD54 + PI	795 ± 810	498 ± 818	582 ± 771	1530 ± 2043	1132 ± 996
CD54 + Podoplanin	58 ± 124	49 ± 125	50 ± 125	115 ± 170	73 ± 129
CD54 + SNA1	241 ± 326	116 ± 163	157 ± 145	186 ± 141	187 ± 142
CD54 + STAT3	9 ± 16	3 ± 6	4 ± 6	15 ± 23	5 ± 6
CD54 + TIA1	99 ± 111	57 ± 110	64 ± 107	133 ± 189	122 ± 120
CD54 + Vimentin	542 ± 723	287 ± 584	356 ± 558	959 ± 1258	518 ± 606

Tabelle 761: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	4 ± 7	1 ± 3	1 ± 3	12 ± 34	1 ± 3
CD56 + BCL2	2 ± 4	1 ± 1	1 ± 2	13 ± 26	6 ± 13
CD56 + CCR6	7 ± 10	5 ± 10	7 ± 9	38 ± 68	10 ± 12
CD56 + CD11a	12 ± 19	5 ± 7	9 ± 8	35 ± 65	13 ± 13
CD56 + CD11b	5 ± 9	5 ± 9	4 ± 9	5 ± 9	15 ± 14
CD56 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD120b	2 ± 3	1 ± 2	1 ± 2	1 ± 2	5 ± 9
CD56 + CD138	2 ± 4	1 ± 3	1 ± 2	7 ± 17	1 ± 2
CD56 + CD15	1 ± 2	0 ± 0	0 ± 0	5 ± 15	0 ± 0
CD56 + CD1a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	12 ± 22	4 ± 7	9 ± 8	22 ± 29	13 ± 14
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD56 + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD56 + CD28	10 ± 21	2 ± 6	4 ± 6	15 ± 22	13 ± 15
CD56 + CD29	8 ± 11	4 ± 7	4 ± 6	24 ± 59	4 ± 6
CD56 + CD3	16 ± 29	5 ± 7	10 ± 8	33 ± 51	19 ± 20
CD56 + CD31	2 ± 5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD4	15 ± 27	5 ± 8	10 ± 9	21 ± 26	17 ± 20
CD56 + CD44	16 ± 20	10 ± 14	13 ± 14	35 ± 56	21 ± 17
CD56 + CD45	11 ± 16	4 ± 6	8 ± 8	32 ± 54	12 ± 11
CD56 + CD45RA	10 ± 14	6 ± 14	8 ± 14	20 ± 34	13 ± 13
CD56 + CD45RO	8 ± 10	4 ± 7	8 ± 8	37 ± 73	12 ± 14
CD56 + CD52	10 ± 18	4 ± 7	6 ± 7	34 ± 77	11 ± 10
CD56 + CD54	10 ± 20	3 ± 5	7 ± 8	24 ± 45	10 ± 10
CD56 + CD58	6 ± 10	3 ± 6	3 ± 5	9 ± 11	6 ± 8
CD56 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	5 ± 5	4 ± 5	4 ± 4	29 ± 61	6 ± 9
CD56 + CD7	9 ± 15	3 ± 6	9 ± 8	18 ± 30	11 ± 9
CD56 + CD8a	7 ± 9	4 ± 6	4 ± 6	6 ± 7	8 ± 7
CD56 + CK14	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CD56 + CLA	5 ± 7	3 ± 6	5 ± 7	12 ± 24	5 ± 9
CD56 + c-myc	2 ± 4	2 ± 5	1 ± 2	22 ± 63	1 ± 2
CD56 + Collagen IV	4 ± 8	2 ± 5	3 ± 5	4 ± 5	5 ± 9
CD56 + FXIIIA	3 ± 5	3 ± 6	3 ± 5	30 ± 64	6 ± 7
CD56 + HLA-DR	16 ± 21	10 ± 15	12 ± 14	34 ± 56	21 ± 16
CD56 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + IL-23R	1 ± 1	0 ± 1	0 ± 0	1 ± 2	1 ± 2
CD56 + Ki67	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
CD56 + PI	10 ± 15	4 ± 6	9 ± 8	27 ± 56	13 ± 14
CD56 + Podoplanin	5 ± 11	5 ± 11	5 ± 11	20 ± 45	4 ± 11
CD56 + SNA1	7 ± 10	4 ± 6	5 ± 4	5 ± 5	7 ± 6
CD56 + STAT3	4 ± 8	4 ± 8	3 ± 7	18 ± 39	2 ± 7
CD56 + TIA1	5 ± 10	2 ± 4	4 ± 5	10 ± 21	3 ± 5
CD56 + Vimentin	10 ± 17	5 ± 8	8 ± 8	23 ± 34	9 ± 13

Tabelle 762: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	30 ± 70	6 ± 10	6 ± 10	11 ± 15	61 ± 151
CD58 + BCL2	71 ± 98	47 ± 86	48 ± 86	190 ± 400	384 ± 651
CD58 + CCR6	57 ± 102	45 ± 104	46 ± 104	296 ± 676	324 ± 566
CD58 + CD11a	231 ± 358	122 ± 240	124 ± 239	456 ± 895	638 ± 869
CD58 + CD11b	54 ± 120	50 ± 122	50 ± 122	62 ± 119	293 ± 438
CD58 + CD120a	15 ± 39	13 ± 39	13 ± 39	14 ± 39	21 ± 41
CD58 + CD120b	67 ± 135	22 ± 63	23 ± 62	64 ± 115	462 ± 866
CD58 + CD138	51 ± 100	30 ± 86	31 ± 85	33 ± 85	30 ± 86
CD58 + CD15	2 ± 3	1 ± 2	1 ± 2	4 ± 8	1 ± 2
CD58 + CD1a	34 ± 57	20 ± 49	21 ± 48	22 ± 48	76 ± 98
CD58 + CD2	230 ± 352	123 ± 239	125 ± 238	437 ± 845	716 ± 1033
CD58 + CD207	52 ± 113	45 ± 114	46 ± 114	50 ± 112	115 ± 148
CD58 + CD24	1 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 2
CD58 + CD28	217 ± 360	103 ± 217	105 ± 216	396 ± 795	694 ± 1032
CD58 + CD29	91 ± 132	45 ± 67	45 ± 66	76 ± 72	141 ± 157
CD58 + CD3	248 ± 404	122 ± 252	125 ± 251	460 ± 901	705 ± 1005
CD58 + CD31	32 ± 64	11 ± 22	11 ± 22	18 ± 22	96 ± 178
CD58 + CD4	248 ± 398	124 ± 252	126 ± 251	460 ± 913	735 ± 1066
CD58 + CD44	211 ± 260	143 ± 229	145 ± 227	413 ± 693	526 ± 609
CD58 + CD45	220 ± 340	115 ± 225	117 ± 224	452 ± 899	649 ± 911
CD58 + CD45RA	49 ± 77	26 ± 54	26 ± 54	113 ± 229	147 ± 221
CD58 + CD45RO	155 ± 270	79 ± 195	81 ± 194	322 ± 646	593 ± 945
CD58 + CD52	183 ± 297	96 ± 212	97 ± 211	393 ± 794	657 ± 994
CD58 + CD54	198 ± 319	105 ± 225	106 ± 224	408 ± 829	589 ± 818
CD58 + CD56	6 ± 10	3 ± 6	3 ± 5	9 ± 11	6 ± 8
CD58 + CD62E	6 ± 17	6 ± 17	6 ± 17	7 ± 17	16 ± 31
CD58 + CD62P	7 ± 19	7 ± 19	7 ± 19	8 ± 19	16 ± 30
CD58 + CD68	66 ± 116	59 ± 118	59 ± 118	134 ± 215	185 ± 241
CD58 + CD7	134 ± 208	86 ± 185	88 ± 184	355 ± 710	539 ± 759
CD58 + CD8a	72 ± 113	50 ± 107	50 ± 107	144 ± 242	315 ± 472
CD58 + CK14	75 ± 148	52 ± 142	54 ± 141	53 ± 141	53 ± 141
CD58 + CLA	53 ± 77	46 ± 80	47 ± 80	90 ± 107	147 ± 164
CD58 + c-myc	45 ± 115	42 ± 117	42 ± 116	46 ± 115	43 ± 116
CD58 + Collagen IV	38 ± 74	14 ± 31	14 ± 31	27 ± 36	66 ± 94
CD58 + FXIIIA	5 ± 8	4 ± 8	4 ± 8	38 ± 89	49 ± 86
CD58 + HLA-DR	225 ± 290	137 ± 216	140 ± 214	311 ± 435	491 ± 555
CD58 + IL-22R	42 ± 114	39 ± 114	39 ± 114	41 ± 114	43 ± 113
CD58 + IL-23R	21 ± 45	6 ± 15	6 ± 14	10 ± 17	36 ± 66
CD58 + Ki67	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD58 + PI	191 ± 289	104 ± 200	104 ± 199	305 ± 532	592 ± 818
CD58 + Podoplanin	24 ± 51	20 ± 52	20 ± 52	43 ± 68	48 ± 78
CD58 + SNA1	78 ± 136	32 ± 58	33 ± 57	61 ± 69	90 ± 111
CD58 + STAT3	23 ± 41	11 ± 26	11 ± 26	16 ± 26	14 ± 26
CD58 + TIA1	27 ± 44	18 ± 41	18 ± 41	31 ± 40	65 ± 86
CD58 + Vimentin	160 ± 253	88 ± 188	90 ± 188	286 ± 540	217 ± 282

Tabelle 763: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	6 ± 10	5 ± 10	5 ± 10	8 ± 11	8 ± 10
CD62E + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD62E + CCR6	1 ± 2	0 ± 0	0 ± 0	0 ± 1	1 ± 1
CD62E + CD11a	1 ± 2	0 ± 0	0 ± 0	2 ± 5	2 ± 5
CD62E + CD11b	2 ± 3	0 ± 0	0 ± 0	0 ± 0	2 ± 4
CD62E + CD120a	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD120b	1 ± 2	0 ± 0	0 ± 0	0 ± 1	3 ± 8
CD62E + CD138	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD15	1 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	4 ± 7	3 ± 7	3 ± 7	3 ± 7	13 ± 25
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	0 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD28	2 ± 2	1 ± 1	1 ± 1	2 ± 4	10 ± 27
CD62E + CD29	11 ± 19	9 ± 19	10 ± 19	12 ± 20	19 ± 30
CD62E + CD3	6 ± 9	3 ± 7	4 ± 7	4 ± 8	15 ± 34
CD62E + CD31	11 ± 19	9 ± 19	10 ± 19	12 ± 20	22 ± 33
CD62E + CD4	11 ± 18	8 ± 18	9 ± 18	10 ± 18	21 ± 36
CD62E + CD44	4 ± 6	3 ± 6	4 ± 6	4 ± 7	4 ± 7
CD62E + CD45	1 ± 2	0 ± 0	0 ± 0	1 ± 2	1 ± 4
CD62E + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD62E + CD45RO	1 ± 3	0 ± 0	0 ± 0	0 ± 1	1 ± 3
CD62E + CD52	4 ± 5	1 ± 3	1 ± 3	4 ± 8	13 ± 30
CD62E + CD54	12 ± 19	9 ± 19	10 ± 19	12 ± 20	22 ± 35
CD62E + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	6 ± 17	6 ± 17	6 ± 17	7 ± 17	16 ± 31
CD62E + CD62P	11 ± 19	9 ± 19	10 ± 19	12 ± 20	21 ± 31
CD62E + CD68	5 ± 15	5 ± 15	6 ± 15	6 ± 15	12 ± 20
CD62E + CD7	1 ± 2	0 ± 0	0 ± 0	2 ± 5	1 ± 4
CD62E + CD8a	1 ± 2	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD62E + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	0 ± 0	0 ± 0	1 ± 2	0 ± 1	0 ± 0
CD62E + Collagen IV	3 ± 6	2 ± 6	3 ± 6	4 ± 8	13 ± 26
CD62E + FXIIIA	0 ± 0	0 ± 0	1 ± 2	0 ± 0	1 ± 2
CD62E + HLA-DR	12 ± 19	9 ± 19	10 ± 19	11 ± 19	17 ± 26
CD62E + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + IL-23R	2 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 2
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	8 ± 11	6 ± 11	7 ± 11	7 ± 11	16 ± 30
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	10 ± 18	8 ± 18	10 ± 18	10 ± 18	15 ± 22
CD62E + STAT3	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
CD62E + TIA1	1 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD62E + Vimentin	9 ± 15	7 ± 15	9 ± 15	9 ± 15	14 ± 22

Tabelle 764: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	8 ± 12	6 ± 12	6 ± 12	9 ± 13	10 ± 11
CD62P + BCL2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CCR6	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CD11a	0 ± 1	0 ± 0	0 ± 0	1 ± 4	0 ± 1
CD62P + CD11b	2 ± 3	0 ± 1	0 ± 1	0 ± 1	1 ± 3
CD62P + CD120a	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD120b	0 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 4
CD62P + CD138	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD15	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	4 ± 9	4 ± 9	4 ± 9	4 ± 9	12 ± 21
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD28	1 ± 2	1 ± 2	1 ± 2	2 ± 4	9 ± 23
CD62P + CD29	14 ± 22	12 ± 23	13 ± 23	15 ± 23	22 ± 30
CD62P + CD3	6 ± 11	4 ± 10	5 ± 11	5 ± 10	14 ± 29
CD62P + CD31	13 ± 23	12 ± 23	12 ± 23	15 ± 23	25 ± 32
CD62P + CD4	13 ± 21	11 ± 22	12 ± 22	12 ± 22	22 ± 33
CD62P + CD44	4 ± 9	4 ± 9	5 ± 9	5 ± 9	4 ± 9
CD62P + CD45	1 ± 1	0 ± 0	0 ± 0	0 ± 1	0 ± 1
CD62P + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RO	1 ± 1	0 ± 0	0 ± 0	0 ± 0	1 ± 1
CD62P + CD52	4 ± 7	2 ± 6	2 ± 6	5 ± 8	13 ± 26
CD62P + CD54	14 ± 23	12 ± 23	13 ± 23	15 ± 23	24 ± 33
CD62P + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	7 ± 19	7 ± 19	7 ± 19	8 ± 19	16 ± 30
CD62P + CD62E	11 ± 19	9 ± 19	10 ± 19	12 ± 20	21 ± 31
CD62P + CD68	6 ± 16	6 ± 16	7 ± 16	7 ± 16	12 ± 19
CD62P + CD7	0 ± 1	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD62P + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD62P + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CLA	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
CD62P + Collagen IV	4 ± 7	4 ± 7	5 ± 7	6 ± 9	14 ± 24
CD62P + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 3
CD62P + HLA-DR	14 ± 22	11 ± 23	13 ± 22	13 ± 23	18 ± 25
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	10 ± 14	8 ± 15	9 ± 14	8 ± 15	17 ± 26
CD62P + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	12 ± 20	11 ± 21	12 ± 20	12 ± 21	18 ± 23
CD62P + STAT3	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + TIA1	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	10 ± 18	9 ± 18	10 ± 17	10 ± 18	15 ± 22

Tabelle 765: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	7 ± 12	7 ± 12	9 ± 13	18 ± 33	39 ± 87
CD68 + BCL2	48 ± 52	35 ± 54	57 ± 63	220 ± 359	188 ± 296
CD68 + CCR6	85 ± 178	68 ± 181	83 ± 177	304 ± 458	184 ± 263
CD68 + CD11a	234 ± 431	187 ± 441	215 ± 432	503 ± 671	346 ± 486
CD68 + CD11b	161 ± 370	155 ± 372	156 ± 372	180 ± 363	397 ± 526
CD68 + CD120a	17 ± 51	17 ± 51	17 ± 51	17 ± 51	19 ± 51
CD68 + CD120b	42 ± 70	22 ± 62	23 ± 62	37 ± 63	136 ± 227
CD68 + CD138	12 ± 27	12 ± 27	11 ± 27	17 ± 29	11 ± 27
CD68 + CD15	2 ± 3	1 ± 3	2 ± 3	7 ± 14	2 ± 3
CD68 + CD1a	17 ± 41	16 ± 42	16 ± 42	17 ± 41	18 ± 41
CD68 + CD2	246 ± 441	205 ± 453	234 ± 442	508 ± 649	482 ± 605
CD68 + CD207	42 ± 91	41 ± 91	41 ± 91	50 ± 89	47 ± 90
CD68 + CD24	2 ± 2	1 ± 2	1 ± 2	3 ± 4	2 ± 2
CD68 + CD28	174 ± 336	131 ± 341	152 ± 336	311 ± 432	362 ± 506
CD68 + CD29	60 ± 71	46 ± 75	56 ± 71	116 ± 167	87 ± 92
CD68 + CD3	261 ± 460	198 ± 466	231 ± 455	519 ± 673	478 ± 629
CD68 + CD31	11 ± 20	11 ± 20	14 ± 19	19 ± 22	51 ± 90
CD68 + CD4	264 ± 468	205 ± 476	234 ± 464	503 ± 671	500 ± 645
CD68 + CD44	228 ± 354	188 ± 365	217 ± 353	434 ± 489	342 ± 414
CD68 + CD45	205 ± 363	163 ± 373	189 ± 364	478 ± 628	330 ± 431
CD68 + CD45RA	63 ± 107	42 ± 104	48 ± 102	133 ± 192	90 ± 124
CD68 + CD45RO	141 ± 303	114 ± 309	137 ± 303	375 ± 523	329 ± 469
CD68 + CD52	174 ± 371	147 ± 379	166 ± 374	439 ± 600	344 ± 484
CD68 + CD54	214 ± 386	154 ± 387	178 ± 379	434 ± 599	352 ± 483
CD68 + CD56	5 ± 5	4 ± 5	4 ± 4	29 ± 61	6 ± 9
CD68 + CD58	66 ± 116	59 ± 118	59 ± 118	134 ± 215	185 ± 241
CD68 + CD62E	5 ± 15	5 ± 15	6 ± 15	6 ± 15	12 ± 20
CD68 + CD62P	6 ± 16	6 ± 16	7 ± 16	7 ± 16	12 ± 19
CD68 + CD7	132 ± 281	111 ± 287	132 ± 282	314 ± 421	224 ± 325
CD68 + CD8a	58 ± 136	52 ± 138	56 ± 137	118 ± 165	132 ± 193
CD68 + CK14	39 ± 91	38 ± 91	38 ± 91	39 ± 91	38 ± 91
CD68 + CLA	76 ± 126	70 ± 129	81 ± 125	156 ± 170	93 ± 128
CD68 + c-myc	22 ± 55	23 ± 55	23 ± 54	39 ± 71	24 ± 54
CD68 + Collagen IV	20 ± 34	19 ± 35	22 ± 33	42 ± 48	45 ± 49
CD68 + FXIIIA	33 ± 35	27 ± 34	32 ± 33	145 ± 211	172 ± 270
CD68 + HLA-DR	253 ± 375	204 ± 383	227 ± 372	397 ± 444	370 ± 436
CD68 + IL-22R	23 ± 66	23 ± 66	23 ± 66	23 ± 66	24 ± 66
CD68 + IL-23R	16 ± 30	8 ± 12	7 ± 12	11 ± 14	41 ± 77
CD68 + Ki67	1 ± 3	1 ± 3	1 ± 3	5 ± 9	1 ± 3
CD68 + PI	206 ± 352	175 ± 362	196 ± 353	385 ± 452	394 ± 477
CD68 + Podoplanin	24 ± 58	23 ± 58	24 ± 58	39 ± 65	38 ± 68
CD68 + SNA1	85 ± 105	59 ± 93	72 ± 87	85 ± 83	99 ± 98
CD68 + STAT3	6 ± 8	6 ± 9	5 ± 8	22 ± 33	7 ± 9
CD68 + TIA1	29 ± 62	23 ± 64	25 ± 63	40 ± 68	41 ± 69
CD68 + Vimentin	264 ± 450	212 ± 456	237 ± 445	447 ± 565	346 ± 475

Tabelle 766: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	4 ± 5	3 ± 5	3 ± 5	14 ± 33	7 ± 7
CD7 + BCL2	129 ± 134	79 ± 140	159 ± 203	519 ± 780	512 ± 795
CD7 + CCR6	237 ± 273	148 ± 286	219 ± 276	925 ± 1259	536 ± 727
CD7 + CD11a	645 ± 738	443 ± 781	596 ± 742	1923 ± 2714	1213 ± 1211
CD7 + CD11b	196 ± 375	179 ± 382	190 ± 377	275 ± 381	510 ± 544
CD7 + CD120a	7 ± 13	4 ± 10	4 ± 10	5 ± 10	13 ± 22
CD7 + CD120b	130 ± 196	58 ± 159	82 ± 158	204 ± 266	613 ± 1072
CD7 + CD138	6 ± 12	1 ± 2	2 ± 2	5 ± 8	2 ± 2
CD7 + CD15	2 ± 3	1 ± 2	1 ± 2	7 ± 16	2 ± 3
CD7 + CD1a	22 ± 35	9 ± 16	9 ± 16	20 ± 26	64 ± 94
CD7 + CD2	637 ± 740	450 ± 792	596 ± 753	1695 ± 2065	1243 ± 1248
CD7 + CD207	40 ± 50	28 ± 51	36 ± 48	87 ± 136	106 ± 130
CD7 + CD24	5 ± 6	3 ± 5	6 ± 8	17 ± 29	4 ± 5
CD7 + CD28	562 ± 665	372 ± 696	503 ± 672	1586 ± 2238	1145 ± 1249
CD7 + CD29	86 ± 76	46 ± 73	56 ± 68	211 ± 390	91 ± 73
CD7 + CD3	678 ± 774	463 ± 814	624 ± 774	1970 ± 2668	1273 ± 1268
CD7 + CD31	5 ± 11	5 ± 11	6 ± 11	16 ± 22	20 ± 34
CD7 + CD4	642 ± 749	439 ± 784	579 ± 745	1704 ± 2144	1236 ± 1276
CD7 + CD44	570 ± 617	399 ± 667	555 ± 633	1773 ± 2524	973 ± 880
CD7 + CD45	613 ± 692	419 ± 739	569 ± 700	1894 ± 2620	1180 ± 1182
CD7 + CD45RA	163 ± 195	108 ± 201	129 ± 193	386 ± 463	287 ± 288
CD7 + CD45RO	397 ± 528	253 ± 542	384 ± 538	1428 ± 2214	976 ± 1256
CD7 + CD52	509 ± 667	367 ± 715	500 ± 693	1713 ± 2585	1096 ± 1174
CD7 + CD54	529 ± 609	345 ± 641	442 ± 605	1538 ± 2295	922 ± 910
CD7 + CD56	9 ± 15	3 ± 6	9 ± 8	18 ± 30	11 ± 9
CD7 + CD58	134 ± 208	86 ± 185	88 ± 184	355 ± 710	539 ± 759
CD7 + CD62E	1 ± 2	0 ± 0	0 ± 0	2 ± 5	1 ± 4
CD7 + CD62P	0 ± 1	0 ± 0	0 ± 0	1 ± 4	0 ± 0
CD7 + CD68	132 ± 281	111 ± 287	132 ± 282	314 ± 421	224 ± 325
CD7 + CD8a	260 ± 335	200 ± 360	244 ± 344	715 ± 884	630 ± 674
CD7 + CK14	27 ± 41	17 ± 34	17 ± 34	24 ± 34	17 ± 34
CD7 + CLA	162 ± 171	126 ± 188	169 ± 177	528 ± 746	295 ± 228
CD7 + c-myc	8 ± 11	4 ± 9	7 ± 9	20 ± 42	5 ± 8
CD7 + Collagen IV	29 ± 43	21 ± 41	24 ± 40	126 ± 242	43 ± 46
CD7 + FXIIIA	12 ± 10	8 ± 12	18 ± 16	80 ± 125	68 ± 95
CD7 + HLA-DR	509 ± 537	341 ± 562	453 ± 531	1401 ± 2108	814 ± 734
CD7 + IL-22R	6 ± 9	4 ± 8	4 ± 8	6 ± 9	9 ± 11
CD7 + IL-23R	7 ± 19	1 ± 2	1 ± 2	4 ± 5	19 ± 36
CD7 + Ki67	1 ± 3	1 ± 3	1 ± 3	3 ± 6	1 ± 3
CD7 + PI	532 ± 633	390 ± 688	511 ± 645	1507 ± 2078	1052 ± 1024
CD7 + Podoplanin	35 ± 77	28 ± 77	30 ± 77	88 ± 132	52 ± 92
CD7 + SNA1	139 ± 171	74 ± 122	119 ± 123	160 ± 122	123 ± 109
CD7 + STAT3	10 ± 17	3 ± 5	4 ± 5	11 ± 17	4 ± 5
CD7 + TIA1	94 ± 128	65 ± 135	76 ± 131	168 ± 219	153 ± 159
CD7 + Vimentin	342 ± 478	223 ± 484	315 ± 470	891 ± 1137	410 ± 503

Tabelle 767: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	6 ± 15	0 ± 0	0 ± 0	3 ± 8	3 ± 5
CD8a + BCL2	67 ± 68	46 ± 71	71 ± 80	213 ± 283	345 ± 579
CD8a + CCR6	123 ± 147	83 ± 150	101 ± 143	379 ± 439	316 ± 463
CD8a + CD11a	337 ± 380	248 ± 411	294 ± 392	787 ± 948	703 ± 707
CD8a + CD11b	106 ± 188	97 ± 192	99 ± 191	143 ± 197	335 ± 385
CD8a + CD120a	2 ± 6	0 ± 1	0 ± 1	1 ± 2	7 ± 15
CD8a + CD120b	58 ± 96	34 ± 95	39 ± 93	88 ± 112	355 ± 632
CD8a + CD138	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD8a + CD15	1 ± 2	0 ± 1	0 ± 1	2 ± 3	1 ± 2
CD8a + CD1a	9 ± 12	6 ± 12	6 ± 12	12 ± 14	24 ± 30
CD8a + CD2	339 ± 390	254 ± 422	300 ± 402	749 ± 802	741 ± 768
CD8a + CD207	12 ± 16	9 ± 17	13 ± 15	27 ± 34	38 ± 49
CD8a + CD24	3 ± 4	2 ± 4	4 ± 6	11 ± 18	3 ± 4
CD8a + CD28	281 ± 342	195 ± 365	235 ± 351	633 ± 807	654 ± 756
CD8a + CD29	49 ± 44	29 ± 42	30 ± 41	89 ± 136	48 ± 37
CD8a + CD3	349 ± 392	258 ± 424	304 ± 403	807 ± 932	750 ± 768
CD8a + CD31	5 ± 11	1 ± 2	1 ± 2	2 ± 2	6 ± 12
CD8a + CD4	312 ± 371	229 ± 399	267 ± 382	653 ± 679	707 ± 773
CD8a + CD44	289 ± 298	222 ± 331	267 ± 310	734 ± 889	523 ± 416
CD8a + CD45	326 ± 366	239 ± 397	284 ± 378	783 ± 931	696 ± 710
CD8a + CD45RA	105 ± 108	73 ± 120	78 ± 118	178 ± 165	218 ± 224
CD8a + CD45RO	178 ± 272	128 ± 283	167 ± 277	552 ± 805	559 ± 774
CD8a + CD52	288 ± 370	209 ± 394	249 ± 381	711 ± 934	666 ± 748
CD8a + CD54	270 ± 295	191 ± 321	221 ± 307	598 ± 761	523 ± 518
CD8a + CD56	7 ± 9	4 ± 6	4 ± 6	6 ± 7	8 ± 7
CD8a + CD58	72 ± 113	50 ± 107	50 ± 107	144 ± 242	315 ± 472
CD8a + CD62E	1 ± 2	0 ± 0	0 ± 0	0 ± 1	2 ± 4
CD8a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 3
CD8a + CD68	58 ± 136	52 ± 138	56 ± 137	118 ± 165	132 ± 193
CD8a + CD7	260 ± 335	200 ± 360	244 ± 344	715 ± 884	630 ± 674
CD8a + CK14	10 ± 22	10 ± 22	10 ± 22	10 ± 22	11 ± 22
CD8a + CLA	120 ± 119	96 ± 130	114 ± 121	267 ± 265	186 ± 123
CD8a + c-myc	4 ± 10	4 ± 10	4 ± 10	5 ± 11	4 ± 10
CD8a + Collagen IV	15 ± 20	9 ± 14	10 ± 13	42 ± 73	17 ± 12
CD8a + FXIIIA	4 ± 5	4 ± 6	6 ± 7	23 ± 35	48 ± 81
CD8a + HLA-DR	254 ± 256	195 ± 282	226 ± 267	589 ± 748	456 ± 355
CD8a + IL-22R	3 ± 5	3 ± 5	3 ± 5	4 ± 6	6 ± 7
CD8a + IL-23R	4 ± 11	1 ± 2	0 ± 0	1 ± 1	11 ± 22
CD8a + Ki67	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + PI	297 ± 340	224 ± 370	262 ± 352	666 ± 791	622 ± 596
CD8a + Podoplanin	11 ± 23	11 ± 23	11 ± 23	28 ± 32	19 ± 32
CD8a + SNA1	55 ± 55	35 ± 48	48 ± 49	69 ± 60	59 ± 42
CD8a + STAT3	2 ± 3	2 ± 3	1 ± 3	3 ± 4	2 ± 3
CD8a + TIA1	77 ± 101	54 ± 105	59 ± 103	126 ± 149	137 ± 141
CD8a + Vimentin	154 ± 237	117 ± 245	141 ± 238	356 ± 408	204 ± 241

Tabelle 768: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CK14 + BCL2	62 ± 176	60 ± 177	60 ± 177	62 ± 176	60 ± 177
CK14 + CCR6	6 ± 9	4 ± 9	4 ± 9	6 ± 10	5 ± 9
CK14 + CD11a	75 ± 152	60 ± 152	61 ± 152	67 ± 150	62 ± 152
CK14 + CD11b	4 ± 8	4 ± 8	4 ± 8	4 ± 8	4 ± 8
CK14 + CD120a	26 ± 79	26 ± 79	26 ± 79	26 ± 79	26 ± 79
CK14 + CD120b	4 ± 8	2 ± 4	2 ± 4	3 ± 5	2 ± 4
CK14 + CD138	83 ± 179	62 ± 176	64 ± 176	63 ± 176	62 ± 176
CK14 + CD15	2 ± 4	1 ± 4	1 ± 4	2 ± 4	1 ± 4
CK14 + CD1a	34 ± 82	28 ± 82	29 ± 82	28 ± 82	28 ± 82
CK14 + CD2	75 ± 147	61 ± 147	61 ± 147	64 ± 146	62 ± 147
CK14 + CD207	94 ± 271	91 ± 272	92 ± 271	91 ± 272	91 ± 272
CK14 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD28	30 ± 50	16 ± 37	17 ± 37	19 ± 37	18 ± 37
CK14 + CD29	41 ± 81	37 ± 83	37 ± 83	40 ± 82	37 ± 83
CK14 + CD3	61 ± 104	44 ± 100	44 ± 100	50 ± 98	45 ± 99
CK14 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD4	46 ± 73	31 ± 67	31 ± 66	33 ± 65	32 ± 66
CK14 + CD44	153 ± 393	141 ± 397	142 ± 396	146 ± 395	143 ± 396
CK14 + CD45	54 ± 101	41 ± 101	42 ± 101	45 ± 99	42 ± 100
CK14 + CD45RA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD45RO	23 ± 38	11 ± 25	11 ± 25	14 ± 25	12 ± 24
CK14 + CD52	5 ± 8	3 ± 8	3 ± 8	5 ± 10	4 ± 8
CK14 + CD54	15 ± 30	9 ± 26	9 ± 26	10 ± 26	9 ± 26
CK14 + CD56	1 ± 2	0 ± 1	0 ± 1	1 ± 2	0 ± 1
CK14 + CD58	75 ± 148	52 ± 142	54 ± 141	53 ± 141	53 ± 141
CK14 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD68	39 ± 91	38 ± 91	38 ± 91	39 ± 91	38 ± 91
CK14 + CD7	27 ± 41	17 ± 34	17 ± 34	24 ± 34	17 ± 34
CK14 + CD8a	10 ± 22	10 ± 22	10 ± 22	10 ± 22	11 ± 22
CK14 + CLA	57 ± 156	56 ± 157	56 ± 157	58 ± 156	56 ± 157
CK14 + c-myc	83 ± 237	80 ± 238	80 ± 238	84 ± 237	81 ± 238
CK14 + Collagen IV	3 ± 6	1 ± 1	1 ± 2	5 ± 9	1 ± 2
CK14 + FXIIIA	1 ± 2	1 ± 1	1 ± 1	1 ± 2	1 ± 1
CK14 + HLA-DR	142 ± 344	127 ± 347	128 ± 347	132 ± 345	128 ± 347
CK14 + IL-22R	95 ± 270	92 ± 271	92 ± 271	92 ± 271	92 ± 271
CK14 + IL-23R	9 ± 17	5 ± 16	5 ± 16	5 ± 16	6 ± 16
CK14 + Ki67	5 ± 10	5 ± 11	5 ± 11	5 ± 11	5 ± 11
CK14 + PI	69 ± 161	60 ± 163	60 ± 163	63 ± 161	60 ± 162
CK14 + Podoplanin	5 ± 6	2 ± 5	2 ± 5	3 ± 5	2 ± 5
CK14 + SNA1	14 ± 26	5 ± 12	6 ± 12	9 ± 12	6 ± 11
CK14 + STAT3	23 ± 43	13 ± 37	13 ± 37	14 ± 37	13 ± 37
CK14 + TIA1	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + Vimentin	62 ± 126	53 ± 128	54 ± 127	57 ± 126	54 ± 127

Tabelle 769: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	1 ± 2	0 ± 1	0 ± 1	4 ± 11	1 ± 3
CLA + BCL2	84 ± 75	65 ± 80	92 ± 83	217 ± 280	149 ± 159
CLA + CCR6	115 ± 124	79 ± 115	104 ± 109	317 ± 352	157 ± 133
CLA + CD11a	298 ± 248	235 ± 286	288 ± 258	674 ± 811	422 ± 280
CLA + CD11b	98 ± 126	89 ± 130	93 ± 128	137 ± 137	168 ± 117
CLA + CD120a	13 ± 39	13 ± 39	13 ± 39	14 ± 39	14 ± 39
CLA + CD120b	41 ± 62	22 ± 53	29 ± 53	79 ± 123	130 ± 229
CLA + CD138	13 ± 34	12 ± 35	12 ± 34	14 ± 34	12 ± 35
CLA + CD15	3 ± 5	1 ± 2	1 ± 2	5 ± 9	1 ± 2
CLA + CD1a	12 ± 24	11 ± 25	11 ± 25	21 ± 30	50 ± 75
CLA + CD2	305 ± 255	245 ± 293	297 ± 264	635 ± 610	446 ± 280
CLA + CD207	40 ± 87	37 ± 89	43 ± 86	82 ± 125	87 ± 110
CLA + CD24	3 ± 3	2 ± 3	3 ± 4	9 ± 17	2 ± 2
CLA + CD28	198 ± 191	141 ± 214	186 ± 199	482 ± 657	325 ± 288
CLA + CD29	54 ± 48	36 ± 52	39 ± 50	101 ± 162	55 ± 50
CLA + CD3	303 ± 247	236 ± 287	291 ± 259	692 ± 795	440 ± 291
CLA + CD31	1 ± 3	1 ± 3	1 ± 3	2 ± 3	6 ± 10
CLA + CD4	275 ± 245	216 ± 280	264 ± 256	600 ± 641	414 ± 302
CLA + CD44	294 ± 247	244 ± 282	298 ± 251	677 ± 786	413 ± 238
CLA + CD45	254 ± 216	198 ± 247	248 ± 222	640 ± 795	380 ± 248
CLA + CD45RA	75 ± 60	50 ± 70	56 ± 67	172 ± 208	94 ± 64
CLA + CD45RO	140 ± 186	102 ± 197	148 ± 194	456 ± 724	274 ± 303
CLA + CD52	201 ± 224	147 ± 242	191 ± 231	566 ± 845	313 ± 260
CLA + CD54	195 ± 181	132 ± 199	168 ± 184	491 ± 768	271 ± 200
CLA + CD56	5 ± 7	3 ± 6	5 ± 7	12 ± 24	5 ± 9
CLA + CD58	53 ± 77	46 ± 80	47 ± 80	90 ± 107	147 ± 164
CLA + CD62E	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	76 ± 126	70 ± 129	81 ± 125	156 ± 170	93 ± 128
CLA + CD7	162 ± 171	126 ± 188	169 ± 177	528 ± 746	295 ± 228
CLA + CD8a	120 ± 119	96 ± 130	114 ± 121	267 ± 265	186 ± 123
CLA + CK14	57 ± 156	56 ± 157	56 ± 157	58 ± 156	56 ± 157
CLA + c-myc	17 ± 45	15 ± 45	15 ± 45	23 ± 47	15 ± 45
CLA + Collagen IV	9 ± 14	8 ± 14	8 ± 14	34 ± 57	14 ± 14
CLA + FXIIIA	9 ± 8	7 ± 9	12 ± 13	38 ± 61	20 ± 23
CLA + HLA-DR	268 ± 228	223 ± 261	263 ± 235	565 ± 691	364 ± 222
CLA + IL-22R	25 ± 72	25 ± 72	25 ± 72	25 ± 72	26 ± 72
CLA + IL-23R	4 ± 6	2 ± 3	2 ± 3	3 ± 4	7 ± 14
CLA + Ki67	2 ± 5	2 ± 5	2 ± 5	4 ± 7	2 ± 5
CLA + PI	255 ± 208	201 ± 243	242 ± 217	557 ± 632	374 ± 239
CLA + Podoplanin	16 ± 27	14 ± 28	15 ± 28	47 ± 86	19 ± 30
CLA + SNA1	55 ± 50	41 ± 52	61 ± 52	70 ± 53	57 ± 46
CLA + STAT3	3 ± 5	2 ± 4	2 ± 4	7 ± 11	2 ± 4
CLA + TIA1	38 ± 47	26 ± 51	29 ± 49	74 ± 89	55 ± 53
CLA + Vimentin	179 ± 208	143 ± 223	183 ± 209	358 ± 362	210 ± 210

Tabelle 770: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	5 ± 6	2 ± 5	3 ± 5	14 ± 35	2 ± 5
c-myc + BCL2	57 ± 154	53 ± 155	55 ± 155	60 ± 154	56 ± 155
c-myc + CCR6	3 ± 3	2 ± 2	1 ± 2	24 ± 67	2 ± 3
c-myc + CD11a	26 ± 49	18 ± 48	20 ± 47	45 ± 85	21 ± 47
c-myc + CD11b	7 ± 15	8 ± 15	7 ± 15	7 ± 15	10 ± 15
c-myc + CD120a	13 ± 38	13 ± 38	13 ± 38	13 ± 38	13 ± 38
c-myc + CD120b	3 ± 7	0 ± 1	1 ± 3	1 ± 1	2 ± 2
c-myc + CD138	51 ± 146	50 ± 146	50 ± 146	55 ± 145	49 ± 146
c-myc + CD15	2 ± 4	1 ± 4	1 ± 4	6 ± 15	1 ± 4
c-myc + CD1a	20 ± 58	20 ± 58	20 ± 58	20 ± 58	20 ± 58
c-myc + CD2	24 ± 47	18 ± 47	18 ± 47	28 ± 51	21 ± 46
c-myc + CD207	54 ± 162	54 ± 162	54 ± 162	55 ± 162	54 ± 162
c-myc + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
c-myc + CD28	13 ± 21	7 ± 15	9 ± 14	17 ± 28	10 ± 14
c-myc + CD29	37 ± 82	33 ± 83	35 ± 82	53 ± 97	32 ± 83
c-myc + CD3	22 ± 34	14 ± 28	17 ± 27	35 ± 65	16 ± 27
c-myc + CD31	5 ± 8	3 ± 8	4 ± 8	4 ± 8	3 ± 8
c-myc + CD4	21 ± 32	12 ± 27	17 ± 26	20 ± 29	16 ± 26
c-myc + CD44	84 ± 225	80 ± 226	82 ± 226	99 ± 227	80 ± 226
c-myc + CD45	21 ± 38	14 ± 38	16 ± 37	35 ± 65	16 ± 37
c-myc + CD45RA	4 ± 5	3 ± 5	2 ± 4	12 ± 30	2 ± 4
c-myc + CD45RO	7 ± 11	2 ± 4	4 ± 7	28 ± 77	5 ± 6
c-myc + CD52	5 ± 7	3 ± 6	2 ± 5	30 ± 81	3 ± 6
c-myc + CD54	13 ± 18	9 ± 18	12 ± 17	24 ± 44	11 ± 17
c-myc + CD56	2 ± 4	2 ± 5	1 ± 2	22 ± 63	1 ± 2
c-myc + CD58	45 ± 115	42 ± 117	42 ± 116	46 ± 115	43 ± 116
c-myc + CD62E	0 ± 0	0 ± 0	1 ± 2	0 ± 1	0 ± 0
c-myc + CD62P	1 ± 2	1 ± 2	2 ± 3	1 ± 2	1 ± 2
c-myc + CD68	22 ± 55	23 ± 55	23 ± 54	39 ± 71	24 ± 54
c-myc + CD7	8 ± 11	4 ± 9	7 ± 9	20 ± 42	5 ± 8
c-myc + CD8a	4 ± 10	4 ± 10	4 ± 10	5 ± 11	4 ± 10
c-myc + CK14	83 ± 237	80 ± 238	80 ± 238	84 ± 237	81 ± 238
c-myc + CLA	17 ± 45	15 ± 45	15 ± 45	23 ± 47	15 ± 45
c-myc + Collagen IV	14 ± 21	8 ± 16	11 ± 15	12 ± 17	9 ± 16
c-myc + FXIIIA	4 ± 6	5 ± 8	3 ± 6	21 ± 55	5 ± 9
c-myc + HLA-DR	77 ± 197	72 ± 199	74 ± 198	93 ± 202	72 ± 199
c-myc + IL-22R	63 ± 189	63 ± 189	63 ± 190	63 ± 190	63 ± 190
c-myc + IL-23R	9 ± 15	7 ± 14	6 ± 14	6 ± 14	7 ± 14
c-myc + Ki67	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
c-myc + PI	28 ± 60	22 ± 59	24 ± 59	43 ± 81	25 ± 59
c-myc + Podoplanin	3 ± 4	3 ± 5	2 ± 4	16 ± 42	2 ± 4
c-myc + SNA1	18 ± 26	12 ± 22	16 ± 22	14 ± 22	11 ± 22
c-myc + STAT3	15 ± 38	15 ± 38	14 ± 39	27 ± 52	13 ± 39
c-myc + TIA1	3 ± 4	2 ± 4	2 ± 4	9 ± 20	2 ± 4
c-myc + Vimentin	25 ± 49	22 ± 50	24 ± 49	32 ± 55	21 ± 50

Tabelle 771: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	29 ± 61	8 ± 12	10 ± 11	19 ± 29	39 ± 72
Collagen IV + BCL2	10 ± 22	3 ± 5	5 ± 6	26 ± 46	27 ± 46
Collagen IV + CCR6	12 ± 20	10 ± 21	12 ± 20	64 ± 94	15 ± 20
Collagen IV + CD11a	67 ± 104	36 ± 67	40 ± 65	160 ± 282	69 ± 78
Collagen IV + CD11b	20 ± 30	20 ± 31	20 ± 31	26 ± 29	34 ± 27
Collagen IV + CD120a	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Collagen IV + CD120b	11 ± 25	3 ± 7	3 ± 7	11 ± 17	28 ± 49
Collagen IV + CD138	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Collagen IV + CD15	1 ± 3	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Collagen IV + CD1a	0 ± 0	0 ± 0	0 ± 0	1 ± 3	1 ± 2
Collagen IV + CD2	70 ± 102	37 ± 63	42 ± 61	126 ± 166	108 ± 100
Collagen IV + CD207	1 ± 2	1 ± 2	1 ± 2	7 ± 19	1 ± 3
Collagen IV + CD24	0 ± 1	0 ± 1	0 ± 1	2 ± 4	1 ± 1
Collagen IV + CD28	69 ± 116	30 ± 58	33 ± 56	126 ± 211	95 ± 102
Collagen IV + CD29	61 ± 86	30 ± 36	34 ± 33	77 ± 111	77 ± 62
Collagen IV + CD3	95 ± 146	47 ± 82	55 ± 77	185 ± 296	109 ± 102
Collagen IV + CD31	31 ± 59	11 ± 17	13 ± 16	21 ± 28	62 ± 88
Collagen IV + CD4	98 ± 144	51 ± 87	59 ± 82	143 ± 185	128 ± 115
Collagen IV + CD44	62 ± 70	47 ± 68	54 ± 63	178 ± 294	76 ± 62
Collagen IV + CD45	56 ± 84	29 ± 53	34 ± 51	147 ± 252	70 ± 61
Collagen IV + CD45RA	12 ± 22	10 ± 22	10 ± 22	27 ± 37	13 ± 21
Collagen IV + CD45RO	32 ± 55	16 ± 40	20 ± 38	105 ± 196	51 ± 66
Collagen IV + CD52	57 ± 96	27 ± 57	30 ± 56	153 ± 308	87 ± 97
Collagen IV + CD54	68 ± 81	44 ± 64	51 ± 59	156 ± 262	86 ± 71
Collagen IV + CD56	4 ± 8	2 ± 5	3 ± 5	4 ± 5	5 ± 9
Collagen IV + CD58	38 ± 74	14 ± 31	14 ± 31	27 ± 36	66 ± 94
Collagen IV + CD62E	3 ± 6	2 ± 6	3 ± 6	4 ± 8	13 ± 26
Collagen IV + CD62P	4 ± 7	4 ± 7	5 ± 7	6 ± 9	14 ± 24
Collagen IV + CD68	20 ± 34	19 ± 35	22 ± 33	42 ± 48	45 ± 49
Collagen IV + CD7	29 ± 43	21 ± 41	24 ± 40	126 ± 242	43 ± 46
Collagen IV + CD8a	15 ± 20	9 ± 14	10 ± 13	42 ± 73	17 ± 12
Collagen IV + CK14	3 ± 6	1 ± 1	1 ± 2	5 ± 9	1 ± 2
Collagen IV + CLA	9 ± 14	8 ± 14	8 ± 14	34 ± 57	14 ± 14
Collagen IV + c-myc	14 ± 21	8 ± 16	11 ± 15	12 ± 17	9 ± 16
Collagen IV + FXIIIA	2 ± 4	2 ± 4	3 ± 4	6 ± 7	7 ± 7
Collagen IV + HLA-DR	73 ± 84	51 ± 74	55 ± 70	160 ± 260	88 ± 68
Collagen IV + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + IL-23R	8 ± 20	1 ± 3	1 ± 3	1 ± 3	9 ± 19
Collagen IV + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + PI	72 ± 91	43 ± 60	49 ± 55	130 ± 205	106 ± 84
Collagen IV + Podoplanin	15 ± 36	14 ± 37	15 ± 36	32 ± 52	14 ± 37
Collagen IV + SNA1	73 ± 102	38 ± 49	45 ± 44	72 ± 68	71 ± 46
Collagen IV + STAT3	2 ± 3	2 ± 3	2 ± 3	2 ± 3	4 ± 4
Collagen IV + TIA1	7 ± 11	5 ± 10	5 ± 10	8 ± 11	6 ± 10
Collagen IV + Vimentin	54 ± 82	32 ± 66	39 ± 63	94 ± 137	51 ± 67

Tabelle 772: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	3 ± 4	2 ± 3	3 ± 3	13 ± 33	2 ± 4
FXIIIA + BCL2	7 ± 9	6 ± 9	14 ± 17	72 ± 132	97 ± 166
FXIIIA + CCR6	15 ± 14	12 ± 15	18 ± 15	119 ± 194	85 ± 132
FXIIIA + CD11a	36 ± 35	29 ± 38	39 ± 35	158 ± 236	122 ± 145
FXIIIA + CD11b	36 ± 33	32 ± 36	33 ± 35	44 ± 31	192 ± 266
FXIIIA + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 2
FXIIIA + CD120b	7 ± 18	0 ± 1	1 ± 1	2 ± 3	51 ± 101
FXIIIA + CD138	2 ± 3	2 ± 3	1 ± 2	7 ± 16	1 ± 2
FXIIIA + CD15	2 ± 5	0 ± 0	1 ± 2	7 ± 19	0 ± 0
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1 ± 1
FXIIIA + CD2	36 ± 45	32 ± 47	41 ± 45	145 ± 208	201 ± 276
FXIIIA + CD207	0 ± 1	0 ± 1	1 ± 1	5 ± 12	3 ± 5
FXIIIA + CD24	1 ± 1	1 ± 1	1 ± 2	1 ± 2	1 ± 1
FXIIIA + CD28	23 ± 26	14 ± 21	22 ± 20	79 ± 125	137 ± 220
FXIIIA + CD29	9 ± 9	8 ± 9	11 ± 10	44 ± 87	19 ± 14
FXIIIA + CD3	46 ± 42	32 ± 39	45 ± 38	158 ± 221	221 ± 318
FXIIIA + CD31	2 ± 5	2 ± 5	3 ± 5	4 ± 7	7 ± 8
FXIIIA + CD4	48 ± 51	35 ± 51	44 ± 46	143 ± 211	216 ± 304
FXIIIA + CD44	40 ± 34	36 ± 37	47 ± 36	130 ± 162	131 ± 134
FXIIIA + CD45	34 ± 32	26 ± 35	37 ± 35	149 ± 224	120 ± 139
FXIIIA + CD45RA	13 ± 17	12 ± 17	14 ± 17	45 ± 61	40 ± 49
FXIIIA + CD45RO	21 ± 21	15 ± 21	25 ± 24	124 ± 204	153 ± 237
FXIIIA + CD52	27 ± 37	24 ± 38	31 ± 37	145 ± 225	133 ± 189
FXIIIA + CD54	35 ± 41	24 ± 39	34 ± 38	135 ± 204	138 ± 190
FXIIIA + CD56	3 ± 5	3 ± 6	3 ± 5	30 ± 64	6 ± 7
FXIIIA + CD58	5 ± 8	4 ± 8	4 ± 8	38 ± 89	49 ± 86
FXIIIA + CD62E	0 ± 0	0 ± 0	1 ± 2	0 ± 0	1 ± 2
FXIIIA + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 3
FXIIIA + CD68	33 ± 35	27 ± 34	32 ± 33	145 ± 211	172 ± 270
FXIIIA + CD7	12 ± 10	8 ± 12	18 ± 16	80 ± 125	68 ± 95
FXIIIA + CD8a	4 ± 5	4 ± 6	6 ± 7	23 ± 35	48 ± 81
FXIIIA + CK14	1 ± 2	1 ± 1	1 ± 1	1 ± 2	1 ± 1
FXIIIA + CLA	9 ± 8	7 ± 9	12 ± 13	38 ± 61	20 ± 23
FXIIIA + c-myc	4 ± 6	5 ± 8	3 ± 6	21 ± 55	5 ± 9
FXIIIA + Collagen IV	2 ± 4	2 ± 4	3 ± 4	6 ± 7	7 ± 7
FXIIIA + HLA-DR	48 ± 40	39 ± 42	48 ± 38	113 ± 139	142 ± 149
FXIIIA + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
FXIIIA + IL-23R	9 ± 20	3 ± 7	3 ± 6	5 ± 9	23 ± 44
FXIIIA + Ki67	0 ± 0	0 ± 0	0 ± 0	3 ± 7	0 ± 0
FXIIIA + PI	42 ± 39	33 ± 42	43 ± 41	120 ± 144	178 ± 232
FXIIIA + Podoplanin	4 ± 7	4 ± 7	4 ± 7	22 ± 47	13 ± 28
FXIIIA + SNA1	21 ± 16	17 ± 17	22 ± 16	28 ± 15	42 ± 28
FXIIIA + STAT3	3 ± 5	3 ± 5	2 ± 4	19 ± 38	1 ± 3
FXIIIA + TIA1	6 ± 7	3 ± 5	5 ± 6	14 ± 30	9 ± 12
FXIIIA + Vimentin	39 ± 38	30 ± 37	37 ± 37	119 ± 170	124 ± 153

Tabelle 773: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	16 ± 16	11 ± 17	12 ± 16	29 ± 51	28 ± 38
HLA-DR + BCL2	192 ± 157	131 ± 168	198 ± 190	449 ± 563	413 ± 495
HLA-DR + CCR6	304 ± 288	193 ± 310	263 ± 291	837 ± 1051	509 ± 536
HLA-DR + CD11a	977 ± 954	622 ± 880	761 ± 812	1869 ± 2501	1222 ± 979
HLA-DR + CD11b	328 ± 428	298 ± 447	303 ± 443	392 ± 421	630 ± 477
HLA-DR + CD120a	35 ± 82	28 ± 83	29 ± 83	29 ± 83	36 ± 82
HLA-DR + CD120b	154 ± 264	48 ± 117	68 ± 116	159 ± 214	426 ± 752
HLA-DR + CD138	60 ± 139	49 ± 140	50 ± 139	54 ± 138	49 ± 140
HLA-DR + CD15	8 ± 10	2 ± 4	3 ± 4	10 ± 20	4 ± 4
HLA-DR + CD1a	47 ± 77	33 ± 74	34 ± 74	43 ± 73	83 ± 102
HLA-DR + CD2	934 ± 891	633 ± 897	762 ± 830	1603 ± 1651	1332 ± 1076
HLA-DR + CD207	120 ± 248	109 ± 252	118 ± 249	168 ± 263	183 ± 250
HLA-DR + CD24	10 ± 8	7 ± 8	9 ± 9	22 ± 28	10 ± 6
HLA-DR + CD28	755 ± 828	438 ± 720	559 ± 678	1393 ± 1900	1086 ± 1067
HLA-DR + CD29	187 ± 141	123 ± 149	136 ± 139	298 ± 417	187 ± 111
HLA-DR + CD3	1069 ± 1079	656 ± 929	809 ± 854	1937 ± 2449	1405 ± 1147
HLA-DR + CD31	26 ± 28	18 ± 27	20 ± 26	27 ± 28	55 ± 61
HLA-DR + CD4	1032 ± 1076	649 ± 950	779 ± 880	1642 ± 1740	1378 ± 1170
HLA-DR + CD44	1023 ± 844	724 ± 890	874 ± 798	1980 ± 2461	1332 ± 896
HLA-DR + CD45	871 ± 826	550 ± 789	687 ± 724	1776 ± 2353	1137 ± 901
HLA-DR + CD45RA	222 ± 222	137 ± 202	156 ± 192	361 ± 386	262 ± 198
HLA-DR + CD45RO	537 ± 684	294 ± 572	405 ± 552	1275 ± 2026	895 ± 1065
HLA-DR + CD52	678 ± 791	443 ± 797	558 ± 763	1617 ± 2534	1023 ± 964
HLA-DR + CD54	819 ± 867	478 ± 750	567 ± 702	1503 ± 2129	1000 ± 832
HLA-DR + CD56	16 ± 21	10 ± 15	12 ± 14	34 ± 56	21 ± 16
HLA-DR + CD58	225 ± 290	137 ± 216	140 ± 214	311 ± 435	491 ± 555
HLA-DR + CD62E	12 ± 19	9 ± 19	10 ± 19	11 ± 19	17 ± 26
HLA-DR + CD62P	14 ± 22	11 ± 23	13 ± 22	13 ± 23	18 ± 25
HLA-DR + CD68	253 ± 375	204 ± 383	227 ± 372	397 ± 444	370 ± 436
HLA-DR + CD7	509 ± 537	341 ± 562	453 ± 531	1401 ± 2108	814 ± 734
HLA-DR + CD8a	254 ± 256	195 ± 282	226 ± 267	589 ± 748	456 ± 355
HLA-DR + CK14	142 ± 344	127 ± 347	128 ± 347	132 ± 345	128 ± 347
HLA-DR + CLA	268 ± 228	223 ± 261	263 ± 235	565 ± 691	364 ± 222
HLA-DR + c-myc	77 ± 197	72 ± 199	74 ± 198	93 ± 202	72 ± 199
HLA-DR + Collagen IV	73 ± 84	51 ± 74	55 ± 70	160 ± 260	88 ± 68
HLA-DR + FXIIIA	48 ± 40	39 ± 42	48 ± 38	113 ± 139	142 ± 149
HLA-DR + IL-22R	81 ± 228	79 ± 229	79 ± 229	80 ± 228	82 ± 228
HLA-DR + IL-23R	31 ± 63	9 ± 16	9 ± 16	12 ± 17	36 ± 56
HLA-DR + Ki67	6 ± 12	6 ± 12	6 ± 12	8 ± 12	6 ± 12
HLA-DR + PI	876 ± 796	599 ± 820	708 ± 753	1589 ± 2008	1190 ± 908
HLA-DR + Podoplanin	70 ± 123	60 ± 124	61 ± 124	134 ± 180	88 ± 128
HLA-DR + SNA1	270 ± 347	140 ± 172	185 ± 153	223 ± 146	216 ± 144
HLA-DR + STAT3	23 ± 37	14 ± 31	14 ± 31	26 ± 40	15 ± 31
HLA-DR + TIA1	91 ± 103	56 ± 103	62 ± 100	143 ± 194	111 ± 106
HLA-DR + Vimentin	624 ± 730	389 ± 631	484 ± 590	967 ± 1037	641 ± 632

Tabelle 774: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + BCL2	45 ± 132	45 ± 132	45 ± 132	46 ± 132	48 ± 131
IL-22R + CCR6	2 ± 3	1 ± 2	1 ± 2	3 ± 5	4 ± 6
IL-22R + CD11a	30 ± 73	27 ± 74	27 ± 74	29 ± 73	32 ± 72
IL-22R + CD11b	1 ± 3	1 ± 3	1 ± 3	1 ± 3	4 ± 5
IL-22R + CD120a	21 ± 63	21 ± 63	21 ± 63	21 ± 63	21 ± 62
IL-22R + CD120b	2 ± 2	1 ± 2	1 ± 2	2 ± 2	5 ± 8
IL-22R + CD138	49 ± 137	47 ± 138	47 ± 138	47 ± 138	47 ± 138
IL-22R + CD15	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
IL-22R + CD1a	26 ± 72	25 ± 73	25 ± 73	25 ± 73	25 ± 73
IL-22R + CD2	29 ± 72	27 ± 72	27 ± 72	29 ± 72	32 ± 71
IL-22R + CD207	72 ± 210	71 ± 210	71 ± 210	71 ± 210	71 ± 210
IL-22R + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD28	11 ± 21	8 ± 21	8 ± 21	10 ± 21	13 ± 21
IL-22R + CD29	22 ± 63	22 ± 63	22 ± 63	22 ± 63	23 ± 63
IL-22R + CD3	20 ± 44	17 ± 45	17 ± 45	19 ± 44	22 ± 43
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	16 ± 32	13 ± 32	13 ± 32	15 ± 31	18 ± 31
IL-22R + CD44	89 ± 255	87 ± 255	87 ± 255	89 ± 255	91 ± 254
IL-22R + CD45	24 ± 57	21 ± 58	21 ± 58	23 ± 57	26 ± 57
IL-22R + CD45RA	0 ± 1	0 ± 1	0 ± 1	1 ± 2	2 ± 3
IL-22R + CD45RO	5 ± 7	2 ± 5	2 ± 5	4 ± 5	7 ± 9
IL-22R + CD52	2 ± 3	1 ± 3	1 ± 3	3 ± 5	6 ± 8
IL-22R + CD54	3 ± 6	2 ± 5	2 ± 5	4 ± 6	6 ± 9
IL-22R + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD58	42 ± 114	39 ± 114	39 ± 114	41 ± 114	43 ± 113
IL-22R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	23 ± 66	23 ± 66	23 ± 66	23 ± 66	24 ± 66
IL-22R + CD7	6 ± 9	4 ± 8	4 ± 8	6 ± 9	9 ± 11
IL-22R + CD8a	3 ± 5	3 ± 5	3 ± 5	4 ± 6	6 ± 7
IL-22R + CK14	95 ± 270	92 ± 271	92 ± 271	92 ± 271	92 ± 271
IL-22R + CLA	25 ± 72	25 ± 72	25 ± 72	25 ± 72	26 ± 72
IL-22R + c-myc	63 ± 189	63 ± 189	63 ± 190	63 ± 190	63 ± 190
IL-22R + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
IL-22R + HLA-DR	81 ± 228	79 ± 229	79 ± 229	80 ± 228	82 ± 228
IL-22R + IL-23R	6 ± 17	6 ± 17	6 ± 17	6 ± 17	6 ± 17
IL-22R + Ki67	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + PI	23 ± 61	22 ± 62	22 ± 62	24 ± 61	26 ± 60
IL-22R + Podoplanin	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
IL-22R + SNA1	3 ± 4	1 ± 3	1 ± 3	1 ± 3	2 ± 3
IL-22R + STAT3	13 ± 32	12 ± 32	12 ± 32	12 ± 32	12 ± 32
IL-22R + TIA1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	2 ± 2
IL-22R + Vimentin	28 ± 72	26 ± 73	26 ± 73	28 ± 72	29 ± 72

Tabelle 775: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	8 ± 21	1 ± 2	1 ± 2	1 ± 2	13 ± 35
IL-23R + BCL2	14 ± 28	6 ± 13	7 ± 13	8 ± 13	32 ± 57
IL-23R + CCR6	2 ± 4	1 ± 2	1 ± 2	5 ± 10	9 ± 16
IL-23R + CD11a	26 ± 69	3 ± 5	3 ± 5	9 ± 18	21 ± 40
IL-23R + CD11b	9 ± 16	4 ± 7	2 ± 6	4 ± 6	39 ± 76
IL-23R + CD120a	6 ± 11	3 ± 10	3 ± 10	3 ± 10	6 ± 11
IL-23R + CD120b	12 ± 32	1 ± 1	1 ± 1	1 ± 2	23 ± 47
IL-23R + CD138	8 ± 15	5 ± 13	5 ± 13	5 ± 13	5 ± 13
IL-23R + CD15	4 ± 7	0 ± 0	0 ± 1	0 ± 1	0 ± 0
IL-23R + CD1a	8 ± 15	4 ± 12	4 ± 12	4 ± 12	5 ± 12
IL-23R + CD2	25 ± 63	3 ± 5	3 ± 5	10 ± 17	50 ± 99
IL-23R + CD207	8 ± 17	5 ± 16	5 ± 16	7 ± 16	6 ± 16
IL-23R + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-23R + CD28	30 ± 80	2 ± 3	2 ± 3	6 ± 9	44 ± 87
IL-23R + CD29	17 ± 32	4 ± 9	6 ± 9	7 ± 9	17 ± 31
IL-23R + CD3	39 ± 104	3 ± 4	3 ± 4	9 ± 17	48 ± 95
IL-23R + CD31	10 ± 20	1 ± 4	2 ± 4	2 ± 4	16 ± 35
IL-23R + CD4	39 ± 102	3 ± 7	4 ± 7	11 ± 19	55 ± 109
IL-23R + CD44	18 ± 32	7 ± 13	7 ± 13	12 ± 18	29 ± 44
IL-23R + CD45	25 ± 61	3 ± 6	4 ± 6	10 ± 17	29 ± 51
IL-23R + CD45RA	5 ± 14	0 ± 1	0 ± 1	1 ± 2	6 ± 11
IL-23R + CD45RO	14 ± 38	1 ± 3	2 ± 3	8 ± 17	39 ± 76
IL-23R + CD52	18 ± 49	1 ± 2	1 ± 2	5 ± 10	40 ± 89
IL-23R + CD54	29 ± 72	3 ± 8	4 ± 8	10 ± 19	31 ± 56
IL-23R + CD56	1 ± 1	0 ± 1	0 ± 0	1 ± 2	1 ± 2
IL-23R + CD58	21 ± 45	6 ± 15	6 ± 14	10 ± 17	36 ± 66
IL-23R + CD62E	2 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 2
IL-23R + CD62P	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-23R + CD68	16 ± 30	8 ± 12	7 ± 12	11 ± 14	41 ± 77
IL-23R + CD7	7 ± 19	1 ± 2	1 ± 2	4 ± 5	19 ± 36
IL-23R + CD8a	4 ± 11	1 ± 2	0 ± 0	1 ± 1	11 ± 22
IL-23R + CK14	9 ± 17	5 ± 16	5 ± 16	5 ± 16	6 ± 16
IL-23R + CLA	4 ± 6	2 ± 3	2 ± 3	3 ± 4	7 ± 14
IL-23R + c-myc	9 ± 15	7 ± 14	6 ± 14	6 ± 14	7 ± 14
IL-23R + Collagen IV	8 ± 20	1 ± 3	1 ± 3	1 ± 3	9 ± 19
IL-23R + FXIIIA	9 ± 20	3 ± 7	3 ± 6	5 ± 9	23 ± 44
IL-23R + HLA-DR	31 ± 63	9 ± 16	9 ± 16	12 ± 17	36 ± 56
IL-23R + IL-22R	6 ± 17	6 ± 17	6 ± 17	6 ± 17	6 ± 17
IL-23R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + PI	26 ± 68	3 ± 4	3 ± 4	5 ± 7	32 ± 63
IL-23R + Podoplanin	0 ± 1	0 ± 0	1 ± 2	1 ± 1	2 ± 5
IL-23R + SNA1	18 ± 44	4 ± 6	3 ± 5	5 ± 6	12 ± 20
IL-23R + STAT3	8 ± 14	3 ± 9	3 ± 9	4 ± 9	5 ± 9
IL-23R + TIA1	4 ± 10	0 ± 0	0 ± 1	1 ± 1	1 ± 1
IL-23R + Vimentin	29 ± 66	8 ± 12	7 ± 12	12 ± 19	26 ± 40

Tabelle 776: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + BCL2	2 ± 5	2 ± 5	2 ± 5	5 ± 8	2 ± 5
Ki67 + CCR6	0 ± 1	0 ± 1	0 ± 1	3 ± 8	0 ± 1
Ki67 + CD11a	2 ± 5	2 ± 5	3 ± 5	6 ± 10	2 ± 5
Ki67 + CD11b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD138	1 ± 1	0 ± 1	0 ± 1	1 ± 2	0 ± 1
Ki67 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD2	3 ± 6	3 ± 6	3 ± 6	5 ± 6	3 ± 6
Ki67 + CD207	1 ± 4	1 ± 4	1 ± 4	3 ± 6	1 ± 4
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD28	0 ± 1	0 ± 1	1 ± 1	2 ± 3	0 ± 1
Ki67 + CD29	2 ± 4	1 ± 4	1 ± 4	3 ± 5	1 ± 4
Ki67 + CD3	2 ± 5	2 ± 5	3 ± 5	5 ± 8	2 ± 5
Ki67 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD4	1 ± 4	1 ± 4	2 ± 4	4 ± 8	1 ± 4
Ki67 + CD44	4 ± 8	4 ± 8	5 ± 8	6 ± 9	4 ± 8
Ki67 + CD45	1 ± 3	1 ± 3	2 ± 3	4 ± 8	1 ± 3
Ki67 + CD45RA	0 ± 1	0 ± 1	0 ± 1	2 ± 3	0 ± 1
Ki67 + CD45RO	1 ± 3	1 ± 3	2 ± 3	5 ± 10	1 ± 3
Ki67 + CD52	0 ± 0	0 ± 0	0 ± 1	4 ± 12	0 ± 0
Ki67 + CD54	1 ± 4	1 ± 4	1 ± 4	5 ± 9	1 ± 4
Ki67 + CD56	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
Ki67 + CD58	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	1 ± 3	1 ± 3	1 ± 3	5 ± 9	1 ± 3
Ki67 + CD7	1 ± 3	1 ± 3	1 ± 3	3 ± 6	1 ± 3
Ki67 + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CK14	5 ± 10	5 ± 11	5 ± 11	5 ± 11	5 ± 11
Ki67 + CLA	2 ± 5	2 ± 5	2 ± 5	4 ± 7	2 ± 5
Ki67 + c-myc	1 ± 3	1 ± 3	1 ± 3	2 ± 4	1 ± 3
Ki67 + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	3 ± 7	0 ± 0
Ki67 + HLA-DR	6 ± 12	6 ± 12	6 ± 12	8 ± 12	6 ± 12
Ki67 + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + PI	8 ± 13	7 ± 13	7 ± 13	11 ± 15	7 ± 13
Ki67 + Podoplanin	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Ki67 + SNA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + STAT3	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + TIA1	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
Ki67 + Vimentin	4 ± 10	4 ± 10	5 ± 10	7 ± 12	4 ± 10

Tabelle 777: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	32 ± 69	8 ± 14	9 ± 14	24 ± 45	50 ± 109
PI + BCL2	219 ± 198	132 ± 199	213 ± 223	517 ± 667	632 ± 896
PI + CCR6	326 ± 341	202 ± 346	273 ± 320	904 ± 1102	631 ± 759
PI + CD11a	1017 ± 1053	672 ± 1073	822 ± 999	2025 ± 2528	1522 ± 1380
PI + CD11b	305 ± 437	274 ± 453	281 ± 449	353 ± 433	680 ± 599
PI + CD120a	13 ± 31	11 ± 32	11 ± 32	12 ± 32	17 ± 32
PI + CD120b	143 ± 220	49 ± 131	66 ± 128	150 ± 200	602 ± 1071
PI + CD138	15 ± 26	8 ± 19	8 ± 19	13 ± 23	8 ± 19
PI + CD15	7 ± 13	1 ± 2	2 ± 3	8 ± 20	3 ± 3
PI + CD1a	22 ± 26	14 ± 21	14 ± 21	21 ± 22	68 ± 101
PI + CD2	1031 ± 1078	708 ± 1125	849 ± 1052	1824 ± 1851	1720 ± 1592
PI + CD207	59 ± 89	53 ± 93	60 ± 89	103 ± 129	135 ± 149
PI + CD24	9 ± 10	6 ± 10	9 ± 12	20 ± 25	9 ± 9
PI + CD28	833 ± 931	513 ± 906	636 ± 857	1522 ± 1929	1437 ± 1527
PI + CD29	159 ± 139	85 ± 108	96 ± 100	242 ± 369	179 ± 112
PI + CD3	1130 ± 1174	724 ± 1142	889 ± 1059	2116 ± 2477	1756 ± 1619
PI + CD31	33 ± 55	14 ± 20	16 ± 19	19 ± 20	85 ± 133
PI + CD4	1085 ± 1168	711 ± 1142	850 ± 1069	1822 ± 1872	1742 ± 1654
PI + CD44	882 ± 801	646 ± 900	801 ± 812	1890 ± 2320	1321 ± 1010
PI + CD45	908 ± 929	597 ± 970	745 ± 899	1927 ± 2377	1425 ± 1300
PI + CD45RA	219 ± 224	140 ± 232	159 ± 223	381 ± 401	322 ± 289
PI + CD45RO	572 ± 720	344 ± 694	466 ± 662	1395 ± 2055	1209 ± 1505
PI + CD52	808 ± 968	539 ± 998	661 ± 952	1768 ± 2483	1383 ± 1401
PI + CD54	795 ± 810	498 ± 818	582 ± 771	1530 ± 2043	1132 ± 996
PI + CD56	10 ± 15	4 ± 6	9 ± 8	27 ± 56	13 ± 14
PI + CD58	191 ± 289	104 ± 200	104 ± 199	305 ± 532	592 ± 818
PI + CD62E	8 ± 11	6 ± 11	7 ± 11	7 ± 11	16 ± 30
PI + CD62P	10 ± 14	8 ± 15	9 ± 14	8 ± 15	17 ± 26
PI + CD68	206 ± 352	175 ± 362	196 ± 353	385 ± 452	394 ± 477
PI + CD7	532 ± 633	390 ± 688	511 ± 645	1507 ± 2078	1052 ± 1024
PI + CD8a	297 ± 340	224 ± 370	262 ± 352	666 ± 791	622 ± 596
PI + CK14	69 ± 161	60 ± 163	60 ± 163	63 ± 161	60 ± 162
PI + CLA	255 ± 208	201 ± 243	242 ± 217	557 ± 632	374 ± 239
PI + c-myc	28 ± 60	22 ± 59	24 ± 59	43 ± 81	25 ± 59
PI + Collagen IV	72 ± 91	43 ± 60	49 ± 55	130 ± 205	106 ± 84
PI + FXIIIA	42 ± 39	33 ± 42	43 ± 41	120 ± 144	178 ± 232
PI + HLA-DR	876 ± 796	599 ± 820	708 ± 753	1589 ± 2008	1190 ± 908
PI + IL-22R	23 ± 61	22 ± 62	22 ± 62	24 ± 61	26 ± 60
PI + IL-23R	26 ± 68	3 ± 4	3 ± 4	5 ± 7	32 ± 63
PI + Ki67	8 ± 13	7 ± 13	7 ± 13	11 ± 15	7 ± 13
PI + Podoplanin	62 ± 139	57 ± 141	59 ± 140	117 ± 173	86 ± 144
PI + SNA1	187 ± 197	114 ± 153	153 ± 132	177 ± 129	189 ± 128
PI + STAT3	11 ± 19	4 ± 4	4 ± 4	18 ± 34	5 ± 5
PI + TIA1	97 ± 121	67 ± 130	76 ± 126	159 ± 201	147 ± 150
PI + Vimentin	576 ± 689	369 ± 657	465 ± 618	984 ± 1069	633 ± 662

Tabelle 778: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	2 ± 4	1 ± 3	2 ± 3	11 ± 30	1 ± 3
Podoplanin + BCL2	7 ± 14	7 ± 14	8 ± 14	25 ± 37	22 ± 40
Podoplanin + CCR6	29 ± 58	27 ± 59	28 ± 58	87 ± 119	46 ± 63
Podoplanin + CD11a	70 ± 142	60 ± 144	62 ± 143	136 ± 194	97 ± 151
Podoplanin + CD11b	27 ± 55	26 ± 56	26 ± 56	30 ± 54	43 ± 64
Podoplanin + CD120a	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 1
Podoplanin + CD120b	10 ± 20	8 ± 20	8 ± 20	16 ± 21	32 ± 57
Podoplanin + CD138	4 ± 6	3 ± 5	3 ± 5	8 ± 16	2 ± 5
Podoplanin + CD15	0 ± 1	0 ± 0	0 ± 0	5 ± 15	0 ± 0
Podoplanin + CD1a	2 ± 3	1 ± 3	1 ± 3	5 ± 12	2 ± 4
Podoplanin + CD2	70 ± 143	59 ± 145	61 ± 144	106 ± 148	95 ± 151
Podoplanin + CD207	6 ± 14	5 ± 14	5 ± 14	20 ± 45	6 ± 14
Podoplanin + CD24	3 ± 5	3 ± 5	3 ± 5	4 ± 5	3 ± 5
Podoplanin + CD28	63 ± 143	56 ± 145	59 ± 144	108 ± 157	95 ± 154
Podoplanin + CD29	21 ± 33	18 ± 34	19 ± 33	45 ± 73	19 ± 34
Podoplanin + CD3	82 ± 169	71 ± 172	74 ± 170	155 ± 218	110 ± 178
Podoplanin + CD31	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
Podoplanin + CD4	80 ± 167	69 ± 170	71 ± 169	125 ± 178	109 ± 176
Podoplanin + CD44	66 ± 118	58 ± 119	61 ± 119	140 ± 192	91 ± 126
Podoplanin + CD45	60 ± 125	51 ± 128	54 ± 126	124 ± 170	86 ± 136
Podoplanin + CD45RA	12 ± 19	11 ± 19	11 ± 19	29 ± 36	13 ± 19
Podoplanin + CD45RO	44 ± 104	38 ± 105	40 ± 105	102 ± 158	75 ± 120
Podoplanin + CD52	58 ± 148	54 ± 149	54 ± 149	137 ± 228	79 ± 150
Podoplanin + CD54	58 ± 124	49 ± 125	50 ± 125	115 ± 170	73 ± 129
Podoplanin + CD56	5 ± 11	5 ± 11	5 ± 11	20 ± 45	4 ± 11
Podoplanin + CD58	24 ± 51	20 ± 52	20 ± 52	43 ± 68	48 ± 78
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	24 ± 58	23 ± 58	24 ± 58	39 ± 65	38 ± 68
Podoplanin + CD7	35 ± 77	28 ± 77	30 ± 77	88 ± 132	52 ± 92
Podoplanin + CD8a	11 ± 23	11 ± 23	11 ± 23	28 ± 32	19 ± 32
Podoplanin + CK14	5 ± 6	2 ± 5	2 ± 5	3 ± 5	2 ± 5
Podoplanin + CLA	16 ± 27	14 ± 28	15 ± 28	47 ± 86	19 ± 30
Podoplanin + c-myc	3 ± 4	3 ± 5	2 ± 4	16 ± 42	2 ± 4
Podoplanin + Collagen IV	15 ± 36	14 ± 37	15 ± 36	32 ± 52	14 ± 37
Podoplanin + FXIIIA	4 ± 7	4 ± 7	4 ± 7	22 ± 47	13 ± 28
Podoplanin + HLA-DR	70 ± 123	60 ± 124	61 ± 124	134 ± 180	88 ± 128
Podoplanin + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
Podoplanin + IL-23R	0 ± 1	0 ± 0	1 ± 2	1 ± 1	2 ± 5
Podoplanin + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 3	0 ± 0
Podoplanin + PI	62 ± 139	57 ± 141	59 ± 140	117 ± 173	86 ± 144
Podoplanin + SNA1	23 ± 36	18 ± 36	20 ± 36	33 ± 40	22 ± 36
Podoplanin + STAT3	4 ± 7	4 ± 7	3 ± 7	13 ± 30	3 ± 7
Podoplanin + TIA1	5 ± 6	4 ± 6	4 ± 6	13 ± 26	5 ± 7
Podoplanin + Vimentin	58 ± 117	50 ± 118	52 ± 117	102 ± 148	73 ± 123

Tabelle 779: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	28 ± 45	11 ± 15	14 ± 15	17 ± 19	35 ± 57
SNA1 + BCL2	47 ± 70	24 ± 38	50 ± 60	52 ± 47	58 ± 66
SNA1 + CCR6	75 ± 74	45 ± 71	71 ± 69	113 ± 105	85 ± 79
SNA1 + CD11a	246 ± 350	115 ± 173	166 ± 163	206 ± 157	179 ± 154
SNA1 + CD11b	86 ± 99	77 ± 104	81 ± 101	105 ± 104	131 ± 88
SNA1 + CD120a	5 ± 10	1 ± 4	2 ± 4	2 ± 4	4 ± 7
SNA1 + CD120b	50 ± 98	15 ± 32	25 ± 35	28 ± 37	58 ± 82
SNA1 + CD138	8 ± 18	2 ± 3	2 ± 2	1 ± 3	1 ± 3
SNA1 + CD15	3 ± 6	0 ± 1	1 ± 1	1 ± 2	1 ± 3
SNA1 + CD1a	12 ± 22	4 ± 7	5 ± 7	6 ± 7	6 ± 7
SNA1 + CD2	233 ± 301	123 ± 184	172 ± 173	215 ± 167	227 ± 181
SNA1 + CD207	13 ± 18	7 ± 13	11 ± 12	17 ± 22	9 ± 12
SNA1 + CD24	5 ± 4	4 ± 5	5 ± 5	8 ± 13	5 ± 5
SNA1 + CD28	198 ± 298	84 ± 141	126 ± 138	160 ± 128	176 ± 166
SNA1 + CD29	104 ± 111	60 ± 69	71 ± 60	93 ± 67	100 ± 63
SNA1 + CD3	288 ± 423	130 ± 183	188 ± 168	237 ± 166	233 ± 175
SNA1 + CD31	31 ± 46	16 ± 25	20 ± 23	23 ± 27	51 ± 61
SNA1 + CD4	285 ± 406	135 ± 197	188 ± 178	221 ± 171	242 ± 192
SNA1 + CD44	250 ± 298	137 ± 168	191 ± 149	238 ± 146	215 ± 140
SNA1 + CD45	225 ± 302	109 ± 163	161 ± 152	205 ± 151	187 ± 147
SNA1 + CD45RA	61 ± 80	28 ± 36	34 ± 33	46 ± 32	43 ± 32
SNA1 + CD45RO	165 ± 256	69 ± 126	116 ± 131	149 ± 132	145 ± 143
SNA1 + CD52	161 ± 195	94 ± 155	134 ± 153	182 ± 154	173 ± 161
SNA1 + CD54	241 ± 326	116 ± 163	157 ± 145	186 ± 141	187 ± 142
SNA1 + CD56	7 ± 10	4 ± 6	5 ± 4	5 ± 5	7 ± 6
SNA1 + CD58	78 ± 136	32 ± 58	33 ± 57	61 ± 69	90 ± 111
SNA1 + CD62E	10 ± 18	8 ± 18	10 ± 18	10 ± 18	15 ± 22
SNA1 + CD62P	12 ± 20	11 ± 21	12 ± 20	12 ± 21	18 ± 23
SNA1 + CD68	85 ± 105	59 ± 93	72 ± 87	85 ± 83	99 ± 98
SNA1 + CD7	139 ± 171	74 ± 122	119 ± 123	160 ± 122	123 ± 109
SNA1 + CD8a	55 ± 55	35 ± 48	48 ± 49	69 ± 60	59 ± 42
SNA1 + CK14	14 ± 26	5 ± 12	6 ± 12	9 ± 12	6 ± 11
SNA1 + CLA	55 ± 50	41 ± 52	61 ± 52	70 ± 53	57 ± 46
SNA1 + c-myc	18 ± 26	12 ± 22	16 ± 22	14 ± 22	11 ± 22
SNA1 + Collagen IV	73 ± 102	38 ± 49	45 ± 44	72 ± 68	71 ± 46
SNA1 + FXIIIA	21 ± 16	17 ± 17	22 ± 16	28 ± 15	42 ± 28
SNA1 + HLA-DR	270 ± 347	140 ± 172	185 ± 153	223 ± 146	216 ± 144
SNA1 + IL-22R	3 ± 4	1 ± 3	1 ± 3	1 ± 3	2 ± 3
SNA1 + IL-23R	18 ± 44	4 ± 6	3 ± 5	5 ± 6	12 ± 20
SNA1 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
SNA1 + PI	187 ± 197	114 ± 153	153 ± 132	177 ± 129	189 ± 128
SNA1 + Podoplanin	23 ± 36	18 ± 36	20 ± 36	33 ± 40	22 ± 36
SNA1 + STAT3	8 ± 12	4 ± 5	4 ± 4	3 ± 4	4 ± 5
SNA1 + TIA1	28 ± 40	13 ± 27	16 ± 26	25 ± 31	20 ± 26
SNA1 + Vimentin	186 ± 289	85 ± 132	123 ± 123	154 ± 122	142 ± 131

Tabelle 780: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	4 ± 5	2 ± 4	2 ± 4	12 ± 29	5 ± 7
STAT3 + BCL2	14 ± 34	12 ± 34	12 ± 34	20 ± 35	14 ± 34
STAT3 + CCR6	5 ± 7	3 ± 5	3 ± 6	22 ± 40	3 ± 5
STAT3 + CD11a	14 ± 28	3 ± 5	4 ± 5	21 ± 38	4 ± 5
STAT3 + CD11b	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
STAT3 + CD120a	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
STAT3 + CD120b	2 ± 5	0 ± 1	0 ± 1	0 ± 1	2 ± 3
STAT3 + CD138	22 ± 39	13 ± 34	12 ± 34	18 ± 36	12 ± 34
STAT3 + CD15	1 ± 2	0 ± 0	0 ± 0	5 ± 15	0 ± 0
STAT3 + CD1a	9 ± 18	4 ± 12	4 ± 12	4 ± 12	4 ± 12
STAT3 + CD2	15 ± 29	4 ± 6	5 ± 6	15 ± 22	7 ± 8
STAT3 + CD207	12 ± 24	8 ± 24	8 ± 24	9 ± 24	8 ± 24
STAT3 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD28	13 ± 28	3 ± 5	4 ± 5	9 ± 13	6 ± 8
STAT3 + CD29	11 ± 20	10 ± 20	10 ± 20	23 ± 41	12 ± 20
STAT3 + CD3	16 ± 32	4 ± 5	4 ± 5	18 ± 30	6 ± 7
STAT3 + CD31	2 ± 3	2 ± 3	2 ± 3	2 ± 3	5 ± 7
STAT3 + CD4	16 ± 30	4 ± 6	5 ± 6	12 ± 21	8 ± 8
STAT3 + CD44	19 ± 35	14 ± 35	14 ± 35	26 ± 43	14 ± 35
STAT3 + CD45	13 ± 26	3 ± 4	4 ± 5	18 ± 30	5 ± 5
STAT3 + CD45RA	5 ± 7	4 ± 7	3 ± 7	13 ± 22	3 ± 7
STAT3 + CD45RO	13 ± 25	3 ± 5	4 ± 5	21 ± 40	4 ± 5
STAT3 + CD52	6 ± 7	4 ± 6	3 ± 5	21 ± 40	6 ± 8
STAT3 + CD54	9 ± 16	3 ± 6	4 ± 6	15 ± 23	5 ± 6
STAT3 + CD56	4 ± 8	4 ± 8	3 ± 7	18 ± 39	2 ± 7
STAT3 + CD58	23 ± 41	11 ± 26	11 ± 26	16 ± 26	14 ± 26
STAT3 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 2
STAT3 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + CD68	6 ± 8	6 ± 9	5 ± 8	22 ± 33	7 ± 9
STAT3 + CD7	10 ± 17	3 ± 5	4 ± 5	11 ± 17	4 ± 5
STAT3 + CD8a	2 ± 3	2 ± 3	1 ± 3	3 ± 4	2 ± 3
STAT3 + CK14	23 ± 43	13 ± 37	13 ± 37	14 ± 37	13 ± 37
STAT3 + CLA	3 ± 5	2 ± 4	2 ± 4	7 ± 11	2 ± 4
STAT3 + c-myc	15 ± 38	15 ± 38	14 ± 39	27 ± 52	13 ± 39
STAT3 + Collagen IV	2 ± 3	2 ± 3	2 ± 3	2 ± 3	4 ± 4
STAT3 + FXIIIA	3 ± 5	3 ± 5	2 ± 4	19 ± 38	1 ± 3
STAT3 + HLA-DR	23 ± 37	14 ± 31	14 ± 31	26 ± 40	15 ± 31
STAT3 + IL-22R	13 ± 32	12 ± 32	12 ± 32	12 ± 32	12 ± 32
STAT3 + IL-23R	8 ± 14	3 ± 9	3 ± 9	4 ± 9	5 ± 9
STAT3 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
STAT3 + PI	11 ± 19	4 ± 4	4 ± 4	18 ± 34	5 ± 5
STAT3 + Podoplanin	4 ± 7	4 ± 7	3 ± 7	13 ± 30	3 ± 7
STAT3 + SNA1	8 ± 12	4 ± 5	4 ± 4	3 ± 4	4 ± 5
STAT3 + TIA1	3 ± 4	2 ± 4	2 ± 4	7 ± 15	2 ± 4
STAT3 + Vimentin	12 ± 17	6 ± 8	6 ± 7	17 ± 23	6 ± 7

Tabelle 781: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	4 ± 7	3 ± 7	3 ± 7	8 ± 16	4 ± 7
TIA1 + BCL2	28 ± 30	15 ± 29	18 ± 27	47 ± 72	73 ± 106
TIA1 + CCR6	45 ± 50	26 ± 50	30 ± 49	90 ± 113	70 ± 77
TIA1 + CD11a	118 ± 141	72 ± 142	82 ± 138	179 ± 236	165 ± 166
TIA1 + CD11b	51 ± 96	41 ± 99	44 ± 98	61 ± 98	101 ± 112
TIA1 + CD120a	1 ± 4	0 ± 0	0 ± 0	0 ± 1	1 ± 3
TIA1 + CD120b	25 ± 36	10 ± 28	12 ± 27	27 ± 40	67 ± 110
TIA1 + CD138	1 ± 2	1 ± 2	1 ± 2	4 ± 10	1 ± 2
TIA1 + CD15	4 ± 11	0 ± 0	1 ± 3	6 ± 16	1 ± 2
TIA1 + CD1a	3 ± 7	0 ± 1	1 ± 1	2 ± 3	2 ± 3
TIA1 + CD2	117 ± 143	74 ± 148	84 ± 144	169 ± 205	170 ± 172
TIA1 + CD207	3 ± 6	1 ± 2	1 ± 2	8 ± 16	3 ± 4
TIA1 + CD24	2 ± 2	1 ± 2	2 ± 4	4 ± 8	1 ± 2
TIA1 + CD28	97 ± 113	55 ± 112	62 ± 109	140 ± 197	139 ± 156
TIA1 + CD29	19 ± 17	8 ± 13	8 ± 13	24 ± 40	11 ± 11
TIA1 + CD3	122 ± 144	72 ± 143	83 ± 138	180 ± 229	168 ± 169
TIA1 + CD31	3 ± 7	3 ± 7	3 ± 7	3 ± 7	3 ± 7
TIA1 + CD4	112 ± 139	67 ± 138	76 ± 134	147 ± 179	157 ± 171
TIA1 + CD44	98 ± 108	63 ± 114	73 ± 109	169 ± 219	125 ± 118
TIA1 + CD45	110 ± 127	67 ± 130	77 ± 126	172 ± 222	160 ± 158
TIA1 + CD45RA	52 ± 64	33 ± 65	38 ± 64	66 ± 79	84 ± 82
TIA1 + CD45RO	65 ± 88	39 ± 89	48 ± 87	124 ± 195	123 ± 150
TIA1 + CD52	102 ± 132	66 ± 138	74 ± 135	166 ± 232	150 ± 161
TIA1 + CD54	99 ± 111	57 ± 110	64 ± 107	133 ± 189	122 ± 120
TIA1 + CD56	5 ± 10	2 ± 4	4 ± 5	10 ± 21	3 ± 5
TIA1 + CD58	27 ± 44	18 ± 41	18 ± 41	31 ± 40	65 ± 86
TIA1 + CD62E	1 ± 3	0 ± 0	0 ± 0	0 ± 0	1 ± 3
TIA1 + CD62P	1 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	29 ± 62	23 ± 64	25 ± 63	40 ± 68	41 ± 69
TIA1 + CD7	94 ± 128	65 ± 135	76 ± 131	168 ± 219	153 ± 159
TIA1 + CD8a	77 ± 101	54 ± 105	59 ± 103	126 ± 149	137 ± 141
TIA1 + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
TIA1 + CLA	38 ± 47	26 ± 51	29 ± 49	74 ± 89	55 ± 53
TIA1 + c-myc	3 ± 4	2 ± 4	2 ± 4	9 ± 20	2 ± 4
TIA1 + Collagen IV	7 ± 11	5 ± 10	5 ± 10	8 ± 11	6 ± 10
TIA1 + FXIIIA	6 ± 7	3 ± 5	5 ± 6	14 ± 30	9 ± 12
TIA1 + HLA-DR	91 ± 103	56 ± 103	62 ± 100	143 ± 194	111 ± 106
TIA1 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	2 ± 2
TIA1 + IL-23R	4 ± 10	0 ± 0	0 ± 1	1 ± 1	1 ± 1
TIA1 + Ki67	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
TIA1 + PI	97 ± 121	67 ± 130	76 ± 126	159 ± 201	147 ± 150
TIA1 + Podoplanin	5 ± 6	4 ± 6	4 ± 6	13 ± 26	5 ± 7
TIA1 + SNA1	28 ± 40	13 ± 27	16 ± 26	25 ± 31	20 ± 26
TIA1 + STAT3	3 ± 4	2 ± 4	2 ± 4	7 ± 15	2 ± 4
TIA1 + Vimentin	66 ± 99	41 ± 99	47 ± 97	81 ± 105	62 ± 97

Tabelle 782: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Responder identifizierten n=4 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	22 ± 36	8 ± 11	11 ± 11	19 ± 30	10 ± 10
Vimentin + BCL2	167 ± 160	88 ± 121	157 ± 163	479 ± 723	229 ± 246
Vimentin + CCR6	219 ± 281	133 ± 291	198 ± 282	702 ± 1011	299 ± 357
Vimentin + CD11a	645 ± 825	383 ± 733	499 ± 697	1228 ± 1514	634 ± 736
Vimentin + CD11b	238 ± 446	219 ± 454	223 ± 452	273 ± 439	414 ± 465
Vimentin + CD120a	21 ± 56	19 ± 56	20 ± 56	21 ± 56	23 ± 55
Vimentin + CD120b	117 ± 199	39 ± 111	54 ± 110	108 ± 143	186 ± 310
Vimentin + CD138	21 ± 35	14 ± 32	14 ± 32	17 ± 32	13 ± 32
Vimentin + CD15	4 ± 4	1 ± 3	2 ± 3	5 ± 8	2 ± 2
Vimentin + CD1a	28 ± 43	19 ± 40	19 ± 39	25 ± 39	34 ± 40
Vimentin + CD2	663 ± 816	413 ± 751	529 ± 709	1208 ± 1373	744 ± 775
Vimentin + CD207	65 ± 107	57 ± 110	62 ± 107	91 ± 117	78 ± 103
Vimentin + CD24	1 ± 2	1 ± 2	3 ± 5	5 ± 10	1 ± 2
Vimentin + CD28	517 ± 710	277 ± 593	372 ± 573	899 ± 1131	555 ± 695
Vimentin + CD29	124 ± 132	64 ± 94	78 ± 86	194 ± 290	95 ± 87
Vimentin + CD3	732 ± 957	413 ± 782	543 ± 741	1298 ± 1521	773 ± 849
Vimentin + CD31	29 ± 40	15 ± 24	19 ± 22	23 ± 24	32 ± 41
Vimentin + CD4	711 ± 942	410 ± 791	521 ± 749	1180 ± 1406	757 ± 858
Vimentin + CD44	583 ± 648	386 ± 628	510 ± 582	1148 ± 1262	682 ± 643
Vimentin + CD45	566 ± 698	335 ± 634	448 ± 600	1174 ± 1449	569 ± 634
Vimentin + CD45RA	144 ± 205	82 ± 173	93 ± 169	230 ± 281	119 ± 162
Vimentin + CD45RO	404 ± 594	221 ± 518	317 ± 504	897 ± 1200	510 ± 651
Vimentin + CD52	452 ± 668	281 ± 649	372 ± 631	995 ± 1330	498 ± 656
Vimentin + CD54	542 ± 723	287 ± 584	356 ± 558	959 ± 1258	518 ± 606
Vimentin + CD56	10 ± 17	5 ± 8	8 ± 8	23 ± 34	9 ± 13
Vimentin + CD58	160 ± 253	88 ± 188	90 ± 188	286 ± 540	217 ± 282
Vimentin + CD62E	9 ± 15	7 ± 15	9 ± 15	9 ± 15	14 ± 22
Vimentin + CD62P	10 ± 18	9 ± 18	10 ± 17	10 ± 18	15 ± 22
Vimentin + CD68	264 ± 450	212 ± 456	237 ± 445	447 ± 565	346 ± 475
Vimentin + CD7	342 ± 478	223 ± 484	315 ± 470	891 ± 1137	410 ± 503
Vimentin + CD8a	154 ± 237	117 ± 245	141 ± 238	356 ± 408	204 ± 241
Vimentin + CK14	62 ± 126	53 ± 128	54 ± 127	57 ± 126	54 ± 127
Vimentin + CLA	179 ± 208	143 ± 223	183 ± 209	358 ± 362	210 ± 210
Vimentin + c-myc	25 ± 49	22 ± 50	24 ± 49	32 ± 55	21 ± 50
Vimentin + Collagen IV	54 ± 82	32 ± 66	39 ± 63	94 ± 137	51 ± 67
Vimentin + FXIIIA	39 ± 38	30 ± 37	37 ± 37	119 ± 170	124 ± 153
Vimentin + HLA-DR	624 ± 730	389 ± 631	484 ± 590	967 ± 1037	641 ± 632
Vimentin + IL-22R	28 ± 72	26 ± 73	26 ± 73	28 ± 72	29 ± 72
Vimentin + IL-23R	29 ± 66	8 ± 12	7 ± 12	12 ± 19	26 ± 40
Vimentin + Ki67	4 ± 10	4 ± 10	5 ± 10	7 ± 12	4 ± 10
Vimentin + PI	576 ± 689	369 ± 657	465 ± 618	984 ± 1069	633 ± 662
Vimentin + Podoplanin	58 ± 117	50 ± 118	52 ± 117	102 ± 148	73 ± 123
Vimentin + SNA1	186 ± 289	85 ± 132	123 ± 123	154 ± 122	142 ± 131
Vimentin + STAT3	12 ± 17	6 ± 8	6 ± 7	17 ± 23	6 ± 7
Vimentin + TIA1	66 ± 99	41 ± 99	47 ± 97	81 ± 105	62 ± 97

1.1.18 Duale Koexpression der Th17-Zellen für die Non-Responder

Tabelle 783: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Aktin für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Aktin + BCL2	1 ± 2	1 ± 1	1 ± 1	1 ± 1	3 ± 5
Aktin + CCR6	7 ± 13	2 ± 3	2 ± 3	2 ± 3	8 ± 15
Aktin + CD11a	9 ± 12	6 ± 8	5 ± 8	5 ± 8	13 ± 21
Aktin + CD11b	6 ± 9	7 ± 10	5 ± 10	8 ± 10	10 ± 14
Aktin + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD120b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CD138	4 ± 8	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Aktin + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD1a	0 ± 0	1 ± 2	0 ± 0	0 ± 0	0 ± 0
Aktin + CD2	13 ± 13	10 ± 11	9 ± 11	9 ± 11	27 ± 45
Aktin + CD207	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
Aktin + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + CD28	8 ± 9	7 ± 8	6 ± 8	8 ± 8	15 ± 24
Aktin + CD29	22 ± 20	18 ± 19	17 ± 20	20 ± 19	30 ± 32
Aktin + CD3	15 ± 17	13 ± 17	12 ± 17	15 ± 17	29 ± 45
Aktin + CD31	13 ± 17	13 ± 17	13 ± 17	16 ± 16	21 ± 21
Aktin + CD4	22 ± 21	19 ± 20	17 ± 21	20 ± 19	35 ± 45
Aktin + CD44	14 ± 19	10 ± 15	8 ± 15	8 ± 15	21 ± 35
Aktin + CD45	7 ± 12	4 ± 5	3 ± 3	3 ± 3	11 ± 22
Aktin + CD45RA	5 ± 6	5 ± 6	4 ± 6	4 ± 6	6 ± 6
Aktin + CD45RO	6 ± 13	1 ± 3	1 ± 3	2 ± 3	4 ± 7
Aktin + CD52	6 ± 8	5 ± 8	4 ± 8	5 ± 8	16 ± 30
Aktin + CD54	22 ± 21	19 ± 20	17 ± 21	17 ± 20	33 ± 42
Aktin + CD56	7 ± 15	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Aktin + CD58	8 ± 11	9 ± 11	8 ± 11	10 ± 11	8 ± 11
Aktin + CD62E	6 ± 11	6 ± 11	6 ± 11	6 ± 11	9 ± 11
Aktin + CD62P	8 ± 13	8 ± 13	8 ± 13	8 ± 13	13 ± 15
Aktin + CD68	13 ± 16	8 ± 14	8 ± 14	11 ± 14	14 ± 18
Aktin + CD7	5 ± 7	4 ± 6	4 ± 6	4 ± 6	9 ± 14
Aktin + CD8a	0 ± 1	2 ± 5	0 ± 1	0 ± 1	5 ± 12
Aktin + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Aktin + CLA	1 ± 2	1 ± 3	0 ± 1	0 ± 1	2 ± 4
Aktin + c-myc	7 ± 11	3 ± 5	3 ± 5	3 ± 5	3 ± 5
Aktin + Collagen IV	10 ± 12	11 ± 12	10 ± 12	13 ± 12	28 ± 46
Aktin + FXIIIA	6 ± 10	2 ± 4	2 ± 4	2 ± 4	2 ± 4
Aktin + HLA-DR	19 ± 17	17 ± 17	15 ± 18	16 ± 17	26 ± 28
Aktin + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Aktin + IL-23R	1 ± 2	1 ± 2	1 ± 2	2 ± 4	6 ± 14
Aktin + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Aktin + PI	13 ± 16	12 ± 15	10 ± 16	13 ± 16	25 ± 39
Aktin + Podoplanin	4 ± 6	2 ± 3	2 ± 3	2 ± 3	2 ± 3
Aktin + SNA1	16 ± 15	15 ± 16	14 ± 16	16 ± 15	23 ± 25
Aktin + STAT3	6 ± 9	3 ± 4	3 ± 4	3 ± 4	3 ± 4
Aktin + TIA1	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
Aktin + Vimentin	15 ± 15	12 ± 11	10 ± 12	10 ± 12	18 ± 20

Tabelle 784: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von BCL2 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
BCL2 + Aktin	1 ± 2	1 ± 1	1 ± 1	1 ± 1	3 ± 5
BCL2 + CCR6	106 ± 117	68 ± 102	75 ± 98	110 ± 122	92 ± 103
BCL2 + CD11a	226 ± 190	163 ± 211	178 ± 201	216 ± 209	187 ± 199
BCL2 + CD11b	57 ± 67	50 ± 71	51 ± 71	55 ± 68	72 ± 77
BCL2 + CD120a	12 ± 31	12 ± 31	12 ± 31	12 ± 31	12 ± 31
BCL2 + CD120b	19 ± 28	13 ± 29	13 ± 29	20 ± 32	13 ± 28
BCL2 + CD138	49 ± 115	44 ± 116	44 ± 116	44 ± 116	45 ± 116
BCL2 + CD15	2 ± 3	2 ± 3	2 ± 3	5 ± 5	2 ± 3
BCL2 + CD1a	21 ± 48	21 ± 48	20 ± 48	20 ± 48	20 ± 48
BCL2 + CD2	244 ± 217	179 ± 239	195 ± 229	237 ± 233	213 ± 226
BCL2 + CD207	59 ± 131	57 ± 132	57 ± 132	57 ± 132	60 ± 130
BCL2 + CD24	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
BCL2 + CD28	178 ± 165	119 ± 172	126 ± 168	164 ± 175	134 ± 165
BCL2 + CD29	50 ± 54	33 ± 50	34 ± 50	37 ± 49	46 ± 52
BCL2 + CD3	232 ± 213	167 ± 232	183 ± 222	225 ± 229	201 ± 221
BCL2 + CD31	2 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
BCL2 + CD4	222 ± 203	158 ± 220	170 ± 212	215 ± 220	191 ± 210
BCL2 + CD44	255 ± 194	192 ± 223	207 ± 211	240 ± 207	223 ± 207
BCL2 + CD45	212 ± 184	147 ± 197	162 ± 188	199 ± 199	176 ± 187
BCL2 + CD45RA	46 ± 48	32 ± 47	35 ± 45	43 ± 48	40 ± 46
BCL2 + CD45RO	136 ± 140	82 ± 135	86 ± 132	131 ± 156	96 ± 130
BCL2 + CD52	172 ± 190	124 ± 201	138 ± 195	162 ± 197	149 ± 194
BCL2 + CD54	158 ± 172	111 ± 170	112 ± 169	151 ± 171	138 ± 164
BCL2 + CD56	3 ± 4	1 ± 1	1 ± 1	1 ± 1	1 ± 1
BCL2 + CD58	65 ± 92	60 ± 95	60 ± 95	73 ± 92	60 ± 95
BCL2 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
BCL2 + CD62P	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
BCL2 + CD68	61 ± 61	43 ± 60	44 ± 59	51 ± 56	43 ± 60
BCL2 + CD7	152 ± 152	101 ± 154	114 ± 148	144 ± 162	117 ± 148
BCL2 + CD8a	72 ± 70	58 ± 77	67 ± 73	70 ± 73	66 ± 73
BCL2 + CK14	81 ± 199	77 ± 200	77 ± 200	77 ± 200	77 ± 200
BCL2 + CLA	101 ± 75	80 ± 85	84 ± 82	85 ± 81	94 ± 78
BCL2 + c-myc	69 ± 176	68 ± 176	68 ± 176	68 ± 176	68 ± 176
BCL2 + Collagen IV	6 ± 8	3 ± 6	4 ± 5	3 ± 6	15 ± 30
BCL2 + FXIIIA	9 ± 10	7 ± 10	7 ± 10	10 ± 11	8 ± 9
BCL2 + HLA-DR	220 ± 150	163 ± 179	174 ± 170	192 ± 162	191 ± 165
BCL2 + IL-22R	58 ± 149	57 ± 149	57 ± 149	58 ± 149	57 ± 149
BCL2 + IL-23R	8 ± 14	7 ± 14	7 ± 14	11 ± 16	7 ± 14
BCL2 + Ki67	3 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
BCL2 + PI	223 ± 194	168 ± 215	181 ± 206	182 ± 205	200 ± 203
BCL2 + Podoplanin	23 ± 40	8 ± 16	9 ± 15	18 ± 28	8 ± 16
BCL2 + SNA1	58 ± 59	28 ± 43	31 ± 41	36 ± 42	30 ± 41
BCL2 + STAT3	15 ± 38	15 ± 38	15 ± 38	15 ± 38	15 ± 38
BCL2 + TIA1	22 ± 30	19 ± 32	19 ± 31	20 ± 31	22 ± 30
BCL2 + Vimentin	173 ± 133	108 ± 132	121 ± 124	154 ± 137	132 ± 125

Tabelle 785: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CCR6 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CCR6 + Aktin	7 ± 13	2 ± 3	2 ± 3	2 ± 3	8 ± 15
CCR6 + BCL2	106 ± 117	68 ± 102	75 ± 98	110 ± 122	92 ± 103
CCR6 + CD11a	407 ± 456	287 ± 442	316 ± 426	474 ± 501	372 ± 434
CCR6 + CD11b	144 ± 233	133 ± 239	133 ± 239	154 ± 229	189 ± 248
CCR6 + CD120a	1 ± 1	1 ± 1	1 ± 1	2 ± 2	1 ± 1
CCR6 + CD120b	50 ± 93	39 ± 94	41 ± 94	59 ± 98	45 ± 93
CCR6 + CD138	11 ± 24	1 ± 2	1 ± 2	2 ± 2	2 ± 2
CCR6 + CD15	1 ± 1	0 ± 1	0 ± 1	4 ± 7	1 ± 1
CCR6 + CD1a	7 ± 11	5 ± 10	5 ± 10	6 ± 10	5 ± 10
CCR6 + CD2	410 ± 457	293 ± 447	321 ± 430	483 ± 498	421 ± 476
CCR6 + CD207	18 ± 24	12 ± 22	12 ± 21	15 ± 20	23 ± 34
CCR6 + CD24	3 ± 3	3 ± 3	3 ± 3	4 ± 2	4 ± 3
CCR6 + CD28	336 ± 396	235 ± 381	249 ± 373	401 ± 437	302 ± 375
CCR6 + CD29	76 ± 93	41 ± 59	43 ± 58	50 ± 54	79 ± 99
CCR6 + CD3	427 ± 471	304 ± 458	334 ± 441	515 ± 511	432 ± 484
CCR6 + CD31	4 ± 5	2 ± 3	2 ± 3	4 ± 4	8 ± 15
CCR6 + CD4	420 ± 466	294 ± 448	324 ± 431	504 ± 507	423 ± 477
CCR6 + CD44	404 ± 424	277 ± 396	308 ± 378	453 ± 418	405 ± 434
CCR6 + CD45	390 ± 435	265 ± 405	295 ± 388	444 ± 472	367 ± 417
CCR6 + CD45RA	99 ± 113	72 ± 112	77 ± 110	101 ± 110	100 ± 115
CCR6 + CD45RO	270 ± 365	171 ± 329	182 ± 323	329 ± 416	207 ± 321
CCR6 + CD52	336 ± 407	249 ± 408	270 ± 397	381 ± 414	350 ± 423
CCR6 + CD54	321 ± 362	213 ± 325	219 ± 320	346 ± 378	300 ± 339
CCR6 + CD56	18 ± 29	6 ± 11	6 ± 11	7 ± 11	6 ± 11
CCR6 + CD58	66 ± 113	58 ± 117	58 ± 117	88 ± 124	60 ± 116
CCR6 + CD62E	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CCR6 + CD62P	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CCR6 + CD68	119 ± 206	86 ± 205	93 ± 202	112 ± 200	91 ± 203
CCR6 + CD7	275 ± 333	188 ± 317	211 ± 307	310 ± 353	239 ± 311
CCR6 + CD8a	123 ± 159	105 ± 166	115 ± 160	145 ± 154	135 ± 162
CCR6 + CK14	13 ± 23	5 ± 10	5 ± 10	7 ± 10	5 ± 10
CCR6 + CLA	127 ± 122	96 ± 126	103 ± 121	118 ± 111	140 ± 140
CCR6 + c-myc	7 ± 15	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CCR6 + Collagen IV	21 ± 28	13 ± 23	16 ± 23	17 ± 22	56 ± 110
CCR6 + FXIIIA	25 ± 25	15 ± 16	16 ± 15	26 ± 24	17 ± 15
CCR6 + HLA-DR	352 ± 368	240 ± 341	264 ± 326	353 ± 313	349 ± 374
CCR6 + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CCR6 + IL-23R	2 ± 3	1 ± 3	1 ± 3	5 ± 10	1 ± 3
CCR6 + Ki67	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 1
CCR6 + PI	356 ± 390	256 ± 380	278 ± 366	317 ± 345	358 ± 395
CCR6 + Podoplanin	65 ± 95	33 ± 66	34 ± 66	53 ± 73	33 ± 66
CCR6 + SNA1	113 ± 145	54 ± 79	60 ± 76	84 ± 92	65 ± 76
CCR6 + STAT3	8 ± 12	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CCR6 + TIA1	40 ± 53	33 ± 56	35 ± 55	38 ± 53	42 ± 54
CCR6 + Vimentin	266 ± 367	166 ± 327	187 ± 319	291 ± 368	240 ± 341

Tabelle 786: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11a für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD11a + Aktin	9 ± 12	6 ± 8	5 ± 8	5 ± 8	13 ± 21
CD11a + BCL2	226 ± 190	163 ± 211	178 ± 201	216 ± 209	187 ± 199
CD11a + CCR6	407 ± 456	287 ± 442	316 ± 426	474 ± 501	372 ± 434
CD11a + CD11b	416 ± 590	396 ± 603	389 ± 609	416 ± 591	459 ± 586
CD11a + CD120a	17 ± 43	17 ± 43	18 ± 43	19 ± 43	17 ± 43
CD11a + CD120b	104 ± 190	86 ± 196	91 ± 194	111 ± 194	94 ± 194
CD11a + CD138	34 ± 54	17 ± 38	17 ± 38	17 ± 38	17 ± 38
CD11a + CD15	2 ± 2	1 ± 2	1 ± 2	5 ± 6	1 ± 2
CD11a + CD1a	29 ± 32	27 ± 32	24 ± 33	26 ± 32	24 ± 33
CD11a + CD2	1174 ± 1191	985 ± 1299	1065 ± 1249	1244 ± 1205	1112 ± 1236
CD11a + CD207	95 ± 121	90 ± 124	88 ± 125	95 ± 120	104 ± 120
CD11a + CD24	12 ± 11	11 ± 12	12 ± 12	13 ± 11	12 ± 12
CD11a + CD28	927 ± 1033	752 ± 1115	788 ± 1092	986 ± 1053	832 ± 1075
CD11a + CD29	152 ± 135	102 ± 118	104 ± 117	112 ± 110	146 ± 137
CD11a + CD3	1215 ± 1221	1011 ± 1337	1093 ± 1286	1295 ± 1234	1136 ± 1274
CD11a + CD31	9 ± 10	6 ± 9	6 ± 9	7 ± 9	11 ± 15
CD11a + CD4	1184 ± 1229	981 ± 1338	1054 ± 1293	1263 ± 1245	1105 ± 1279
CD11a + CD44	1101 ± 935	897 ± 1055	980 ± 1001	1130 ± 942	1020 ± 992
CD11a + CD45	1095 ± 1080	890 ± 1184	972 ± 1137	1143 ± 1111	1001 ± 1130
CD11a + CD45RA	244 ± 270	200 ± 290	209 ± 285	234 ± 276	226 ± 281
CD11a + CD45RO	669 ± 857	502 ± 901	541 ± 882	729 ± 896	545 ± 880
CD11a + CD52	896 ± 1145	756 ± 1214	814 ± 1184	930 ± 1149	854 ± 1175
CD11a + CD54	835 ± 942	688 ± 992	690 ± 991	872 ± 952	776 ± 956
CD11a + CD56	20 ± 29	6 ± 8	6 ± 8	7 ± 8	6 ± 8
CD11a + CD58	176 ± 254	165 ± 261	158 ± 265	196 ± 257	159 ± 264
CD11a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD11a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11a + CD68	279 ± 483	238 ± 496	260 ± 487	272 ± 484	243 ± 494
CD11a + CD7	713 ± 793	575 ± 850	639 ± 820	747 ± 805	636 ± 821
CD11a + CD8a	355 ± 421	326 ± 441	354 ± 429	380 ± 410	355 ± 428
CD11a + CK14	94 ± 168	78 ± 171	79 ± 171	79 ± 171	78 ± 171
CD11a + CLA	343 ± 258	303 ± 293	322 ± 277	331 ± 263	354 ± 270
CD11a + c-myc	29 ± 53	23 ± 54	24 ± 54	24 ± 54	23 ± 54
CD11a + Collagen IV	59 ± 71	48 ± 73	53 ± 71	51 ± 71	92 ± 124
CD11a + FXIIIA	49 ± 34	36 ± 40	37 ± 39	50 ± 41	39 ± 38
CD11a + HLA-DR	986 ± 819	800 ± 931	864 ± 887	944 ± 830	902 ± 876
CD11a + IL-22R	36 ± 83	35 ± 83	35 ± 83	36 ± 83	35 ± 83
CD11a + IL-23R	6 ± 7	3 ± 5	3 ± 5	9 ± 16	3 ± 5
CD11a + Ki67	5 ± 7	3 ± 6	3 ± 6	3 ± 6	4 ± 6
CD11a + PI	1030 ± 1060	871 ± 1153	929 ± 1115	956 ± 1088	966 ± 1103
CD11a + Podoplanin	115 ± 173	77 ± 162	78 ± 162	106 ± 162	76 ± 163
CD11a + SNA1	252 ± 205	147 ± 186	161 ± 178	182 ± 180	157 ± 180
CD11a + STAT3	9 ± 15	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD11a + TIA1	107 ± 149	93 ± 157	99 ± 154	102 ± 152	106 ± 152
CD11a + Vimentin	645 ± 768	495 ± 807	537 ± 788	652 ± 784	555 ± 785

Tabelle 787: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD11b für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD11b + Aktin	6 ± 9	7 ± 10	5 ± 10	8 ± 10	10 ± 14
CD11b + BCL2	57 ± 67	50 ± 71	51 ± 71	55 ± 68	72 ± 77
CD11b + CCR6	144 ± 233	133 ± 239	133 ± 239	154 ± 229	189 ± 248
CD11b + CD11a	416 ± 590	396 ± 603	389 ± 609	416 ± 591	459 ± 586
CD11b + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD11b + CD120b	47 ± 109	45 ± 110	44 ± 111	46 ± 110	50 ± 109
CD11b + CD138	2 ± 3	1 ± 3	1 ± 3	2 ± 2	2 ± 3
CD11b + CD15	1 ± 2	0 ± 1	1 ± 1	4 ± 6	1 ± 1
CD11b + CD1a	5 ± 12	7 ± 12	5 ± 12	5 ± 12	5 ± 12
CD11b + CD2	423 ± 590	403 ± 604	396 ± 609	425 ± 590	498 ± 593
CD11b + CD207	21 ± 49	22 ± 48	21 ± 49	24 ± 48	38 ± 61
CD11b + CD24	5 ± 5	5 ± 4	5 ± 5	7 ± 4	6 ± 4
CD11b + CD28	302 ± 486	284 ± 496	278 ± 500	307 ± 485	337 ± 485
CD11b + CD29	74 ± 69	70 ± 72	67 ± 75	78 ± 67	115 ± 119
CD11b + CD3	432 ± 601	413 ± 614	405 ± 620	449 ± 594	507 ± 602
CD11b + CD31	5 ± 11	5 ± 11	5 ± 11	8 ± 11	12 ± 18
CD11b + CD4	446 ± 614	428 ± 627	419 ± 634	462 ± 608	523 ± 615
CD11b + CD44	410 ± 482	392 ± 497	382 ± 505	420 ± 478	481 ± 487
CD11b + CD45	378 ± 517	358 ± 530	350 ± 536	373 ± 521	433 ± 519
CD11b + CD45RA	137 ± 176	127 ± 183	124 ± 186	131 ± 180	146 ± 178
CD11b + CD45RO	243 ± 430	219 ± 442	219 ± 442	242 ± 431	252 ± 431
CD11b + CD52	320 ± 552	304 ± 560	299 ± 563	322 ± 551	367 ± 551
CD11b + CD54	354 ± 529	340 ± 539	331 ± 544	348 ± 534	421 ± 533
CD11b + CD56	9 ± 11	5 ± 10	5 ± 10	7 ± 10	5 ± 10
CD11b + CD58	69 ± 134	72 ± 134	64 ± 137	71 ± 133	67 ± 135
CD11b + CD62E	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 1
CD11b + CD62P	0 ± 1	0 ± 1	0 ± 1	1 ± 1	2 ± 3
CD11b + CD68	208 ± 413	196 ± 419	196 ± 419	205 ± 414	201 ± 416
CD11b + CD7	251 ± 414	237 ± 422	231 ± 425	249 ± 415	284 ± 415
CD11b + CD8a	136 ± 206	133 ± 209	123 ± 214	135 ± 208	143 ± 207
CD11b + CK14	5 ± 9	5 ± 9	5 ± 9	5 ± 9	5 ± 9
CD11b + CLA	116 ± 138	117 ± 137	112 ± 140	125 ± 133	154 ± 147
CD11b + c-myc	10 ± 16	9 ± 17	9 ± 17	9 ± 17	9 ± 17
CD11b + Collagen IV	26 ± 32	27 ± 32	25 ± 33	28 ± 31	51 ± 64
CD11b + FXIIIA	44 ± 33	40 ± 36	38 ± 38	43 ± 34	43 ± 35
CD11b + HLA-DR	406 ± 459	389 ± 473	378 ± 482	416 ± 456	466 ± 458
CD11b + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD11b + IL-23R	3 ± 7	3 ± 7	3 ± 7	5 ± 7	5 ± 9
CD11b + Ki67	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD11b + PI	370 ± 478	361 ± 486	351 ± 493	379 ± 475	429 ± 473
CD11b + Podoplanin	37 ± 60	34 ± 62	34 ± 62	36 ± 60	34 ± 62
CD11b + SNA1	119 ± 94	99 ± 109	96 ± 111	101 ± 107	107 ± 105
CD11b + STAT3	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD11b + TIA1	60 ± 108	53 ± 111	53 ± 111	56 ± 110	57 ± 109
CD11b + Vimentin	296 ± 496	286 ± 502	277 ± 507	297 ± 496	339 ± 495

Tabelle 788: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120a für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD120a + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + BCL2	12 ± 31	12 ± 31	12 ± 31	12 ± 31	12 ± 31
CD120a + CCR6	1 ± 1	1 ± 1	1 ± 1	2 ± 2	1 ± 1
CD120a + CD11a	17 ± 43	17 ± 43	18 ± 43	19 ± 43	17 ± 43
CD120a + CD11b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD120b	0 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD120a + CD138	12 ± 32	12 ± 32	12 ± 32	12 ± 32	12 ± 32
CD120a + CD15	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD120a + CD1a	18 ± 47	18 ± 47	18 ± 47	18 ± 47	18 ± 47
CD120a + CD2	19 ± 49	19 ± 49	19 ± 49	21 ± 49	19 ± 49
CD120a + CD207	35 ± 94	35 ± 94	36 ± 94	36 ± 94	35 ± 94
CD120a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD28	8 ± 18	7 ± 18	8 ± 18	9 ± 18	7 ± 18
CD120a + CD29	7 ± 17	7 ± 17	7 ± 17	7 ± 17	7 ± 17
CD120a + CD3	12 ± 29	12 ± 29	13 ± 29	14 ± 29	12 ± 29
CD120a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD4	10 ± 25	10 ± 25	11 ± 25	12 ± 25	10 ± 25
CD120a + CD44	37 ± 95	37 ± 95	38 ± 95	39 ± 94	37 ± 95
CD120a + CD45	18 ± 46	18 ± 46	19 ± 46	20 ± 46	18 ± 46
CD120a + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD45RO	3 ± 6	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CD120a + CD52	1 ± 1	0 ± 1	1 ± 1	2 ± 3	0 ± 1
CD120a + CD54	1 ± 1	1 ± 1	1 ± 2	2 ± 4	1 ± 1
CD120a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD58	17 ± 45	17 ± 45	18 ± 44	17 ± 45	17 ± 45
CD120a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + CD68	22 ± 58	22 ± 58	23 ± 58	23 ± 58	22 ± 58
CD120a + CD7	5 ± 11	5 ± 11	5 ± 11	6 ± 11	5 ± 11
CD120a + CD8a	0 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD120a + CK14	34 ± 89	34 ± 89	34 ± 89	34 ± 89	34 ± 89
CD120a + CLA	17 ± 44	17 ± 44	17 ± 44	17 ± 44	17 ± 44
CD120a + c-myc	17 ± 44	17 ± 44	17 ± 43	17 ± 44	17 ± 44
CD120a + Collagen IV	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + HLA-DR	37 ± 94	36 ± 95	38 ± 94	38 ± 94	36 ± 95
CD120a + IL-22R	27 ± 71	27 ± 71	27 ± 71	27 ± 71	27 ± 71
CD120a + IL-23R	4 ± 11	4 ± 11	4 ± 11	5 ± 11	4 ± 11
CD120a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + PI	14 ± 36	14 ± 36	15 ± 36	15 ± 36	14 ± 36
CD120a + Podoplanin	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120a + SNA1	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD120a + STAT3	2 ± 7	2 ± 7	3 ± 7	2 ± 7	2 ± 7
CD120a + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120a + Vimentin	25 ± 64	25 ± 64	26 ± 63	26 ± 63	25 ± 64

Tabelle 789: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD120b für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD120b + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + BCL2	19 ± 28	13 ± 29	13 ± 29	20 ± 32	13 ± 28
CD120b + CCR6	50 ± 93	39 ± 94	41 ± 94	59 ± 98	45 ± 93
CD120b + CD11a	104 ± 190	86 ± 196	91 ± 194	111 ± 194	94 ± 194
CD120b + CD11b	47 ± 109	45 ± 110	44 ± 111	46 ± 110	50 ± 109
CD120b + CD120a	0 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD120b + CD138	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD1a	7 ± 15	6 ± 15	6 ± 15	6 ± 15	6 ± 15
CD120b + CD2	100 ± 189	85 ± 194	89 ± 193	109 ± 192	98 ± 191
CD120b + CD207	14 ± 30	12 ± 31	13 ± 30	13 ± 30	17 ± 31
CD120b + CD24	9 ± 7	7 ± 8	7 ± 8	8 ± 8	8 ± 8
CD120b + CD28	99 ± 183	83 ± 188	86 ± 187	108 ± 186	95 ± 185
CD120b + CD29	26 ± 29	18 ± 30	20 ± 29	20 ± 29	24 ± 31
CD120b + CD3	105 ± 194	88 ± 200	93 ± 198	114 ± 197	101 ± 197
CD120b + CD31	1 ± 1	1 ± 1	1 ± 1	1 ± 1	6 ± 14
CD120b + CD4	104 ± 192	87 ± 198	92 ± 196	113 ± 196	100 ± 195
CD120b + CD44	93 ± 156	74 ± 162	80 ± 160	98 ± 160	87 ± 160
CD120b + CD45	100 ± 182	83 ± 188	88 ± 186	108 ± 186	92 ± 186
CD120b + CD45RA	22 ± 36	16 ± 37	17 ± 37	24 ± 39	22 ± 37
CD120b + CD45RO	85 ± 174	70 ± 178	75 ± 177	94 ± 177	72 ± 178
CD120b + CD52	82 ± 182	76 ± 185	80 ± 183	98 ± 182	83 ± 182
CD120b + CD54	88 ± 167	75 ± 171	77 ± 170	94 ± 169	82 ± 169
CD120b + CD56	3 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD120b + CD58	35 ± 69	29 ± 70	29 ± 71	42 ± 73	29 ± 70
CD120b + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD120b + CD68	34 ± 69	28 ± 71	30 ± 70	32 ± 70	33 ± 70
CD120b + CD7	90 ± 175	74 ± 180	79 ± 178	96 ± 178	82 ± 177
CD120b + CD8a	45 ± 107	46 ± 106	45 ± 106	53 ± 104	49 ± 105
CD120b + CK14	4 ± 6	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD120b + CLA	34 ± 59	27 ± 60	29 ± 60	29 ± 60	35 ± 61
CD120b + c-myc	2 ± 3	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD120b + Collagen IV	5 ± 7	4 ± 8	4 ± 8	5 ± 7	11 ± 18
CD120b + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
CD120b + HLA-DR	78 ± 127	60 ± 132	65 ± 130	77 ± 129	72 ± 130
CD120b + IL-22R	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CD120b + IL-23R	2 ± 2	1 ± 1	1 ± 1	3 ± 5	1 ± 1
CD120b + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + PI	75 ± 144	64 ± 147	68 ± 146	67 ± 146	72 ± 145
CD120b + Podoplanin	12 ± 22	10 ± 22	10 ± 22	13 ± 22	10 ± 22
CD120b + SNA1	33 ± 37	19 ± 36	22 ± 35	22 ± 36	24 ± 36
CD120b + STAT3	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD120b + TIA1	14 ± 31	13 ± 31	13 ± 31	14 ± 31	16 ± 31
CD120b + Vimentin	62 ± 122	49 ± 125	52 ± 124	64 ± 125	58 ± 124

Tabelle 790: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD138 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD138 + Aktin	4 ± 8	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + BCL2	49 ± 115	44 ± 116	44 ± 116	44 ± 116	45 ± 116
CD138 + CCR6	11 ± 24	1 ± 2	1 ± 2	2 ± 2	2 ± 2
CD138 + CD11a	34 ± 54	17 ± 38	17 ± 38	17 ± 38	17 ± 38
CD138 + CD11b	2 ± 3	1 ± 3	1 ± 3	2 ± 2	2 ± 3
CD138 + CD120a	12 ± 32	12 ± 32	12 ± 32	12 ± 32	12 ± 32
CD138 + CD120b	1 ± 3	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + CD15	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD138 + CD1a	22 ± 48	19 ± 49	19 ± 49	19 ± 49	19 ± 49
CD138 + CD2	35 ± 54	16 ± 31	16 ± 31	17 ± 30	17 ± 30
CD138 + CD207	55 ± 138	53 ± 139	53 ± 139	53 ± 139	53 ± 139
CD138 + CD24	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD138 + CD28	27 ± 55	5 ± 10	5 ± 10	5 ± 10	5 ± 10
CD138 + CD29	45 ± 72	29 ± 66	29 ± 66	29 ± 66	29 ± 66
CD138 + CD3	32 ± 55	11 ± 20	11 ± 20	12 ± 20	12 ± 20
CD138 + CD31	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD4	28 ± 51	9 ± 15	9 ± 15	9 ± 15	9 ± 15
CD138 + CD44	95 ± 184	72 ± 185	73 ± 185	74 ± 184	73 ± 184
CD138 + CD45	34 ± 59	12 ± 27	12 ± 27	12 ± 27	12 ± 27
CD138 + CD45RA	4 ± 7	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD45RO	21 ± 46	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD138 + CD52	7 ± 15	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD54	22 ± 48	3 ± 7	3 ± 7	3 ± 7	4 ± 7
CD138 + CD56	4 ± 8	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + CD58	42 ± 96	38 ± 97	38 ± 97	38 ± 97	38 ± 97
CD138 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD138 + CD68	19 ± 31	14 ± 31	14 ± 31	15 ± 30	14 ± 31
CD138 + CD7	14 ± 31	2 ± 3	2 ± 3	2 ± 3	2 ± 2
CD138 + CD8a	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD138 + CK14	97 ± 197	79 ± 199	80 ± 199	81 ± 199	79 ± 199
CD138 + CLA	17 ± 39	15 ± 39	15 ± 39	15 ± 39	15 ± 39
CD138 + c-myc	67 ± 165	63 ± 166	64 ± 166	63 ± 166	63 ± 166
CD138 + Collagen IV	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + FXIIIA	4 ± 7	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + HLA-DR	82 ± 158	63 ± 158	63 ± 158	64 ± 158	64 ± 158
CD138 + IL-22R	62 ± 156	60 ± 156	60 ± 156	61 ± 156	60 ± 156
CD138 + IL-23R	8 ± 14	6 ± 14	6 ± 14	7 ± 14	6 ± 14
CD138 + Ki67	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD138 + PI	18 ± 29	9 ± 22	10 ± 22	10 ± 22	10 ± 22
CD138 + Podoplanin	5 ± 7	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD138 + SNA1	16 ± 38	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD138 + STAT3	21 ± 39	15 ± 39	15 ± 39	16 ± 38	15 ± 39
CD138 + TIA1	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD138 + Vimentin	32 ± 49	17 ± 36	17 ± 36	18 ± 36	18 ± 36

Tabelle 791: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD15 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD15 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + BCL2	2 ± 3	2 ± 3	2 ± 3	5 ± 5	2 ± 3
CD15 + CCR6	1 ± 1	0 ± 1	0 ± 1	4 ± 7	1 ± 1
CD15 + CD11a	2 ± 2	1 ± 2	1 ± 2	5 ± 6	1 ± 2
CD15 + CD11b	1 ± 2	0 ± 1	1 ± 1	4 ± 6	1 ± 1
CD15 + CD120a	1 ± 3	1 ± 3	1 ± 3	2 ± 3	1 ± 3
CD15 + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD138	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD15 + CD1a	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD15 + CD2	3 ± 4	3 ± 4	3 ± 4	8 ± 8	3 ± 4
CD15 + CD207	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD15 + CD24	0 ± 0	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD15 + CD28	0 ± 1	0 ± 1	0 ± 1	4 ± 6	1 ± 1
CD15 + CD29	0 ± 0	0 ± 0	0 ± 0	2 ± 3	1 ± 1
CD15 + CD3	2 ± 2	2 ± 2	2 ± 2	7 ± 9	2 ± 2
CD15 + CD31	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD15 + CD4	2 ± 2	2 ± 3	2 ± 2	7 ± 8	2 ± 2
CD15 + CD44	3 ± 4	3 ± 4	3 ± 4	8 ± 8	3 ± 4
CD15 + CD45	2 ± 2	2 ± 2	2 ± 2	5 ± 6	2 ± 2
CD15 + CD45RA	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 1
CD15 + CD45RO	0 ± 1	0 ± 0	0 ± 1	4 ± 6	0 ± 1
CD15 + CD52	0 ± 1	0 ± 0	0 ± 0	3 ± 6	1 ± 1
CD15 + CD54	2 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 2
CD15 + CD56	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + CD58	1 ± 3	1 ± 3	1 ± 3	3 ± 6	1 ± 3
CD15 + CD62E	0 ± 0	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD15 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD15 + CD68	2 ± 3	2 ± 3	2 ± 3	3 ± 4	2 ± 3
CD15 + CD7	1 ± 2	1 ± 2	1 ± 2	4 ± 6	1 ± 2
CD15 + CD8a	1 ± 1	0 ± 1	0 ± 1	2 ± 2	0 ± 1
CD15 + CK14	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD15 + CLA	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CD15 + c-myc	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD15 + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + HLA-DR	3 ± 4	3 ± 4	3 ± 4	7 ± 8	3 ± 4
CD15 + IL-22R	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD15 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + PI	1 ± 2	1 ± 2	1 ± 2	4 ± 7	2 ± 2
CD15 + Podoplanin	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
CD15 + SNA1	1 ± 1	1 ± 1	1 ± 1	2 ± 3	1 ± 1
CD15 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD15 + Vimentin	2 ± 3	2 ± 3	2 ± 3	5 ± 7	2 ± 3

Tabelle 792: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD1a für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD1a + Aktin	0 ± 0	1 ± 2	0 ± 0	0 ± 0	0 ± 0
CD1a + BCL2	21 ± 48	21 ± 48	20 ± 48	20 ± 48	20 ± 48
CD1a + CCR6	7 ± 11	5 ± 10	5 ± 10	6 ± 10	5 ± 10
CD1a + CD11a	29 ± 32	27 ± 32	24 ± 33	26 ± 32	24 ± 33
CD1a + CD11b	5 ± 12	7 ± 12	5 ± 12	5 ± 12	5 ± 12
CD1a + CD120a	18 ± 47	18 ± 47	18 ± 47	18 ± 47	18 ± 47
CD1a + CD120b	7 ± 15	6 ± 15	6 ± 15	6 ± 15	6 ± 15
CD1a + CD138	22 ± 48	19 ± 49	19 ± 49	19 ± 49	19 ± 49
CD1a + CD15	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD1a + CD2	31 ± 34	27 ± 35	26 ± 36	28 ± 35	26 ± 36
CD1a + CD207	46 ± 92	46 ± 92	44 ± 93	47 ± 92	44 ± 94
CD1a + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD28	22 ± 22	18 ± 21	17 ± 22	17 ± 22	17 ± 22
CD1a + CD29	13 ± 22	11 ± 23	10 ± 23	10 ± 23	10 ± 23
CD1a + CD3	26 ± 26	25 ± 26	22 ± 27	24 ± 26	21 ± 28
CD1a + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD4	25 ± 24	23 ± 23	20 ± 24	22 ± 23	20 ± 25
CD1a + CD44	51 ± 88	50 ± 89	47 ± 90	49 ± 89	46 ± 90
CD1a + CD45	33 ± 38	31 ± 38	28 ± 40	28 ± 39	27 ± 40
CD1a + CD45RA	2 ± 5	4 ± 9	0 ± 1	0 ± 1	0 ± 1
CD1a + CD45RO	15 ± 20	10 ± 19	10 ± 19	12 ± 18	10 ± 19
CD1a + CD52	12 ± 20	14 ± 20	12 ± 20	12 ± 20	12 ± 21
CD1a + CD54	17 ± 22	16 ± 21	12 ± 22	13 ± 21	12 ± 22
CD1a + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD58	29 ± 53	30 ± 53	26 ± 54	27 ± 54	26 ± 54
CD1a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + CD68	22 ± 46	21 ± 47	21 ± 47	21 ± 47	21 ± 47
CD1a + CD7	14 ± 17	12 ± 17	12 ± 17	12 ± 18	11 ± 18
CD1a + CD8a	8 ± 13	11 ± 13	8 ± 13	8 ± 13	8 ± 13
CD1a + CK14	39 ± 92	36 ± 93	36 ± 93	37 ± 93	36 ± 93
CD1a + CLA	15 ± 27	15 ± 27	14 ± 27	16 ± 27	14 ± 28
CD1a + c-myc	25 ± 66	25 ± 66	25 ± 66	25 ± 66	25 ± 66
CD1a + Collagen IV	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
CD1a + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + HLA-DR	47 ± 81	46 ± 81	43 ± 82	45 ± 81	42 ± 83
CD1a + IL-22R	32 ± 82	32 ± 83	32 ± 83	32 ± 83	32 ± 83
CD1a + IL-23R	6 ± 13	5 ± 14	5 ± 14	5 ± 14	5 ± 14
CD1a + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD1a + PI	20 ± 21	21 ± 21	18 ± 22	18 ± 22	17 ± 22
CD1a + Podoplanin	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
CD1a + SNA1	9 ± 10	7 ± 7	6 ± 7	7 ± 7	6 ± 7
CD1a + STAT3	6 ± 14	6 ± 14	6 ± 14	6 ± 14	6 ± 14
CD1a + TIA1	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD1a + Vimentin	27 ± 43	28 ± 43	25 ± 44	24 ± 44	24 ± 44

Tabelle 793: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD2 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD2 + Aktin	13 ± 13	10 ± 11	9 ± 11	9 ± 11	27 ± 45
CD2 + BCL2	244 ± 217	179 ± 239	195 ± 229	237 ± 233	213 ± 226
CD2 + CCR6	410 ± 457	293 ± 447	321 ± 430	483 ± 498	421 ± 476
CD2 + CD11a	1174 ± 1191	985 ± 1299	1065 ± 1249	1244 ± 1205	1112 ± 1236
CD2 + CD11b	423 ± 590	403 ± 604	396 ± 609	425 ± 590	498 ± 593
CD2 + CD120a	19 ± 49	19 ± 49	19 ± 49	21 ± 49	19 ± 49
CD2 + CD120b	100 ± 189	85 ± 194	89 ± 193	109 ± 192	98 ± 191
CD2 + CD138	35 ± 54	16 ± 31	16 ± 31	17 ± 30	17 ± 30
CD2 + CD15	3 ± 4	3 ± 4	3 ± 4	8 ± 8	3 ± 4
CD2 + CD1a	31 ± 34	27 ± 35	26 ± 36	28 ± 35	26 ± 36
CD2 + CD207	95 ± 117	88 ± 121	87 ± 121	95 ± 116	106 ± 116
CD2 + CD24	10 ± 12	10 ± 13	10 ± 13	11 ± 12	11 ± 12
CD2 + CD28	928 ± 1050	759 ± 1128	794 ± 1106	986 ± 1064	867 ± 1083
CD2 + CD29	162 ± 137	114 ± 127	115 ± 125	123 ± 119	184 ± 188
CD2 + CD3	1236 ± 1265	1041 ± 1377	1123 ± 1324	1333 ± 1258	1253 ± 1314
CD2 + CD31	15 ± 15	12 ± 16	12 ± 16	13 ± 15	30 ± 45
CD2 + CD4	1212 ± 1267	1016 ± 1374	1090 ± 1327	1308 ± 1262	1228 ± 1315
CD2 + CD44	1088 ± 951	895 ± 1063	977 ± 1007	1130 ± 943	1098 ± 1012
CD2 + CD45	1087 ± 1095	889 ± 1194	969 ± 1146	1140 ± 1117	1043 ± 1138
CD2 + CD45RA	232 ± 263	189 ± 283	200 ± 277	223 ± 271	229 ± 275
CD2 + CD45RO	686 ± 874	520 ± 919	558 ± 900	760 ± 904	578 ± 894
CD2 + CD52	915 ± 1174	774 ± 1244	833 ± 1212	955 ± 1170	924 ± 1203
CD2 + CD54	860 ± 970	714 ± 1025	717 ± 1023	893 ± 978	858 ± 988
CD2 + CD56	17 ± 27	4 ± 8	4 ± 8	7 ± 7	4 ± 8
CD2 + CD58	175 ± 253	165 ± 260	159 ± 264	196 ± 255	162 ± 262
CD2 + CD62E	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
CD2 + CD62P	5 ± 10	5 ± 10	5 ± 10	5 ± 10	9 ± 13
CD2 + CD68	302 ± 492	262 ± 507	283 ± 498	300 ± 491	278 ± 499
CD2 + CD7	714 ± 807	584 ± 861	646 ± 832	755 ± 816	664 ± 829
CD2 + CD8a	362 ± 433	332 ± 454	362 ± 440	390 ± 420	371 ± 438
CD2 + CK14	96 ± 162	78 ± 165	78 ± 165	80 ± 164	79 ± 165
CD2 + CLA	353 ± 265	315 ± 298	335 ± 281	347 ± 265	384 ± 279
CD2 + c-myc	28 ± 52	23 ± 53	23 ± 53	23 ± 53	23 ± 53
CD2 + Collagen IV	59 ± 65	49 ± 69	55 ± 66	53 ± 66	128 ± 202
CD2 + FXIIIA	52 ± 45	41 ± 51	41 ± 50	56 ± 49	45 ± 48
CD2 + HLA-DR	989 ± 841	814 ± 949	877 ± 903	964 ± 839	987 ± 899
CD2 + IL-22R	36 ± 81	35 ± 82	35 ± 82	35 ± 81	35 ± 82
CD2 + IL-23R	7 ± 8	3 ± 6	3 ± 6	11 ± 16	9 ± 14
CD2 + Ki67	5 ± 7	3 ± 6	3 ± 6	4 ± 6	4 ± 6
CD2 + PI	1073 ± 1115	916 ± 1209	976 ± 1169	1005 ± 1140	1085 ± 1151
CD2 + Podoplanin	115 ± 174	75 ± 163	76 ± 162	103 ± 163	75 ± 163
CD2 + SNA1	257 ± 210	157 ± 197	172 ± 189	194 ± 189	180 ± 188
CD2 + STAT3	10 ± 12	5 ± 6	5 ± 6	6 ± 6	5 ± 6
CD2 + TIA1	110 ± 156	96 ± 164	102 ± 160	105 ± 158	110 ± 158
CD2 + Vimentin	681 ± 779	532 ± 823	576 ± 800	701 ± 786	649 ± 800

Tabelle 794: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD207 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD207 + Aktin	0 ± 0	0 ± 1	0 ± 0	0 ± 0	0 ± 0
CD207 + BCL2	59 ± 131	57 ± 132	57 ± 132	57 ± 132	60 ± 130
CD207 + CCR6	18 ± 24	12 ± 22	12 ± 21	15 ± 20	23 ± 34
CD207 + CD11a	95 ± 121	90 ± 124	88 ± 125	95 ± 120	104 ± 120
CD207 + CD11b	21 ± 49	22 ± 48	21 ± 49	24 ± 48	38 ± 61
CD207 + CD120a	35 ± 94	35 ± 94	36 ± 94	36 ± 94	35 ± 94
CD207 + CD120b	14 ± 30	12 ± 31	13 ± 30	13 ± 30	17 ± 31
CD207 + CD138	55 ± 138	53 ± 139	53 ± 139	53 ± 139	53 ± 139
CD207 + CD15	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD207 + CD1a	46 ± 92	46 ± 92	44 ± 93	47 ± 92	44 ± 94
CD207 + CD2	95 ± 117	88 ± 121	87 ± 121	95 ± 116	106 ± 116
CD207 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD207 + CD28	62 ± 70	55 ± 73	55 ± 73	59 ± 70	72 ± 73
CD207 + CD29	33 ± 66	28 ± 67	28 ± 67	30 ± 67	40 ± 69
CD207 + CD3	80 ± 91	76 ± 94	73 ± 96	84 ± 89	92 ± 92
CD207 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD4	77 ± 83	71 ± 86	69 ± 87	79 ± 80	88 ± 85
CD207 + CD44	160 ± 303	155 ± 305	153 ± 306	161 ± 302	170 ± 300
CD207 + CD45	88 ± 104	82 ± 107	80 ± 108	86 ± 104	98 ± 104
CD207 + CD45RA	3 ± 6	4 ± 7	2 ± 4	2 ± 4	10 ± 23
CD207 + CD45RO	44 ± 62	36 ± 64	36 ± 64	43 ± 60	41 ± 62
CD207 + CD52	43 ± 71	41 ± 71	40 ± 72	45 ± 70	56 ± 75
CD207 + CD54	51 ± 69	45 ± 70	43 ± 71	48 ± 69	62 ± 75
CD207 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD58	60 ± 128	60 ± 127	58 ± 128	59 ± 128	58 ± 128
CD207 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD207 + CD68	56 ± 101	53 ± 102	54 ± 102	53 ± 102	53 ± 102
CD207 + CD7	41 ± 54	36 ± 56	36 ± 56	38 ± 54	49 ± 58
CD207 + CD8a	13 ± 18	14 ± 17	12 ± 18	15 ± 18	14 ± 17
CD207 + CK14	119 ± 307	118 ± 308	118 ± 308	119 ± 307	118 ± 308
CD207 + CLA	52 ± 98	48 ± 99	48 ± 99	55 ± 96	65 ± 100
CD207 + c-myc	70 ± 184	70 ± 184	70 ± 184	70 ± 184	70 ± 184
CD207 + Collagen IV	1 ± 3	2 ± 3	1 ± 3	1 ± 3	3 ± 5
CD207 + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	2 ± 4
CD207 + HLA-DR	147 ± 279	142 ± 281	141 ± 282	149 ± 278	157 ± 276
CD207 + IL-22R	91 ± 238	91 ± 238	91 ± 238	91 ± 238	91 ± 238
CD207 + IL-23R	7 ± 18	7 ± 18	7 ± 18	7 ± 18	7 ± 18
CD207 + Ki67	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD207 + PI	72 ± 98	71 ± 99	69 ± 101	73 ± 98	84 ± 97
CD207 + Podoplanin	10 ± 16	6 ± 15	6 ± 15	6 ± 15	6 ± 15
CD207 + SNA1	16 ± 19	10 ± 14	9 ± 14	11 ± 14	9 ± 14
CD207 + STAT3	11 ± 27	11 ± 27	11 ± 27	11 ± 27	11 ± 27
CD207 + TIA1	1 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 4
CD207 + Vimentin	79 ± 119	76 ± 120	74 ± 121	75 ± 121	78 ± 119

Tabelle 795: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD24 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD24 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + BCL2	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD24 + CCR6	3 ± 3	3 ± 3	3 ± 3	4 ± 2	4 ± 3
CD24 + CD11a	12 ± 11	11 ± 12	12 ± 12	13 ± 11	12 ± 12
CD24 + CD11b	5 ± 5	5 ± 4	5 ± 5	7 ± 4	6 ± 4
CD24 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD120b	9 ± 7	7 ± 8	7 ± 8	8 ± 8	8 ± 8
CD24 + CD138	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD24 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD24 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD2	10 ± 12	10 ± 13	10 ± 13	11 ± 12	11 ± 12
CD24 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD28	10 ± 11	9 ± 11	10 ± 11	11 ± 10	10 ± 11
CD24 + CD29	9 ± 6	7 ± 7	8 ± 7	8 ± 7	9 ± 7
CD24 + CD3	12 ± 13	12 ± 13	12 ± 13	14 ± 12	13 ± 13
CD24 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD4	11 ± 11	10 ± 12	11 ± 12	12 ± 11	12 ± 12
CD24 + CD44	14 ± 12	12 ± 13	13 ± 13	15 ± 11	14 ± 12
CD24 + CD45	12 ± 12	10 ± 13	11 ± 12	12 ± 11	11 ± 12
CD24 + CD45RA	7 ± 4	5 ± 6	5 ± 6	6 ± 5	6 ± 5
CD24 + CD45RO	3 ± 3	3 ± 4	3 ± 4	4 ± 4	3 ± 4
CD24 + CD52	9 ± 13	8 ± 13	9 ± 13	9 ± 12	9 ± 13
CD24 + CD54	9 ± 9	8 ± 9	8 ± 9	10 ± 8	10 ± 9
CD24 + CD56	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + CD58	2 ± 2	2 ± 2	2 ± 2	3 ± 3	2 ± 2
CD24 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD24 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + CD68	2 ± 2	2 ± 2	2 ± 2	2 ± 2	2 ± 2
CD24 + CD7	4 ± 5	4 ± 5	5 ± 5	6 ± 5	4 ± 5
CD24 + CD8a	3 ± 5	4 ± 4	3 ± 5	5 ± 4	3 ± 5
CD24 + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD24 + CLA	2 ± 3	3 ± 3	2 ± 3	3 ± 3	3 ± 3
CD24 + c-myc	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + Collagen IV	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD24 + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD24 + HLA-DR	11 ± 7	9 ± 8	10 ± 8	12 ± 6	11 ± 8
CD24 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + IL-23R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD24 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + PI	10 ± 10	8 ± 11	8 ± 11	10 ± 10	10 ± 10
CD24 + Podoplanin	4 ± 5	4 ± 6	4 ± 5	5 ± 5	4 ± 6
CD24 + SNA1	6 ± 4	5 ± 5	5 ± 5	6 ± 4	5 ± 5
CD24 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD24 + TIA1	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CD24 + Vimentin	2 ± 3	1 ± 2	1 ± 2	2 ± 2	2 ± 2

Tabelle 796: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD28 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD28 + Aktin	8 ± 9	7 ± 8	6 ± 8	8 ± 8	15 ± 24
CD28 + BCL2	178 ± 165	119 ± 172	126 ± 168	164 ± 175	134 ± 165
CD28 + CCR6	336 ± 396	235 ± 381	249 ± 373	401 ± 437	302 ± 375
CD28 + CD11a	927 ± 1033	752 ± 1115	788 ± 1092	986 ± 1053	832 ± 1075
CD28 + CD11b	302 ± 486	284 ± 496	278 ± 500	307 ± 485	337 ± 485
CD28 + CD120a	8 ± 18	7 ± 18	8 ± 18	9 ± 18	7 ± 18
CD28 + CD120b	99 ± 183	83 ± 188	86 ± 187	108 ± 186	95 ± 185
CD28 + CD138	27 ± 55	5 ± 10	5 ± 10	5 ± 10	5 ± 10
CD28 + CD15	0 ± 1	0 ± 1	0 ± 1	4 ± 6	1 ± 1
CD28 + CD1a	22 ± 22	18 ± 21	17 ± 22	17 ± 22	17 ± 22
CD28 + CD2	928 ± 1050	759 ± 1128	794 ± 1106	986 ± 1064	867 ± 1083
CD28 + CD207	62 ± 70	55 ± 73	55 ± 73	59 ± 70	72 ± 73
CD28 + CD24	10 ± 11	9 ± 11	10 ± 11	11 ± 10	10 ± 11
CD28 + CD29	123 ± 117	75 ± 90	77 ± 89	87 ± 81	116 ± 117
CD28 + CD3	963 ± 1071	782 ± 1155	819 ± 1131	1038 ± 1078	890 ± 1108
CD28 + CD31	10 ± 11	7 ± 11	7 ± 11	11 ± 10	18 ± 28
CD28 + CD4	942 ± 1065	764 ± 1146	800 ± 1123	1020 ± 1075	873 ± 1101
CD28 + CD44	829 ± 818	650 ± 894	688 ± 870	867 ± 823	756 ± 853
CD28 + CD45	885 ± 962	705 ± 1038	742 ± 1015	934 ± 986	793 ± 998
CD28 + CD45RA	185 ± 220	142 ± 235	146 ± 233	173 ± 226	163 ± 229
CD28 + CD45RO	588 ± 763	442 ± 802	469 ± 788	641 ± 792	477 ± 785
CD28 + CD52	760 ± 1005	632 ± 1064	662 ± 1047	797 ± 1007	713 ± 1032
CD28 + CD54	706 ± 832	572 ± 875	573 ± 875	740 ± 843	646 ± 844
CD28 + CD56	11 ± 16	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CD28 + CD58	153 ± 231	138 ± 238	133 ± 241	176 ± 236	135 ± 240
CD28 + CD62E	1 ± 1	1 ± 1	1 ± 1	1 ± 1	3 ± 5
CD28 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 5
CD28 + CD68	200 ± 376	168 ± 385	176 ± 381	197 ± 376	178 ± 381
CD28 + CD7	612 ± 717	484 ± 762	514 ± 745	641 ± 725	541 ± 737
CD28 + CD8a	286 ± 380	257 ± 397	266 ± 392	309 ± 372	281 ± 387
CD28 + CK14	42 ± 62	21 ± 42	21 ± 42	21 ± 42	22 ± 42
CD28 + CLA	220 ± 206	185 ± 225	196 ± 218	205 ± 210	226 ± 218
CD28 + c-myc	13 ± 17	9 ± 16	9 ± 16	9 ± 16	9 ± 16
CD28 + Collagen IV	50 ± 61	39 ± 63	43 ± 62	46 ± 60	79 ± 109
CD28 + FXIIIA	27 ± 19	18 ± 22	18 ± 22	29 ± 26	22 ± 21
CD28 + HLA-DR	731 ± 706	568 ± 776	598 ± 756	707 ± 703	653 ± 741
CD28 + IL-22R	12 ± 23	11 ± 24	11 ± 24	11 ± 23	11 ± 24
CD28 + IL-23R	6 ± 8	2 ± 4	2 ± 4	9 ± 13	4 ± 5
CD28 + Ki67	1 ± 2	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD28 + PI	804 ± 919	665 ± 987	691 ± 970	745 ± 934	748 ± 949
CD28 + Podoplanin	105 ± 170	72 ± 163	72 ± 163	99 ± 164	71 ± 164
CD28 + SNA1	206 ± 184	111 ± 151	120 ± 146	144 ± 147	127 ± 145
CD28 + STAT3	9 ± 14	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD28 + TIA1	84 ± 118	71 ± 124	73 ± 123	80 ± 119	81 ± 120
CD28 + Vimentin	491 ± 637	360 ± 658	376 ± 651	497 ± 647	418 ± 642

Tabelle 797: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD29 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD29 + Aktin	22 ± 20	18 ± 19	17 ± 20	20 ± 19	30 ± 32
CD29 + BCL2	50 ± 54	33 ± 50	34 ± 50	37 ± 49	46 ± 52
CD29 + CCR6	76 ± 93	41 ± 59	43 ± 58	50 ± 54	79 ± 99
CD29 + CD11a	152 ± 135	102 ± 118	104 ± 117	112 ± 110	146 ± 137
CD29 + CD11b	74 ± 69	70 ± 72	67 ± 75	78 ± 67	115 ± 119
CD29 + CD120a	7 ± 17	7 ± 17	7 ± 17	7 ± 17	7 ± 17
CD29 + CD120b	26 ± 29	18 ± 30	20 ± 29	20 ± 29	24 ± 31
CD29 + CD138	45 ± 72	29 ± 66	29 ± 66	29 ± 66	29 ± 66
CD29 + CD15	0 ± 0	0 ± 0	0 ± 0	2 ± 3	1 ± 1
CD29 + CD1a	13 ± 22	11 ± 23	10 ± 23	10 ± 23	10 ± 23
CD29 + CD2	162 ± 137	114 ± 127	115 ± 125	123 ± 119	184 ± 188
CD29 + CD207	33 ± 66	28 ± 67	28 ± 67	30 ± 67	40 ± 69
CD29 + CD24	9 ± 6	7 ± 7	8 ± 7	8 ± 7	9 ± 7
CD29 + CD28	123 ± 117	75 ± 90	77 ± 89	87 ± 81	116 ± 117
CD29 + CD3	177 ± 160	122 ± 148	126 ± 146	137 ± 137	191 ± 195
CD29 + CD31	27 ± 31	26 ± 32	26 ± 32	30 ± 30	41 ± 41
CD29 + CD4	186 ± 155	130 ± 144	133 ± 142	143 ± 132	200 ± 194
CD29 + CD44	209 ± 157	152 ± 152	154 ± 150	161 ± 142	215 ± 180
CD29 + CD45	150 ± 140	93 ± 107	96 ± 105	102 ± 100	143 ± 140
CD29 + CD45RA	40 ± 33	27 ± 32	27 ± 32	30 ± 29	41 ± 41
CD29 + CD45RO	91 ± 125	47 ± 93	49 ± 92	55 ± 89	62 ± 93
CD29 + CD52	86 ± 80	63 ± 81	65 ± 80	72 ± 75	107 ± 122
CD29 + CD54	181 ± 153	128 ± 142	129 ± 141	133 ± 137	196 ± 188
CD29 + CD56	14 ± 24	4 ± 7	5 ± 7	5 ± 7	4 ± 7
CD29 + CD58	65 ± 65	59 ± 70	57 ± 71	63 ± 66	60 ± 69
CD29 + CD62E	11 ± 22	11 ± 22	11 ± 22	11 ± 22	14 ± 21
CD29 + CD62P	15 ± 25	15 ± 26	15 ± 26	15 ± 26	19 ± 25
CD29 + CD68	81 ± 86	58 ± 82	60 ± 81	64 ± 78	68 ± 78
CD29 + CD7	101 ± 104	61 ± 77	63 ± 76	69 ± 72	92 ± 96
CD29 + CD8a	41 ± 41	39 ± 43	37 ± 45	42 ± 41	57 ± 58
CD29 + CK14	63 ± 93	48 ± 92	48 ± 92	48 ± 92	48 ± 92
CD29 + CLA	59 ± 54	47 ± 55	47 ± 55	50 ± 52	75 ± 77
CD29 + c-myc	47 ± 92	41 ± 94	41 ± 93	41 ± 94	41 ± 94
CD29 + Collagen IV	46 ± 32	40 ± 36	40 ± 36	42 ± 34	72 ± 78
CD29 + FXIIIA	16 ± 17	9 ± 10	9 ± 10	10 ± 10	11 ± 11
CD29 + HLA-DR	214 ± 147	160 ± 150	162 ± 148	169 ± 141	215 ± 162
CD29 + IL-22R	29 ± 71	29 ± 72	29 ± 72	29 ± 72	29 ± 72
CD29 + IL-23R	8 ± 10	6 ± 10	6 ± 10	8 ± 9	11 ± 15
CD29 + Ki67	2 ± 5	2 ± 5	2 ± 5	2 ± 5	3 ± 5
CD29 + PI	150 ± 110	112 ± 110	113 ± 108	117 ± 105	167 ± 148
CD29 + Podoplanin	32 ± 41	22 ± 38	22 ± 38	24 ± 37	22 ± 38
CD29 + SNA1	121 ± 92	78 ± 69	79 ± 68	80 ± 65	92 ± 63
CD29 + STAT3	16 ± 24	12 ± 23	12 ± 23	12 ± 23	12 ± 23
CD29 + TIA1	12 ± 13	10 ± 14	10 ± 14	11 ± 13	14 ± 15
CD29 + Vimentin	130 ± 124	84 ± 100	83 ± 100	88 ± 96	125 ± 124

Tabelle 798: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD3 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD3 + Aktin	15 ± 17	13 ± 17	12 ± 17	15 ± 17	29 ± 45
CD3 + BCL2	232 ± 213	167 ± 232	183 ± 222	225 ± 229	201 ± 221
CD3 + CCR6	427 ± 471	304 ± 458	334 ± 441	515 ± 511	432 ± 484
CD3 + CD11a	1215 ± 1221	1011 ± 1337	1093 ± 1286	1295 ± 1234	1136 ± 1274
CD3 + CD11b	432 ± 601	413 ± 614	405 ± 620	449 ± 594	507 ± 602
CD3 + CD120a	12 ± 29	12 ± 29	13 ± 29	14 ± 29	12 ± 29
CD3 + CD120b	105 ± 194	88 ± 200	93 ± 198	114 ± 197	101 ± 197
CD3 + CD138	32 ± 55	11 ± 20	11 ± 20	12 ± 20	12 ± 20
CD3 + CD15	2 ± 2	2 ± 2	2 ± 2	7 ± 9	2 ± 2
CD3 + CD1a	26 ± 26	25 ± 26	22 ± 27	24 ± 26	21 ± 28
CD3 + CD2	1236 ± 1265	1041 ± 1377	1123 ± 1324	1333 ± 1258	1253 ± 1314
CD3 + CD207	80 ± 91	76 ± 94	73 ± 96	84 ± 89	92 ± 92
CD3 + CD24	12 ± 13	12 ± 13	12 ± 13	14 ± 12	13 ± 13
CD3 + CD28	963 ± 1071	782 ± 1155	819 ± 1131	1038 ± 1078	890 ± 1108
CD3 + CD29	177 ± 160	122 ± 148	126 ± 146	137 ± 137	191 ± 195
CD3 + CD31	18 ± 20	15 ± 21	15 ± 21	19 ± 19	32 ± 44
CD3 + CD4	1268 ± 1290	1056 ± 1408	1135 ± 1358	1391 ± 1276	1267 ± 1346
CD3 + CD44	1143 ± 985	930 ± 1106	1020 ± 1047	1204 ± 965	1133 ± 1053
CD3 + CD45	1122 ± 1105	910 ± 1210	995 ± 1161	1181 ± 1128	1063 ± 1154
CD3 + CD45RA	246 ± 270	203 ± 291	212 ± 285	239 ± 275	241 ± 282
CD3 + CD45RO	682 ± 870	514 ± 916	553 ± 896	765 ± 904	571 ± 891
CD3 + CD52	928 ± 1183	784 ± 1255	844 ± 1223	984 ± 1175	935 ± 1214
CD3 + CD54	900 ± 988	746 ± 1044	750 ± 1041	942 ± 990	887 ± 1005
CD3 + CD56	18 ± 27	5 ± 8	5 ± 8	7 ± 8	5 ± 8
CD3 + CD58	177 ± 269	166 ± 275	158 ± 280	203 ± 270	161 ± 278
CD3 + CD62E	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
CD3 + CD62P	5 ± 12	5 ± 12	5 ± 12	5 ± 12	8 ± 13
CD3 + CD68	293 ± 511	251 ± 524	274 ± 515	295 ± 507	265 ± 517
CD3 + CD7	743 ± 827	600 ± 886	669 ± 854	787 ± 834	681 ± 853
CD3 + CD8a	366 ± 435	338 ± 455	366 ± 442	398 ± 419	373 ± 440
CD3 + CK14	77 ± 113	56 ± 112	56 ± 112	59 ± 110	57 ± 112
CD3 + CLA	344 ± 259	302 ± 295	322 ± 278	339 ± 258	370 ± 279
CD3 + c-myc	21 ± 32	16 ± 32	16 ± 31	16 ± 31	16 ± 32
CD3 + Collagen IV	76 ± 84	63 ± 88	70 ± 84	70 ± 83	140 ± 201
CD3 + FXIIIA	53 ± 35	39 ± 42	41 ± 40	58 ± 40	43 ± 39
CD3 + HLA-DR	1033 ± 871	840 ± 987	910 ± 938	1024 ± 857	1012 ± 935
CD3 + IL-22R	23 ± 50	22 ± 50	22 ± 50	23 ± 50	22 ± 50
CD3 + IL-23R	6 ± 8	2 ± 4	2 ± 4	11 ± 17	6 ± 11
CD3 + Ki67	5 ± 7	3 ± 6	3 ± 6	3 ± 6	4 ± 6
CD3 + PI	1099 ± 1129	935 ± 1227	997 ± 1186	1045 ± 1145	1100 ± 1168
CD3 + Podoplanin	129 ± 199	90 ± 193	91 ± 193	120 ± 191	89 ± 194
CD3 + SNA1	274 ± 211	165 ± 196	181 ± 186	205 ± 185	187 ± 186
CD3 + STAT3	9 ± 14	3 ± 5	4 ± 5	4 ± 5	3 ± 5
CD3 + TIA1	107 ± 150	93 ± 158	99 ± 154	103 ± 152	108 ± 152
CD3 + Vimentin	686 ± 821	529 ± 863	575 ± 842	710 ± 827	641 ± 843

Tabelle 799: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD31 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD31 + Aktin	13 ± 17	13 ± 17	13 ± 17	16 ± 16	21 ± 21
CD31 + BCL2	2 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CD31 + CCR6	4 ± 5	2 ± 3	2 ± 3	4 ± 4	8 ± 15
CD31 + CD11a	9 ± 10	6 ± 9	6 ± 9	7 ± 9	11 ± 15
CD31 + CD11b	5 ± 11	5 ± 11	5 ± 11	8 ± 11	12 ± 18
CD31 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD120b	1 ± 1	1 ± 1	1 ± 1	1 ± 1	6 ± 14
CD31 + CD138	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 2	0 ± 0
CD31 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD2	15 ± 15	12 ± 16	12 ± 16	13 ± 15	30 ± 45
CD31 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD28	10 ± 11	7 ± 11	7 ± 11	11 ± 10	18 ± 28
CD31 + CD29	27 ± 31	26 ± 32	26 ± 32	30 ± 30	41 ± 41
CD31 + CD3	18 ± 20	15 ± 21	15 ± 21	19 ± 19	32 ± 44
CD31 + CD4	27 ± 29	25 ± 31	25 ± 31	29 ± 28	43 ± 47
CD31 + CD44	13 ± 14	10 ± 14	10 ± 14	11 ± 14	23 ± 33
CD31 + CD45	6 ± 6	3 ± 3	3 ± 3	4 ± 4	9 ± 15
CD31 + CD45RA	5 ± 9	3 ± 9	3 ± 9	4 ± 8	6 ± 10
CD31 + CD45RO	2 ± 4	1 ± 2	1 ± 2	2 ± 2	2 ± 4
CD31 + CD52	10 ± 11	8 ± 11	8 ± 11	10 ± 10	15 ± 17
CD31 + CD54	29 ± 32	27 ± 34	27 ± 34	28 ± 33	42 ± 42
CD31 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CD58	14 ± 24	14 ± 24	14 ± 24	18 ± 22	16 ± 23
CD31 + CD62E	11 ± 22	11 ± 22	11 ± 22	11 ± 22	14 ± 21
CD31 + CD62P	15 ± 26	15 ± 26	15 ± 26	15 ± 26	19 ± 25
CD31 + CD68	14 ± 22	14 ± 22	14 ± 22	16 ± 21	25 ± 33
CD31 + CD7	9 ± 13	6 ± 12	6 ± 12	8 ± 12	14 ± 23
CD31 + CD8a	2 ± 2	1 ± 2	1 ± 2	2 ± 2	8 ± 18
CD31 + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + CLA	2 ± 3	1 ± 3	1 ± 3	1 ± 3	9 ± 19
CD31 + c-myc	4 ± 9	4 ± 9	4 ± 9	4 ± 9	4 ± 9
CD31 + Collagen IV	14 ± 17	14 ± 18	14 ± 18	17 ± 16	29 ± 39
CD31 + FXIIIA	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD31 + HLA-DR	26 ± 27	23 ± 29	23 ± 29	25 ± 27	36 ± 36
CD31 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + IL-23R	2 ± 4	2 ± 4	2 ± 4	3 ± 5	7 ± 14
CD31 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD31 + PI	20 ± 20	17 ± 22	17 ± 22	20 ± 20	28 ± 28
CD31 + Podoplanin	4 ± 8	3 ± 8	3 ± 8	4 ± 8	3 ± 8
CD31 + SNA1	23 ± 25	20 ± 27	20 ± 27	23 ± 25	33 ± 35
CD31 + STAT3	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD31 + TIA1	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
CD31 + Vimentin	22 ± 24	20 ± 25	19 ± 25	20 ± 25	33 ± 37

Tabelle 800: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD4 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD4 + Aktin	22 ± 21	19 ± 20	17 ± 21	20 ± 19	35 ± 45
CD4 + BCL2	222 ± 203	158 ± 220	170 ± 212	215 ± 220	191 ± 210
CD4 + CCR6	420 ± 466	294 ± 448	324 ± 431	504 ± 507	423 ± 477
CD4 + CD11a	1184 ± 1229	981 ± 1338	1054 ± 1293	1263 ± 1245	1105 ± 1279
CD4 + CD11b	446 ± 614	428 ± 627	419 ± 634	462 ± 608	523 ± 615
CD4 + CD120a	10 ± 25	10 ± 25	11 ± 25	12 ± 25	10 ± 25
CD4 + CD120b	104 ± 192	87 ± 198	92 ± 196	113 ± 196	100 ± 195
CD4 + CD138	28 ± 51	9 ± 15	9 ± 15	9 ± 15	9 ± 15
CD4 + CD15	2 ± 2	2 ± 3	2 ± 2	7 ± 8	2 ± 2
CD4 + CD1a	25 ± 24	23 ± 23	20 ± 24	22 ± 23	20 ± 25
CD4 + CD2	1212 ± 1267	1016 ± 1374	1090 ± 1327	1308 ± 1262	1228 ± 1315
CD4 + CD207	77 ± 83	71 ± 86	69 ± 87	79 ± 80	88 ± 85
CD4 + CD24	11 ± 11	10 ± 12	11 ± 12	12 ± 11	12 ± 12
CD4 + CD28	942 ± 1065	764 ± 1146	800 ± 1123	1020 ± 1075	873 ± 1101
CD4 + CD29	186 ± 155	130 ± 144	133 ± 142	143 ± 132	200 ± 194
CD4 + CD3	1268 ± 1290	1056 ± 1408	1135 ± 1358	1391 ± 1276	1267 ± 1346
CD4 + CD31	27 ± 29	25 ± 31	25 ± 31	29 ± 28	43 ± 47
CD4 + CD44	1124 ± 996	912 ± 1110	991 ± 1058	1180 ± 980	1114 ± 1063
CD4 + CD45	1098 ± 1096	885 ± 1195	961 ± 1151	1154 ± 1121	1037 ± 1143
CD4 + CD45RA	239 ± 269	195 ± 288	202 ± 284	230 ± 274	231 ± 281
CD4 + CD45RO	684 ± 872	514 ± 917	553 ± 897	764 ± 906	571 ± 892
CD4 + CD52	921 ± 1177	778 ± 1247	829 ± 1219	976 ± 1169	926 ± 1207
CD4 + CD54	913 ± 998	756 ± 1055	759 ± 1052	950 ± 999	898 ± 1015
CD4 + CD56	22 ± 35	5 ± 9	6 ± 9	8 ± 9	5 ± 9
CD4 + CD58	179 ± 269	168 ± 275	160 ± 279	205 ± 270	163 ± 278
CD4 + CD62E	11 ± 20	11 ± 20	11 ± 20	11 ± 20	13 ± 20
CD4 + CD62P	14 ± 24	14 ± 24	14 ± 24	14 ± 24	18 ± 24
CD4 + CD68	309 ± 518	263 ± 533	286 ± 523	307 ± 515	278 ± 526
CD4 + CD7	709 ± 800	570 ± 855	627 ± 827	755 ± 810	649 ± 824
CD4 + CD8a	333 ± 411	306 ± 428	324 ± 420	363 ± 398	340 ± 417
CD4 + CK14	58 ± 79	39 ± 74	40 ± 74	42 ± 73	40 ± 74
CD4 + CLA	320 ± 259	279 ± 290	299 ± 276	315 ± 257	345 ± 279
CD4 + c-myc	22 ± 31	16 ± 30	16 ± 30	16 ± 30	16 ± 30
CD4 + Collagen IV	80 ± 88	68 ± 93	75 ± 90	75 ± 88	145 ± 201
CD4 + FXIIIA	61 ± 47	46 ± 52	47 ± 52	64 ± 49	50 ± 50
CD4 + HLA-DR	1031 ± 897	839 ± 1007	902 ± 963	1018 ± 884	1011 ± 959
CD4 + IL-22R	18 ± 35	16 ± 36	16 ± 36	17 ± 35	16 ± 36
CD4 + IL-23R	7 ± 9	4 ± 8	4 ± 8	12 ± 17	9 ± 14
CD4 + Ki67	3 ± 6	2 ± 5	2 ± 5	2 ± 5	3 ± 5
CD4 + PI	1088 ± 1132	924 ± 1226	976 ± 1191	1030 ± 1149	1088 ± 1171
CD4 + Podoplanin	128 ± 199	87 ± 191	89 ± 191	118 ± 189	87 ± 191
CD4 + SNA1	283 ± 217	175 ± 209	190 ± 199	215 ± 196	197 ± 199
CD4 + STAT3	11 ± 16	5 ± 6	5 ± 6	5 ± 6	5 ± 6
CD4 + TIA1	100 ± 146	86 ± 153	91 ± 151	96 ± 148	100 ± 148
CD4 + Vimentin	690 ± 829	534 ± 869	572 ± 851	712 ± 835	646 ± 850

Tabelle 801: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD44 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD44 + Aktin	14 ± 19	10 ± 15	8 ± 15	8 ± 15	21 ± 35
CD44 + BCL2	255 ± 194	192 ± 223	207 ± 211	240 ± 207	223 ± 207
CD44 + CCR6	404 ± 424	277 ± 396	308 ± 378	453 ± 418	405 ± 434
CD44 + CD11a	1101 ± 935	897 ± 1055	980 ± 1001	1130 ± 942	1020 ± 992
CD44 + CD11b	410 ± 482	392 ± 497	382 ± 505	420 ± 478	481 ± 487
CD44 + CD120a	37 ± 95	37 ± 95	38 ± 95	39 ± 94	37 ± 95
CD44 + CD120b	93 ± 156	74 ± 162	80 ± 160	98 ± 160	87 ± 160
CD44 + CD138	95 ± 184	72 ± 185	73 ± 185	74 ± 184	73 ± 184
CD44 + CD15	3 ± 4	3 ± 4	3 ± 4	8 ± 8	3 ± 4
CD44 + CD1a	51 ± 88	50 ± 89	47 ± 90	49 ± 89	46 ± 90
CD44 + CD2	1088 ± 951	895 ± 1063	977 ± 1007	1130 ± 943	1098 ± 1012
CD44 + CD207	160 ± 303	155 ± 305	153 ± 306	161 ± 302	170 ± 300
CD44 + CD24	14 ± 12	12 ± 13	13 ± 13	15 ± 11	14 ± 12
CD44 + CD28	829 ± 818	650 ± 894	688 ± 870	867 ± 823	756 ± 853
CD44 + CD29	209 ± 157	152 ± 152	154 ± 150	161 ± 142	215 ± 180
CD44 + CD3	1143 ± 985	930 ± 1106	1020 ± 1047	1204 ± 965	1133 ± 1053
CD44 + CD31	13 ± 14	10 ± 14	10 ± 14	11 ± 14	23 ± 33
CD44 + CD4	1124 ± 996	912 ± 1110	991 ± 1058	1180 ± 980	1114 ± 1063
CD44 + CD45	1020 ± 873	806 ± 974	892 ± 923	1027 ± 883	955 ± 923
CD44 + CD45RA	242 ± 218	196 ± 242	205 ± 236	226 ± 225	231 ± 233
CD44 + CD45RO	589 ± 676	420 ± 707	460 ± 687	623 ± 689	477 ± 683
CD44 + CD52	799 ± 934	656 ± 1001	715 ± 970	827 ± 930	803 ± 972
CD44 + CD54	820 ± 826	661 ± 874	666 ± 871	817 ± 817	796 ± 842
CD44 + CD56	27 ± 36	10 ± 17	10 ± 16	11 ± 16	10 ± 17
CD44 + CD58	203 ± 231	192 ± 240	184 ± 246	224 ± 232	186 ± 244
CD44 + CD62E	3 ± 7	3 ± 7	3 ± 7	4 ± 7	4 ± 7
CD44 + CD62P	5 ± 10	5 ± 10	5 ± 10	5 ± 10	6 ± 10
CD44 + CD68	283 ± 391	236 ± 407	261 ± 395	270 ± 390	246 ± 401
CD44 + CD7	659 ± 669	518 ± 721	586 ± 692	669 ± 667	594 ± 692
CD44 + CD8a	320 ± 327	293 ± 347	318 ± 336	345 ± 314	327 ± 335
CD44 + CK14	202 ± 442	181 ± 449	182 ± 448	184 ± 447	181 ± 448
CD44 + CLA	355 ± 246	313 ± 286	333 ± 267	344 ± 251	376 ± 263
CD44 + c-myc	107 ± 255	100 ± 257	100 ± 257	100 ± 257	100 ± 257
CD44 + Collagen IV	75 ± 66	63 ± 70	71 ± 67	64 ± 69	135 ± 183
CD44 + FXIIIA	59 ± 34	43 ± 38	44 ± 37	56 ± 33	46 ± 36
CD44 + HLA-DR	1123 ± 769	929 ± 916	1001 ± 855	1090 ± 765	1098 ± 842
CD44 + IL-22R	113 ± 289	112 ± 289	112 ± 289	113 ± 289	112 ± 289
CD44 + IL-23R	11 ± 15	7 ± 15	7 ± 15	14 ± 19	8 ± 14
CD44 + Ki67	7 ± 9	5 ± 9	6 ± 9	6 ± 9	6 ± 9
CD44 + PI	997 ± 840	837 ± 944	899 ± 899	931 ± 862	992 ± 889
CD44 + Podoplanin	113 ± 149	73 ± 134	75 ± 133	99 ± 133	72 ± 134
CD44 + SNA1	284 ± 194	173 ± 176	189 ± 164	205 ± 163	190 ± 166
CD44 + STAT3	23 ± 40	16 ± 40	16 ± 39	17 ± 39	16 ± 40
CD44 + TIA1	95 ± 117	81 ± 125	87 ± 121	90 ± 119	95 ± 120
CD44 + Vimentin	650 ± 640	496 ± 680	541 ± 657	637 ± 628	605 ± 663

Tabelle 802: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45 + Aktin	7 ± 12	4 ± 5	3 ± 3	3 ± 3	11 ± 22
CD45 + BCL2	212 ± 184	147 ± 197	162 ± 188	199 ± 199	176 ± 187
CD45 + CCR6	390 ± 435	265 ± 405	295 ± 388	444 ± 472	367 ± 417
CD45 + CD11a	1095 ± 1080	890 ± 1184	972 ± 1137	1143 ± 1111	1001 ± 1130
CD45 + CD11b	378 ± 517	358 ± 530	350 ± 536	373 ± 521	433 ± 519
CD45 + CD120a	18 ± 46	18 ± 46	19 ± 46	20 ± 46	18 ± 46
CD45 + CD120b	100 ± 182	83 ± 188	88 ± 186	108 ± 186	92 ± 186
CD45 + CD138	34 ± 59	12 ± 27	12 ± 27	12 ± 27	12 ± 27
CD45 + CD15	2 ± 2	2 ± 2	2 ± 2	5 ± 6	2 ± 2
CD45 + CD1a	33 ± 38	31 ± 38	28 ± 40	28 ± 39	27 ± 40
CD45 + CD2	1087 ± 1095	889 ± 1194	969 ± 1146	1140 ± 1117	1043 ± 1138
CD45 + CD207	88 ± 104	82 ± 107	80 ± 108	86 ± 104	98 ± 104
CD45 + CD24	12 ± 12	10 ± 13	11 ± 12	12 ± 11	11 ± 12
CD45 + CD28	885 ± 962	705 ± 1038	742 ± 1015	934 ± 986	793 ± 998
CD45 + CD29	150 ± 140	93 ± 107	96 ± 105	102 ± 100	143 ± 140
CD45 + CD3	1122 ± 1105	910 ± 1210	995 ± 1161	1181 ± 1128	1063 ± 1154
CD45 + CD31	6 ± 6	3 ± 3	3 ± 3	4 ± 4	9 ± 15
CD45 + CD4	1098 ± 1096	885 ± 1195	961 ± 1151	1154 ± 1121	1037 ± 1143
CD45 + CD44	1020 ± 873	806 ± 974	892 ± 923	1027 ± 883	955 ± 923
CD45 + CD45RA	229 ± 240	184 ± 260	194 ± 255	218 ± 247	214 ± 252
CD45 + CD45RO	660 ± 821	487 ± 862	527 ± 842	711 ± 859	539 ± 838
CD45 + CD52	847 ± 1050	704 ± 1117	763 ± 1087	877 ± 1056	823 ± 1080
CD45 + CD54	804 ± 882	645 ± 924	649 ± 922	825 ± 893	747 ± 890
CD45 + CD56	20 ± 34	4 ± 7	4 ± 7	6 ± 6	4 ± 7
CD45 + CD58	168 ± 237	157 ± 243	150 ± 247	190 ± 241	151 ± 246
CD45 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45 + CD68	254 ± 407	207 ± 419	231 ± 410	239 ± 408	213 ± 416
CD45 + CD7	685 ± 752	545 ± 804	612 ± 775	715 ± 766	613 ± 775
CD45 + CD8a	343 ± 406	315 ± 426	342 ± 414	368 ± 396	346 ± 413
CD45 + CK14	73 ± 115	53 ± 113	54 ± 113	53 ± 113	53 ± 113
CD45 + CLA	296 ± 223	255 ± 253	276 ± 238	277 ± 231	311 ± 241
CD45 + c-myc	24 ± 43	18 ± 43	19 ± 42	18 ± 43	18 ± 43
CD45 + Collagen IV	51 ± 57	40 ± 57	46 ± 56	43 ± 55	91 ± 137
CD45 + FXIIIA	48 ± 35	32 ± 37	33 ± 37	45 ± 39	35 ± 36
CD45 + HLA-DR	904 ± 738	710 ± 834	777 ± 792	844 ± 747	838 ± 790
CD45 + IL-22R	28 ± 65	27 ± 65	27 ± 65	28 ± 65	27 ± 65
CD45 + IL-23R	8 ± 9	4 ± 7	4 ± 7	10 ± 15	4 ± 7
CD45 + Ki67	3 ± 5	1 ± 4	2 ± 4	2 ± 4	2 ± 4
CD45 + PI	941 ± 958	776 ± 1043	837 ± 1006	851 ± 988	895 ± 996
CD45 + Podoplanin	106 ± 159	66 ± 143	68 ± 143	95 ± 145	65 ± 144
CD45 + SNA1	250 ± 211	141 ± 175	156 ± 167	173 ± 169	150 ± 170
CD45 + STAT3	10 ± 16	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD45 + TIA1	101 ± 136	87 ± 144	93 ± 140	96 ± 138	100 ± 139
CD45 + Vimentin	590 ± 674	434 ± 697	478 ± 679	582 ± 687	511 ± 679

Tabelle 803: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RA für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45RA + Aktin	5 ± 6	5 ± 6	4 ± 6	4 ± 6	6 ± 6
CD45RA + BCL2	46 ± 48	32 ± 47	35 ± 45	43 ± 48	40 ± 46
CD45RA + CCR6	99 ± 113	72 ± 112	77 ± 110	101 ± 110	100 ± 115
CD45RA + CD11a	244 ± 270	200 ± 290	209 ± 285	234 ± 276	226 ± 281
CD45RA + CD11b	137 ± 176	127 ± 183	124 ± 186	131 ± 180	146 ± 178
CD45RA + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD120b	22 ± 36	16 ± 37	17 ± 37	24 ± 39	22 ± 37
CD45RA + CD138	4 ± 7	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + CD15	1 ± 1	0 ± 1	0 ± 1	1 ± 2	1 ± 1
CD45RA + CD1a	2 ± 5	4 ± 9	0 ± 1	0 ± 1	0 ± 1
CD45RA + CD2	232 ± 263	189 ± 283	200 ± 277	223 ± 271	229 ± 275
CD45RA + CD207	3 ± 6	4 ± 7	2 ± 4	2 ± 4	10 ± 23
CD45RA + CD24	7 ± 4	5 ± 6	5 ± 6	6 ± 5	6 ± 5
CD45RA + CD28	185 ± 220	142 ± 235	146 ± 233	173 ± 226	163 ± 229
CD45RA + CD29	40 ± 33	27 ± 32	27 ± 32	30 ± 29	41 ± 41
CD45RA + CD3	246 ± 270	203 ± 291	212 ± 285	239 ± 275	241 ± 282
CD45RA + CD31	5 ± 9	3 ± 9	3 ± 9	4 ± 8	6 ± 10
CD45RA + CD4	239 ± 269	195 ± 288	202 ± 284	230 ± 274	231 ± 281
CD45RA + CD44	242 ± 218	196 ± 242	205 ± 236	226 ± 225	231 ± 233
CD45RA + CD45	229 ± 240	184 ± 260	194 ± 255	218 ± 247	214 ± 252
CD45RA + CD45RO	109 ± 145	78 ± 150	81 ± 148	107 ± 149	85 ± 147
CD45RA + CD52	204 ± 266	169 ± 281	176 ± 278	192 ± 272	198 ± 275
CD45RA + CD54	192 ± 213	154 ± 224	149 ± 227	181 ± 215	183 ± 220
CD45RA + CD56	10 ± 16	7 ± 15	7 ± 15	8 ± 15	7 ± 15
CD45RA + CD58	39 ± 58	38 ± 59	33 ± 60	42 ± 59	34 ± 60
CD45RA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RA + CD68	66 ± 115	54 ± 117	60 ± 115	61 ± 115	56 ± 116
CD45RA + CD7	179 ± 207	140 ± 221	151 ± 215	170 ± 210	160 ± 214
CD45RA + CD8a	110 ± 119	98 ± 127	101 ± 126	111 ± 120	110 ± 124
CD45RA + CK14	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + CLA	77 ± 66	65 ± 73	68 ± 72	71 ± 69	91 ± 84
CD45RA + c-myc	4 ± 6	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD45RA + Collagen IV	15 ± 24	14 ± 24	13 ± 24	13 ± 24	27 ± 40
CD45RA + FXIIIA	21 ± 16	15 ± 19	15 ± 19	16 ± 18	16 ± 18
CD45RA + HLA-DR	223 ± 190	179 ± 213	185 ± 209	200 ± 198	210 ± 204
CD45RA + IL-22R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD45RA + IL-23R	0 ± 1	0 ± 1	0 ± 1	2 ± 3	0 ± 1
CD45RA + Ki67	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
CD45RA + PI	223 ± 229	185 ± 249	191 ± 245	194 ± 242	213 ± 240
CD45RA + Podoplanin	28 ± 34	14 ± 21	14 ± 21	22 ± 24	14 ± 21
CD45RA + SNA1	67 ± 46	37 ± 36	37 ± 36	37 ± 36	39 ± 35
CD45RA + STAT3	5 ± 8	4 ± 8	4 ± 8	4 ± 8	4 ± 8
CD45RA + TIA1	50 ± 68	42 ± 72	46 ± 70	45 ± 71	53 ± 70
CD45RA + Vimentin	138 ± 184	110 ± 190	114 ± 188	126 ± 187	121 ± 187

Tabelle 804: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD45RO für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD45RO + Aktin	6 ± 13	1 ± 3	1 ± 3	2 ± 3	4 ± 7
CD45RO + BCL2	136 ± 140	82 ± 135	86 ± 132	131 ± 156	96 ± 130
CD45RO + CCR6	270 ± 365	171 ± 329	182 ± 323	329 ± 416	207 ± 321
CD45RO + CD11a	669 ± 857	502 ± 901	541 ± 882	729 ± 896	545 ± 880
CD45RO + CD11b	243 ± 430	219 ± 442	219 ± 442	242 ± 431	252 ± 431
CD45RO + CD120a	3 ± 6	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CD45RO + CD120b	85 ± 174	70 ± 178	75 ± 177	94 ± 177	72 ± 178
CD45RO + CD138	21 ± 46	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD45RO + CD15	0 ± 1	0 ± 0	0 ± 1	4 ± 6	0 ± 1
CD45RO + CD1a	15 ± 20	10 ± 19	10 ± 19	12 ± 18	10 ± 19
CD45RO + CD2	686 ± 874	520 ± 919	558 ± 900	760 ± 904	578 ± 894
CD45RO + CD207	44 ± 62	36 ± 64	36 ± 64	43 ± 60	41 ± 62
CD45RO + CD24	3 ± 3	3 ± 4	3 ± 4	4 ± 4	3 ± 4
CD45RO + CD28	588 ± 763	442 ± 802	469 ± 788	641 ± 792	477 ± 785
CD45RO + CD29	91 ± 125	47 ± 93	49 ± 92	55 ± 89	62 ± 93
CD45RO + CD3	682 ± 870	514 ± 916	553 ± 896	765 ± 904	571 ± 891
CD45RO + CD31	2 ± 4	1 ± 2	1 ± 2	2 ± 2	2 ± 4
CD45RO + CD4	684 ± 872	514 ± 917	553 ± 897	764 ± 906	571 ± 892
CD45RO + CD44	589 ± 676	420 ± 707	460 ± 687	623 ± 689	477 ± 683
CD45RO + CD45	660 ± 821	487 ± 862	527 ± 842	711 ± 859	539 ± 838
CD45RO + CD45RA	109 ± 145	78 ± 150	81 ± 148	107 ± 149	85 ± 147
CD45RO + CD52	548 ± 773	431 ± 812	460 ± 797	588 ± 777	477 ± 792
CD45RO + CD54	506 ± 674	378 ± 689	383 ± 686	538 ± 696	413 ± 673
CD45RO + CD56	16 ± 25	5 ± 8	5 ± 8	6 ± 8	5 ± 8
CD45RO + CD58	117 ± 212	102 ± 219	103 ± 219	136 ± 218	103 ± 219
CD45RO + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD45RO + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD45RO + CD68	182 ± 343	146 ± 349	155 ± 346	176 ± 342	148 ± 348
CD45RO + CD7	441 ± 580	324 ± 604	355 ± 590	479 ± 604	353 ± 591
CD45RO + CD8a	192 ± 304	163 ± 317	171 ± 313	215 ± 300	174 ± 312
CD45RO + CK14	30 ± 46	14 ± 28	15 ± 27	15 ± 27	14 ± 28
CD45RO + CLA	165 ± 209	128 ± 220	141 ± 213	155 ± 205	144 ± 213
CD45RO + c-myc	8 ± 15	2 ± 4	3 ± 4	2 ± 4	2 ± 4
CD45RO + Collagen IV	29 ± 44	21 ± 44	25 ± 43	25 ± 43	34 ± 50
CD45RO + FXIIIA	29 ± 21	18 ± 23	19 ± 22	32 ± 30	20 ± 21
CD45RO + HLA-DR	526 ± 605	372 ± 636	405 ± 619	503 ± 593	420 ± 615
CD45RO + IL-22R	4 ± 5	3 ± 5	3 ± 5	4 ± 5	3 ± 5
CD45RO + IL-23R	4 ± 7	1 ± 3	1 ± 3	8 ± 17	1 ± 3
CD45RO + Ki67	2 ± 4	1 ± 4	2 ± 4	2 ± 4	2 ± 4
CD45RO + PI	575 ± 730	441 ± 770	469 ± 755	520 ± 728	486 ± 749
CD45RO + Podoplanin	80 ± 130	49 ± 119	49 ± 119	72 ± 120	49 ± 119
CD45RO + SNA1	174 ± 181	86 ± 141	97 ± 135	121 ± 143	89 ± 139
CD45RO + STAT3	9 ± 16	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CD45RO + TIA1	62 ± 95	51 ± 100	51 ± 99	58 ± 96	54 ± 98
CD45RO + Vimentin	413 ± 576	280 ± 582	299 ± 573	426 ± 592	319 ± 569

Tabelle 805: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD52 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD52 + Aktin	6 ± 8	5 ± 8	4 ± 8	5 ± 8	16 ± 30
CD52 + BCL2	172 ± 190	124 ± 201	138 ± 195	162 ± 197	149 ± 194
CD52 + CCR6	336 ± 407	249 ± 408	270 ± 397	381 ± 414	350 ± 423
CD52 + CD11a	896 ± 1145	756 ± 1214	814 ± 1184	930 ± 1149	854 ± 1175
CD52 + CD11b	320 ± 552	304 ± 560	299 ± 563	322 ± 551	367 ± 551
CD52 + CD120a	1 ± 1	0 ± 1	1 ± 1	2 ± 3	0 ± 1
CD52 + CD120b	82 ± 182	76 ± 185	80 ± 183	98 ± 182	83 ± 182
CD52 + CD138	7 ± 15	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD52 + CD15	0 ± 1	0 ± 0	0 ± 0	3 ± 6	1 ± 1
CD52 + CD1a	12 ± 20	14 ± 20	12 ± 20	12 ± 20	12 ± 21
CD52 + CD2	915 ± 1174	774 ± 1244	833 ± 1212	955 ± 1170	924 ± 1203
CD52 + CD207	43 ± 71	41 ± 71	40 ± 72	45 ± 70	56 ± 75
CD52 + CD24	9 ± 13	8 ± 13	9 ± 13	9 ± 12	9 ± 13
CD52 + CD28	760 ± 1005	632 ± 1064	662 ± 1047	797 ± 1007	713 ± 1032
CD52 + CD29	86 ± 80	63 ± 81	65 ± 80	72 ± 75	107 ± 122
CD52 + CD3	928 ± 1183	784 ± 1255	844 ± 1223	984 ± 1175	935 ± 1214
CD52 + CD31	10 ± 11	8 ± 11	8 ± 11	10 ± 10	15 ± 17
CD52 + CD4	921 ± 1177	778 ± 1247	829 ± 1219	976 ± 1169	926 ± 1207
CD52 + CD44	799 ± 934	656 ± 1001	715 ± 970	827 ± 930	803 ± 972
CD52 + CD45	847 ± 1050	704 ± 1117	763 ± 1087	877 ± 1056	823 ± 1080
CD52 + CD45RA	204 ± 266	169 ± 281	176 ± 278	192 ± 272	198 ± 275
CD52 + CD45RO	548 ± 773	431 ± 812	460 ± 797	588 ± 777	477 ± 792
CD52 + CD54	671 ± 848	571 ± 890	570 ± 890	687 ± 849	669 ± 860
CD52 + CD56	10 ± 16	4 ± 7	4 ± 7	4 ± 7	4 ± 7
CD52 + CD58	133 ± 231	130 ± 233	123 ± 237	161 ± 233	125 ± 236
CD52 + CD62E	1 ± 3	1 ± 3	1 ± 3	2 ± 3	3 ± 5
CD52 + CD62P	3 ± 6	3 ± 7	3 ± 7	3 ± 6	5 ± 7
CD52 + CD68	206 ± 421	187 ± 428	199 ± 423	213 ± 419	192 ± 426
CD52 + CD7	575 ± 744	477 ± 787	525 ± 765	599 ± 746	533 ± 764
CD52 + CD8a	301 ± 415	272 ± 432	299 ± 421	318 ± 408	302 ± 421
CD52 + CK14	8 ± 13	3 ± 9	3 ± 9	4 ± 9	4 ± 9
CD52 + CLA	217 ± 247	190 ± 262	205 ± 253	213 ± 246	238 ± 258
CD52 + c-myc	5 ± 8	2 ± 6	2 ± 6	3 ± 6	2 ± 6
CD52 + Collagen IV	45 ± 62	36 ± 63	39 ± 62	39 ± 62	89 ± 143
CD52 + FXIIIA	37 ± 39	28 ± 43	28 ± 43	40 ± 41	31 ± 42
CD52 + HLA-DR	697 ± 813	571 ± 873	615 ± 849	679 ± 814	695 ± 847
CD52 + IL-22R	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD52 + IL-23R	1 ± 2	1 ± 2	1 ± 2	5 ± 11	2 ± 5
CD52 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD52 + PI	816 ± 1035	696 ± 1095	740 ± 1071	746 ± 1063	812 ± 1058
CD52 + Podoplanin	99 ± 176	67 ± 170	68 ± 169	86 ± 167	66 ± 170
CD52 + SNA1	188 ± 163	120 ± 169	131 ± 164	142 ± 161	131 ± 164
CD52 + STAT3	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD52 + TIA1	98 ± 147	85 ± 154	89 ± 151	92 ± 150	96 ± 149
CD52 + Vimentin	465 ± 702	361 ± 726	390 ± 715	458 ± 704	435 ± 714

Tabelle 806: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD54 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD54 + Aktin	22 ± 21	19 ± 20	17 ± 21	17 ± 20	33 ± 42
CD54 + BCL2	158 ± 172	111 ± 170	112 ± 169	151 ± 171	138 ± 164
CD54 + CCR6	321 ± 362	213 ± 325	219 ± 320	346 ± 378	300 ± 339
CD54 + CD11a	835 ± 942	688 ± 992	690 ± 991	872 ± 952	776 ± 956
CD54 + CD11b	354 ± 529	340 ± 539	331 ± 544	348 ± 534	421 ± 533
CD54 + CD120a	1 ± 1	1 ± 1	1 ± 2	2 ± 4	1 ± 1
CD54 + CD120b	88 ± 167	75 ± 171	77 ± 170	94 ± 169	82 ± 169
CD54 + CD138	22 ± 48	3 ± 7	3 ± 7	3 ± 7	4 ± 7
CD54 + CD15	2 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 2
CD54 + CD1a	17 ± 22	16 ± 21	12 ± 22	13 ± 21	12 ± 22
CD54 + CD2	860 ± 970	714 ± 1025	717 ± 1023	893 ± 978	858 ± 988
CD54 + CD207	51 ± 69	45 ± 70	43 ± 71	48 ± 69	62 ± 75
CD54 + CD24	9 ± 9	8 ± 9	8 ± 9	10 ± 8	10 ± 9
CD54 + CD28	706 ± 832	572 ± 875	573 ± 875	740 ± 843	646 ± 844
CD54 + CD29	181 ± 153	128 ± 142	129 ± 141	133 ± 137	196 ± 188
CD54 + CD3	900 ± 988	746 ± 1044	750 ± 1041	942 ± 990	887 ± 1005
CD54 + CD31	29 ± 32	27 ± 34	27 ± 34	28 ± 33	42 ± 42
CD54 + CD4	913 ± 998	756 ± 1055	759 ± 1052	950 ± 999	898 ± 1015
CD54 + CD44	820 ± 826	661 ± 874	666 ± 871	817 ± 817	796 ± 842
CD54 + CD45	804 ± 882	645 ± 924	649 ± 922	825 ± 893	747 ± 890
CD54 + CD45RA	192 ± 213	154 ± 224	149 ± 227	181 ± 215	183 ± 220
CD54 + CD45RO	506 ± 674	378 ± 689	383 ± 686	538 ± 696	413 ± 673
CD54 + CD52	671 ± 848	571 ± 890	570 ± 890	687 ± 849	669 ± 860
CD54 + CD56	18 ± 33	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CD54 + CD58	151 ± 242	143 ± 246	135 ± 250	164 ± 242	138 ± 248
CD54 + CD62E	11 ± 22	11 ± 22	11 ± 22	11 ± 22	14 ± 21
CD54 + CD62P	15 ± 26	15 ± 26	15 ± 26	15 ± 26	19 ± 25
CD54 + CD68	240 ± 427	197 ± 436	202 ± 434	227 ± 427	207 ± 432
CD54 + CD7	561 ± 673	451 ± 700	453 ± 699	571 ± 677	504 ± 679
CD54 + CD8a	274 ± 330	254 ± 344	245 ± 350	286 ± 326	281 ± 335
CD54 + CK14	27 ± 48	11 ± 29	11 ± 29	11 ± 29	11 ± 29
CD54 + CLA	204 ± 198	173 ± 210	172 ± 211	184 ± 200	223 ± 215
CD54 + c-myc	17 ± 21	11 ± 20	12 ± 20	11 ± 20	11 ± 20
CD54 + Collagen IV	67 ± 62	59 ± 66	59 ± 66	61 ± 64	117 ± 149
CD54 + FXIIIA	45 ± 41	30 ± 43	31 ± 42	42 ± 43	35 ± 41
CD54 + HLA-DR	766 ± 754	621 ± 802	625 ± 799	726 ± 743	737 ± 769
CD54 + IL-22R	3 ± 5	2 ± 5	2 ± 5	3 ± 5	2 ± 5
CD54 + IL-23R	7 ± 10	3 ± 9	3 ± 9	9 ± 16	8 ± 15
CD54 + Ki67	2 ± 4	2 ± 4	2 ± 4	2 ± 4	3 ± 5
CD54 + PI	767 ± 830	648 ± 880	648 ± 880	691 ± 849	759 ± 844
CD54 + Podoplanin	97 ± 155	62 ± 142	62 ± 142	84 ± 144	61 ± 142
CD54 + SNA1	238 ± 194	152 ± 170	152 ± 169	176 ± 161	168 ± 162
CD54 + STAT3	10 ± 15	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD54 + TIA1	85 ± 115	73 ± 121	73 ± 121	81 ± 117	84 ± 117
CD54 + Vimentin	490 ± 640	373 ± 645	373 ± 645	493 ± 644	444 ± 632

Tabelle 807: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD56 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD56 + Aktin	7 ± 15	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD56 + BCL2	3 ± 4	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CD56 + CCR6	18 ± 29	6 ± 11	6 ± 11	7 ± 11	6 ± 11
CD56 + CD11a	20 ± 29	6 ± 8	6 ± 8	7 ± 8	6 ± 8
CD56 + CD11b	9 ± 11	5 ± 10	5 ± 10	7 ± 10	5 ± 10
CD56 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD120b	3 ± 4	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD138	4 ± 8	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + CD15	0 ± 1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD2	17 ± 27	4 ± 8	4 ± 8	7 ± 7	4 ± 8
CD56 + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD24	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD56 + CD28	11 ± 16	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CD56 + CD29	14 ± 24	4 ± 7	5 ± 7	5 ± 7	4 ± 7
CD56 + CD3	18 ± 27	5 ± 8	5 ± 8	7 ± 8	5 ± 8
CD56 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD4	22 ± 35	5 ± 9	6 ± 9	8 ± 9	5 ± 9
CD56 + CD44	27 ± 36	10 ± 17	10 ± 16	11 ± 16	10 ± 17
CD56 + CD45	20 ± 34	4 ± 7	4 ± 7	6 ± 6	4 ± 7
CD56 + CD45RA	10 ± 16	7 ± 15	7 ± 15	8 ± 15	7 ± 15
CD56 + CD45RO	16 ± 25	5 ± 8	5 ± 8	6 ± 8	5 ± 8
CD56 + CD52	10 ± 16	4 ± 7	4 ± 7	4 ± 7	4 ± 7
CD56 + CD54	18 ± 33	3 ± 6	3 ± 6	4 ± 6	3 ± 6
CD56 + CD58	6 ± 7	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD56 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + CD68	13 ± 23	3 ± 5	3 ± 5	4 ± 4	3 ± 5
CD56 + CD7	13 ± 16	4 ± 7	4 ± 7	6 ± 7	4 ± 7
CD56 + CD8a	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD56 + CK14	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD56 + CLA	7 ± 9	3 ± 7	3 ± 7	4 ± 7	3 ± 7
CD56 + c-myc	5 ± 11	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD56 + Collagen IV	6 ± 8	2 ± 6	3 ± 6	3 ± 6	2 ± 6
CD56 + FXIIIA	9 ± 16	2 ± 5	3 ± 5	3 ± 5	2 ± 5
CD56 + HLA-DR	25 ± 30	11 ± 17	11 ± 17	13 ± 16	11 ± 17
CD56 + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + IL-23R	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD56 + PI	14 ± 24	4 ± 7	4 ± 7	5 ± 7	4 ± 7
CD56 + Podoplanin	10 ± 16	6 ± 13	6 ± 13	6 ± 13	6 ± 13
CD56 + SNA1	14 ± 20	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD56 + STAT3	7 ± 11	3 ± 8	3 ± 8	3 ± 8	3 ± 8
CD56 + TIA1	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CD56 + Vimentin	18 ± 28	4 ± 8	4 ± 8	6 ± 7	4 ± 8

Tabelle 808: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD58 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD58 + Aktin	8 ± 11	9 ± 11	8 ± 11	10 ± 11	8 ± 11
CD58 + BCL2	65 ± 92	60 ± 95	60 ± 95	73 ± 92	60 ± 95
CD58 + CCR6	66 ± 113	58 ± 117	58 ± 117	88 ± 124	60 ± 116
CD58 + CD11a	176 ± 254	165 ± 261	158 ± 265	196 ± 257	159 ± 264
CD58 + CD11b	69 ± 134	72 ± 134	64 ± 137	71 ± 133	67 ± 135
CD58 + CD120a	17 ± 45	17 ± 45	18 ± 44	17 ± 45	17 ± 45
CD58 + CD120b	35 ± 69	29 ± 70	29 ± 71	42 ± 73	29 ± 70
CD58 + CD138	42 ± 96	38 ± 97	38 ± 97	38 ± 97	38 ± 97
CD58 + CD15	1 ± 3	1 ± 3	1 ± 3	3 ± 6	1 ± 3
CD58 + CD1a	29 ± 53	30 ± 53	26 ± 54	27 ± 54	26 ± 54
CD58 + CD2	175 ± 253	165 ± 260	159 ± 264	196 ± 255	162 ± 262
CD58 + CD207	60 ± 128	60 ± 127	58 ± 128	59 ± 128	58 ± 128
CD58 + CD24	2 ± 2	2 ± 2	2 ± 2	3 ± 3	2 ± 2
CD58 + CD28	153 ± 231	138 ± 238	133 ± 241	176 ± 236	135 ± 240
CD58 + CD29	65 ± 65	59 ± 70	57 ± 71	63 ± 66	60 ± 69
CD58 + CD3	177 ± 269	166 ± 275	158 ± 280	203 ± 270	161 ± 278
CD58 + CD31	14 ± 24	14 ± 24	14 ± 24	18 ± 22	16 ± 23
CD58 + CD4	179 ± 269	168 ± 275	160 ± 279	205 ± 270	163 ± 278
CD58 + CD44	203 ± 231	192 ± 240	184 ± 246	224 ± 232	186 ± 244
CD58 + CD45	168 ± 237	157 ± 243	150 ± 247	190 ± 241	151 ± 246
CD58 + CD45RA	39 ± 58	38 ± 59	33 ± 60	42 ± 59	34 ± 60
CD58 + CD45RO	117 ± 212	102 ± 219	103 ± 219	136 ± 218	103 ± 219
CD58 + CD52	133 ± 231	130 ± 233	123 ± 237	161 ± 233	125 ± 236
CD58 + CD54	151 ± 242	143 ± 246	135 ± 250	164 ± 242	138 ± 248
CD58 + CD56	6 ± 7	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD58 + CD62E	7 ± 19	7 ± 19	7 ± 19	7 ± 19	8 ± 19
CD58 + CD62P	9 ± 22	9 ± 22	9 ± 22	9 ± 22	9 ± 22
CD58 + CD68	79 ± 129	76 ± 131	77 ± 130	83 ± 126	77 ± 130
CD58 + CD7	125 ± 198	117 ± 203	111 ± 206	146 ± 202	113 ± 205
CD58 + CD8a	68 ± 118	73 ± 117	64 ± 120	78 ± 116	66 ± 118
CD58 + CK14	72 ± 158	67 ± 160	69 ± 159	68 ± 160	67 ± 160
CD58 + CLA	66 ± 83	64 ± 85	60 ± 87	62 ± 85	62 ± 86
CD58 + c-myc	54 ± 132	54 ± 132	54 ± 132	54 ± 132	54 ± 132
CD58 + Collagen IV	18 ± 34	19 ± 34	18 ± 34	21 ± 33	19 ± 34
CD58 + FXIIIA	6 ± 9	5 ± 9	5 ± 9	6 ± 8	5 ± 9
CD58 + HLA-DR	196 ± 217	185 ± 226	178 ± 231	203 ± 216	179 ± 229
CD58 + IL-22R	51 ± 129	51 ± 130	51 ± 130	51 ± 129	51 ± 130
CD58 + IL-23R	9 ± 16	8 ± 16	8 ± 16	12 ± 16	8 ± 16
CD58 + Ki67	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CD58 + PI	146 ± 212	142 ± 215	134 ± 220	138 ± 217	134 ± 219
CD58 + Podoplanin	28 ± 58	26 ± 58	25 ± 59	34 ± 59	25 ± 59
CD58 + SNA1	56 ± 57	44 ± 62	41 ± 63	48 ± 60	41 ± 63
CD58 + STAT3	16 ± 29	14 ± 30	14 ± 30	14 ± 30	14 ± 30
CD58 + TIA1	24 ± 45	22 ± 46	22 ± 46	23 ± 45	23 ± 46
CD58 + Vimentin	126 ± 203	121 ± 206	114 ± 209	131 ± 204	116 ± 208

Tabelle 809: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62E für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD62E + Aktin	6 ± 11	6 ± 11	6 ± 11	6 ± 11	9 ± 11
CD62E + BCL2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CCR6	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD62E + CD11a	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD11b	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 1
CD62E + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD15	0 ± 0	0 ± 0	0 ± 0	1 ± 1	0 ± 0
CD62E + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD2	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
CD62E + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD28	1 ± 1	1 ± 1	1 ± 1	1 ± 1	3 ± 5
CD62E + CD29	11 ± 22	11 ± 22	11 ± 22	11 ± 22	14 ± 21
CD62E + CD3	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
CD62E + CD31	11 ± 22	11 ± 22	11 ± 22	11 ± 22	14 ± 21
CD62E + CD4	11 ± 20	11 ± 20	11 ± 20	11 ± 20	13 ± 20
CD62E + CD44	3 ± 7	3 ± 7	3 ± 7	4 ± 7	4 ± 7
CD62E + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD45RO	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62E + CD52	1 ± 3	1 ± 3	1 ± 3	2 ± 3	3 ± 5
CD62E + CD54	11 ± 22	11 ± 22	11 ± 22	11 ± 22	14 ± 21
CD62E + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CD58	7 ± 19	7 ± 19	7 ± 19	7 ± 19	8 ± 19
CD62E + CD62P	11 ± 22	11 ± 22	11 ± 22	12 ± 22	14 ± 21
CD62E + CD68	6 ± 17	6 ± 17	6 ± 17	6 ± 17	9 ± 17
CD62E + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD62E + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + c-myc	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + Collagen IV	3 ± 7	3 ± 7	3 ± 7	3 ± 7	5 ± 8
CD62E + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + HLA-DR	11 ± 21	11 ± 21	11 ± 21	12 ± 21	13 ± 21
CD62E + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 6
CD62E + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + PI	7 ± 12	7 ± 12	7 ± 12	8 ± 12	8 ± 12
CD62E + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + SNA1	10 ± 20	10 ± 20	10 ± 20	10 ± 20	11 ± 20
CD62E + STAT3	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62E + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62E + Vimentin	9 ± 17	9 ± 17	9 ± 17	10 ± 17	10 ± 17

Tabelle 810: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD62P für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD62P + Aktin	8 ± 13	8 ± 13	8 ± 13	8 ± 13	13 ± 15
CD62P + BCL2	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CD62P + CCR6	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
CD62P + CD11a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD11b	0 ± 1	0 ± 1	0 ± 1	1 ± 1	2 ± 3
CD62P + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD120b	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD138	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
CD62P + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD2	5 ± 10	5 ± 10	5 ± 10	5 ± 10	9 ± 13
CD62P + CD207	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD28	1 ± 2	1 ± 2	1 ± 2	1 ± 2	3 ± 5
CD62P + CD29	15 ± 25	15 ± 26	15 ± 26	15 ± 26	19 ± 25
CD62P + CD3	5 ± 12	5 ± 12	5 ± 12	5 ± 12	8 ± 13
CD62P + CD31	15 ± 26	15 ± 26	15 ± 26	15 ± 26	19 ± 25
CD62P + CD4	14 ± 24	14 ± 24	14 ± 24	14 ± 24	18 ± 24
CD62P + CD44	5 ± 10	5 ± 10	5 ± 10	5 ± 10	6 ± 10
CD62P + CD45	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD45RO	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD52	3 ± 6	3 ± 7	3 ± 7	3 ± 6	5 ± 7
CD62P + CD54	15 ± 26	15 ± 26	15 ± 26	15 ± 26	19 ± 25
CD62P + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CD58	9 ± 22	9 ± 22	9 ± 22	9 ± 22	9 ± 22
CD62P + CD62E	11 ± 22	11 ± 22	11 ± 22	12 ± 22	14 ± 21
CD62P + CD68	8 ± 18	8 ± 18	8 ± 18	8 ± 18	12 ± 20
CD62P + CD7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD62P + CD8a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD62P + CK14	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + CLA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + c-myc	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + Collagen IV	5 ± 8	5 ± 8	5 ± 8	5 ± 8	9 ± 11
CD62P + FXIIIA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + HLA-DR	15 ± 25	15 ± 25	15 ± 25	15 ± 25	17 ± 25
CD62P + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + IL-23R	1 ± 2	1 ± 2	1 ± 2	1 ± 2	5 ± 10
CD62P + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + PI	10 ± 16	10 ± 16	10 ± 16	10 ± 16	13 ± 16
CD62P + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + SNA1	14 ± 23	14 ± 23	14 ± 23	14 ± 23	17 ± 22
CD62P + STAT3	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD62P + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD62P + Vimentin	11 ± 20	11 ± 20	11 ± 20	12 ± 20	13 ± 19

Tabelle 811: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD68 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD68 + Aktin	13 ± 16	8 ± 14	8 ± 14	11 ± 14	14 ± 18
CD68 + BCL2	61 ± 61	43 ± 60	44 ± 59	51 ± 56	43 ± 60
CD68 + CCR6	119 ± 206	86 ± 205	93 ± 202	112 ± 200	91 ± 203
CD68 + CD11a	279 ± 483	238 ± 496	260 ± 487	272 ± 484	243 ± 494
CD68 + CD11b	208 ± 413	196 ± 419	196 ± 419	205 ± 414	201 ± 416
CD68 + CD120a	22 ± 58	22 ± 58	23 ± 58	23 ± 58	22 ± 58
CD68 + CD120b	34 ± 69	28 ± 71	30 ± 70	32 ± 70	33 ± 70
CD68 + CD138	19 ± 31	14 ± 31	14 ± 31	15 ± 30	14 ± 31
CD68 + CD15	2 ± 3	2 ± 3	2 ± 3	3 ± 4	2 ± 3
CD68 + CD1a	22 ± 46	21 ± 47	21 ± 47	21 ± 47	21 ± 47
CD68 + CD2	302 ± 492	262 ± 507	283 ± 498	300 ± 491	278 ± 499
CD68 + CD207	56 ± 101	53 ± 102	54 ± 102	53 ± 102	53 ± 102
CD68 + CD24	2 ± 2	2 ± 2	2 ± 2	2 ± 2	2 ± 2
CD68 + CD28	200 ± 376	168 ± 385	176 ± 381	197 ± 376	178 ± 381
CD68 + CD29	81 ± 86	58 ± 82	60 ± 81	64 ± 78	68 ± 78
CD68 + CD3	293 ± 511	251 ± 524	274 ± 515	295 ± 507	265 ± 517
CD68 + CD31	14 ± 22	14 ± 22	14 ± 22	16 ± 21	25 ± 33
CD68 + CD4	309 ± 518	263 ± 533	286 ± 523	307 ± 515	278 ± 526
CD68 + CD44	283 ± 391	236 ± 407	261 ± 395	270 ± 390	246 ± 401
CD68 + CD45	254 ± 407	207 ± 419	231 ± 410	239 ± 408	213 ± 416
CD68 + CD45RA	66 ± 115	54 ± 117	60 ± 115	61 ± 115	56 ± 116
CD68 + CD45RO	182 ± 343	146 ± 349	155 ± 346	176 ± 342	148 ± 348
CD68 + CD52	206 ± 421	187 ± 428	199 ± 423	213 ± 419	192 ± 426
CD68 + CD54	240 ± 427	197 ± 436	202 ± 434	227 ± 427	207 ± 432
CD68 + CD56	13 ± 23	3 ± 5	3 ± 5	4 ± 4	3 ± 5
CD68 + CD58	79 ± 129	76 ± 131	77 ± 130	83 ± 126	77 ± 130
CD68 + CD62E	6 ± 17	6 ± 17	6 ± 17	6 ± 17	9 ± 17
CD68 + CD62P	8 ± 18	8 ± 18	8 ± 18	8 ± 18	12 ± 20
CD68 + CD7	174 ± 316	143 ± 323	164 ± 317	161 ± 317	150 ± 320
CD68 + CD8a	71 ± 154	65 ± 156	74 ± 154	67 ± 155	70 ± 154
CD68 + CK14	51 ± 101	49 ± 102	50 ± 102	51 ± 101	49 ± 102
CD68 + CLA	100 ± 137	88 ± 143	96 ± 139	92 ± 141	94 ± 140
CD68 + c-myc	31 ± 61	27 ± 62	28 ± 62	27 ± 62	27 ± 62
CD68 + Collagen IV	25 ± 38	24 ± 38	26 ± 37	27 ± 37	36 ± 42
CD68 + FXIIIA	41 ± 38	31 ± 38	31 ± 37	40 ± 33	30 ± 38
CD68 + HLA-DR	301 ± 408	257 ± 426	278 ± 414	281 ± 411	270 ± 418
CD68 + IL-22R	30 ± 75	30 ± 75	30 ± 75	30 ± 75	30 ± 75
CD68 + IL-23R	10 ± 13	8 ± 14	8 ± 14	13 ± 13	13 ± 17
CD68 + Ki67	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD68 + PI	250 ± 392	222 ± 404	239 ± 396	234 ± 397	231 ± 399
CD68 + Podoplanin	36 ± 65	29 ± 66	30 ± 66	32 ± 65	29 ± 66
CD68 + SNA1	105 ± 107	72 ± 103	80 ± 98	86 ± 96	82 ± 98
CD68 + STAT3	10 ± 12	6 ± 9	6 ± 9	7 ± 9	6 ± 9
CD68 + TIA1	34 ± 70	30 ± 72	33 ± 71	31 ± 71	33 ± 71
CD68 + Vimentin	310 ± 496	266 ± 511	283 ± 503	297 ± 497	278 ± 505

Tabelle 812: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD7 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD7 + Aktin	5 ± 7	4 ± 6	4 ± 6	4 ± 6	9 ± 14
CD7 + BCL2	152 ± 152	101 ± 154	114 ± 148	144 ± 162	117 ± 148
CD7 + CCR6	275 ± 333	188 ± 317	211 ± 307	310 ± 353	239 ± 311
CD7 + CD11a	713 ± 793	575 ± 850	639 ± 820	747 ± 805	636 ± 821
CD7 + CD11b	251 ± 414	237 ± 422	231 ± 425	249 ± 415	284 ± 415
CD7 + CD120a	5 ± 11	5 ± 11	5 ± 11	6 ± 11	5 ± 11
CD7 + CD120b	90 ± 175	74 ± 180	79 ± 178	96 ± 178	82 ± 177
CD7 + CD138	14 ± 31	2 ± 3	2 ± 3	2 ± 3	2 ± 2
CD7 + CD15	1 ± 2	1 ± 2	1 ± 2	4 ± 6	1 ± 2
CD7 + CD1a	14 ± 17	12 ± 17	12 ± 17	12 ± 18	11 ± 18
CD7 + CD2	714 ± 807	584 ± 861	646 ± 832	755 ± 816	664 ± 829
CD7 + CD207	41 ± 54	36 ± 56	36 ± 56	38 ± 54	49 ± 58
CD7 + CD24	4 ± 5	4 ± 5	5 ± 5	6 ± 5	4 ± 5
CD7 + CD28	612 ± 717	484 ± 762	514 ± 745	641 ± 725	541 ± 737
CD7 + CD29	101 ± 104	61 ± 77	63 ± 76	69 ± 72	92 ± 96
CD7 + CD3	743 ± 827	600 ± 886	669 ± 854	787 ± 834	681 ± 853
CD7 + CD31	9 ± 13	6 ± 12	6 ± 12	8 ± 12	14 ± 23
CD7 + CD4	709 ± 800	570 ± 855	627 ± 827	755 ± 810	649 ± 824
CD7 + CD44	659 ± 669	518 ± 721	586 ± 692	669 ± 667	594 ± 692
CD7 + CD45	685 ± 752	545 ± 804	612 ± 775	715 ± 766	613 ± 775
CD7 + CD45RA	179 ± 207	140 ± 221	151 ± 215	170 ± 210	160 ± 214
CD7 + CD45RO	441 ± 580	324 ± 604	355 ± 590	479 ± 604	353 ± 591
CD7 + CD52	575 ± 744	477 ± 787	525 ± 765	599 ± 746	533 ± 764
CD7 + CD54	561 ± 673	451 ± 700	453 ± 699	571 ± 677	504 ± 679
CD7 + CD56	13 ± 16	4 ± 7	4 ± 7	6 ± 7	4 ± 7
CD7 + CD58	125 ± 198	117 ± 203	111 ± 206	146 ± 202	113 ± 205
CD7 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD7 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 5
CD7 + CD68	174 ± 316	143 ± 323	164 ± 317	161 ± 317	150 ± 320
CD7 + CD8a	291 ± 373	265 ± 389	294 ± 378	315 ± 364	278 ± 382
CD7 + CK14	34 ± 43	22 ± 38	22 ± 37	22 ± 37	22 ± 37
CD7 + CLA	198 ± 182	166 ± 198	184 ± 190	184 ± 184	196 ± 192
CD7 + c-myc	10 ± 13	6 ± 10	6 ± 9	6 ± 10	6 ± 10
CD7 + Collagen IV	37 ± 45	27 ± 45	34 ± 45	32 ± 43	52 ± 71
CD7 + FXIIIA	19 ± 12	11 ± 12	11 ± 12	17 ± 15	16 ± 14
CD7 + HLA-DR	572 ± 558	443 ± 605	497 ± 581	536 ± 555	502 ± 580
CD7 + IL-22R	6 ± 9	5 ± 9	5 ± 9	6 ± 9	5 ± 9
CD7 + IL-23R	4 ± 5	1 ± 3	1 ± 3	8 ± 16	3 ± 5
CD7 + Ki67	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 4
CD7 + PI	615 ± 701	509 ± 747	561 ± 722	563 ± 711	569 ± 721
CD7 + Podoplanin	66 ± 105	37 ± 87	39 ± 86	62 ± 96	36 ± 87
CD7 + SNA1	176 ± 162	97 ± 131	111 ± 127	115 ± 126	108 ± 127
CD7 + STAT3	7 ± 9	3 ± 5	3 ± 5	3 ± 5	3 ± 5
CD7 + TIA1	97 ± 143	84 ± 150	91 ± 146	92 ± 145	93 ± 146
CD7 + Vimentin	404 ± 525	292 ± 536	330 ± 525	399 ± 529	335 ± 524

Tabelle 813: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CD8a für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CD8a + Aktin	0 ± 1	2 ± 5	0 ± 1	0 ± 1	5 ± 12
CD8a + BCL2	72 ± 70	58 ± 77	67 ± 73	70 ± 73	66 ± 73
CD8a + CCR6	123 ± 159	105 ± 166	115 ± 160	145 ± 154	135 ± 162
CD8a + CD11a	355 ± 421	326 ± 441	354 ± 429	380 ± 410	355 ± 428
CD8a + CD11b	136 ± 206	133 ± 209	123 ± 214	135 ± 208	143 ± 207
CD8a + CD120a	0 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1
CD8a + CD120b	45 ± 107	46 ± 106	45 ± 106	53 ± 104	49 ± 105
CD8a + CD138	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CD8a + CD15	1 ± 1	0 ± 1	0 ± 1	2 ± 2	0 ± 1
CD8a + CD1a	8 ± 13	11 ± 13	8 ± 13	8 ± 13	8 ± 13
CD8a + CD2	362 ± 433	332 ± 454	362 ± 440	390 ± 420	371 ± 438
CD8a + CD207	13 ± 18	14 ± 17	12 ± 18	15 ± 18	14 ± 17
CD8a + CD24	3 ± 5	4 ± 4	3 ± 5	5 ± 4	3 ± 5
CD8a + CD28	286 ± 380	257 ± 397	266 ± 392	309 ± 372	281 ± 387
CD8a + CD29	41 ± 41	39 ± 43	37 ± 45	42 ± 41	57 ± 58
CD8a + CD3	366 ± 435	338 ± 455	366 ± 442	398 ± 419	373 ± 440
CD8a + CD31	2 ± 2	1 ± 2	1 ± 2	2 ± 2	8 ± 18
CD8a + CD4	333 ± 411	306 ± 428	324 ± 420	363 ± 398	340 ± 417
CD8a + CD44	320 ± 327	293 ± 347	318 ± 336	345 ± 314	327 ± 335
CD8a + CD45	343 ± 406	315 ± 426	342 ± 414	368 ± 396	346 ± 413
CD8a + CD45RA	110 ± 119	98 ± 127	101 ± 126	111 ± 120	110 ± 124
CD8a + CD45RO	192 ± 304	163 ± 317	171 ± 313	215 ± 300	174 ± 312
CD8a + CD52	301 ± 415	272 ± 432	299 ± 421	318 ± 408	302 ± 421
CD8a + CD54	274 ± 330	254 ± 344	245 ± 350	286 ± 326	281 ± 335
CD8a + CD56	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
CD8a + CD58	68 ± 118	73 ± 117	64 ± 120	78 ± 116	66 ± 118
CD8a + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CD8a + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
CD8a + CD68	71 ± 154	65 ± 156	74 ± 154	67 ± 155	70 ± 154
CD8a + CD7	291 ± 373	265 ± 389	294 ± 378	315 ± 364	278 ± 382
CD8a + CK14	15 ± 24	13 ± 25	13 ± 25	13 ± 25	13 ± 25
CD8a + CLA	128 ± 131	127 ± 134	136 ± 129	134 ± 127	145 ± 128
CD8a + c-myc	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
CD8a + Collagen IV	12 ± 14	14 ± 14	15 ± 14	12 ± 14	38 ± 67
CD8a + FXIIIA	8 ± 10	5 ± 6	4 ± 5	4 ± 5	4 ± 5
CD8a + HLA-DR	280 ± 277	258 ± 294	273 ± 287	285 ± 274	292 ± 285
CD8a + IL-22R	4 ± 5	4 ± 5	4 ± 5	4 ± 5	4 ± 5
CD8a + IL-23R	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 2
CD8a + Ki67	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CD8a + PI	321 ± 379	298 ± 395	319 ± 386	314 ± 383	319 ± 385
CD8a + Podoplanin	18 ± 26	14 ± 25	15 ± 25	18 ± 26	13 ± 26
CD8a + SNA1	65 ± 47	46 ± 51	49 ± 50	49 ± 49	49 ± 50
CD8a + STAT3	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
CD8a + TIA1	79 ± 111	70 ± 116	72 ± 115	78 ± 111	82 ± 112
CD8a + Vimentin	172 ± 263	155 ± 270	166 ± 268	180 ± 261	172 ± 268

Tabelle 814: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CK14 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CK14 + Aktin	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CK14 + BCL2	81 ± 199	77 ± 200	77 ± 200	77 ± 200	77 ± 200
CK14 + CCR6	13 ± 23	5 ± 10	5 ± 10	7 ± 10	5 ± 10
CK14 + CD11a	94 ± 168	78 ± 171	79 ± 171	79 ± 171	78 ± 171
CK14 + CD11b	5 ± 9	5 ± 9	5 ± 9	5 ± 9	5 ± 9
CK14 + CD120a	34 ± 89	34 ± 89	34 ± 89	34 ± 89	34 ± 89
CK14 + CD120b	4 ± 6	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CK14 + CD138	97 ± 197	79 ± 199	80 ± 199	81 ± 199	79 ± 199
CK14 + CD15	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
CK14 + CD1a	39 ± 92	36 ± 93	36 ± 93	37 ± 93	36 ± 93
CK14 + CD2	96 ± 162	78 ± 165	78 ± 165	80 ± 164	79 ± 165
CK14 + CD207	119 ± 307	118 ± 308	118 ± 308	119 ± 307	118 ± 308
CK14 + CD24	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD28	42 ± 62	21 ± 42	21 ± 42	21 ± 42	22 ± 42
CK14 + CD29	63 ± 93	48 ± 92	48 ± 92	48 ± 92	48 ± 92
CK14 + CD3	77 ± 113	56 ± 112	56 ± 112	59 ± 110	57 ± 112
CK14 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD4	58 ± 79	39 ± 74	40 ± 74	42 ± 73	40 ± 74
CK14 + CD44	202 ± 442	181 ± 449	182 ± 448	184 ± 447	181 ± 448
CK14 + CD45	73 ± 115	53 ± 113	54 ± 113	53 ± 113	53 ± 113
CK14 + CD45RA	2 ± 3	1 ± 2	1 ± 2	1 ± 2	1 ± 2
CK14 + CD45RO	30 ± 46	14 ± 28	15 ± 27	15 ± 27	14 ± 28
CK14 + CD52	8 ± 13	3 ± 9	3 ± 9	4 ± 9	4 ± 9
CK14 + CD54	27 ± 48	11 ± 29	11 ± 29	11 ± 29	11 ± 29
CK14 + CD56	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
CK14 + CD58	72 ± 158	67 ± 160	69 ± 159	68 ± 160	67 ± 160
CK14 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CK14 + CD68	51 ± 101	49 ± 102	50 ± 102	51 ± 101	49 ± 102
CK14 + CD7	34 ± 43	22 ± 38	22 ± 37	22 ± 37	22 ± 37
CK14 + CD8a	15 ± 24	13 ± 25	13 ± 25	13 ± 25	13 ± 25
CK14 + CLA	75 ± 176	72 ± 177	72 ± 177	73 ± 177	72 ± 177
CK14 + c-myc	105 ± 269	103 ± 270	103 ± 269	103 ± 270	103 ± 270
CK14 + Collagen IV	1 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 2
CK14 + FXIIIA	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
CK14 + HLA-DR	181 ± 387	163 ± 392	164 ± 392	166 ± 391	163 ± 392
CK14 + IL-22R	120 ± 306	119 ± 307	119 ± 307	119 ± 307	119 ± 307
CK14 + IL-23R	9 ± 18	7 ± 18	7 ± 18	8 ± 18	7 ± 18
CK14 + Ki67	6 ± 12	6 ± 12	6 ± 12	6 ± 12	6 ± 12
CK14 + PI	86 ± 181	77 ± 184	77 ± 183	78 ± 183	77 ± 184
CK14 + Podoplanin	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
CK14 + SNA1	22 ± 38	7 ± 13	7 ± 13	8 ± 13	7 ± 13
CK14 + STAT3	19 ± 41	17 ± 42	17 ± 42	18 ± 42	17 ± 42
CK14 + TIA1	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
CK14 + Vimentin	82 ± 140	68 ± 143	70 ± 143	71 ± 142	69 ± 143

Tabelle 815: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von CLA für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
CLA + Aktin	1 ± 2	1 ± 3	0 ± 1	0 ± 1	2 ± 4
CLA + BCL2	101 ± 75	80 ± 85	84 ± 82	85 ± 81	94 ± 78
CLA + CCR6	127 ± 122	96 ± 126	103 ± 121	118 ± 111	140 ± 140
CLA + CD11a	343 ± 258	303 ± 293	322 ± 277	331 ± 263	354 ± 270
CLA + CD11b	116 ± 138	117 ± 137	112 ± 140	125 ± 133	154 ± 147
CLA + CD120a	17 ± 44	17 ± 44	17 ± 44	17 ± 44	17 ± 44
CLA + CD120b	34 ± 59	27 ± 60	29 ± 60	29 ± 60	35 ± 61
CLA + CD138	17 ± 39	15 ± 39	15 ± 39	15 ± 39	15 ± 39
CLA + CD15	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
CLA + CD1a	15 ± 27	15 ± 27	14 ± 27	16 ± 27	14 ± 28
CLA + CD2	353 ± 265	315 ± 298	335 ± 281	347 ± 265	384 ± 279
CLA + CD207	52 ± 98	48 ± 99	48 ± 99	55 ± 96	65 ± 100
CLA + CD24	2 ± 3	3 ± 3	2 ± 3	3 ± 3	3 ± 3
CLA + CD28	220 ± 206	185 ± 225	196 ± 218	205 ± 210	226 ± 218
CLA + CD29	59 ± 54	47 ± 55	47 ± 55	50 ± 52	75 ± 77
CLA + CD3	344 ± 259	302 ± 295	322 ± 278	339 ± 258	370 ± 279
CLA + CD31	2 ± 3	1 ± 3	1 ± 3	1 ± 3	9 ± 19
CLA + CD4	320 ± 259	279 ± 290	299 ± 276	315 ± 257	345 ± 279
CLA + CD44	355 ± 246	313 ± 286	333 ± 267	344 ± 251	376 ± 263
CLA + CD45	296 ± 223	255 ± 253	276 ± 238	277 ± 231	311 ± 241
CLA + CD45RA	77 ± 66	65 ± 73	68 ± 72	71 ± 69	91 ± 84
CLA + CD45RO	165 ± 209	128 ± 220	141 ± 213	155 ± 205	144 ± 213
CLA + CD52	217 ± 247	190 ± 262	205 ± 253	213 ± 246	238 ± 258
CLA + CD54	204 ± 198	173 ± 210	172 ± 211	184 ± 200	223 ± 215
CLA + CD56	7 ± 9	3 ± 7	3 ± 7	4 ± 7	3 ± 7
CLA + CD58	66 ± 83	64 ± 85	60 ± 87	62 ± 85	62 ± 86
CLA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
CLA + CD68	100 ± 137	88 ± 143	96 ± 139	92 ± 141	94 ± 140
CLA + CD7	198 ± 182	166 ± 198	184 ± 190	184 ± 184	196 ± 192
CLA + CD8a	128 ± 131	127 ± 134	136 ± 129	134 ± 127	145 ± 128
CLA + CK14	75 ± 176	72 ± 177	72 ± 177	73 ± 177	72 ± 177
CLA + c-myc	22 ± 50	19 ± 51	19 ± 51	19 ± 51	19 ± 51
CLA + Collagen IV	14 ± 15	10 ± 15	12 ± 15	10 ± 16	31 ± 55
CLA + FXIIIA	10 ± 9	8 ± 10	9 ± 9	10 ± 8	10 ± 9
CLA + HLA-DR	323 ± 230	285 ± 265	302 ± 250	309 ± 240	341 ± 245
CLA + IL-22R	33 ± 82	33 ± 82	33 ± 82	33 ± 82	33 ± 82
CLA + IL-23R	3 ± 4	2 ± 4	2 ± 4	4 ± 5	2 ± 4
CLA + Ki67	4 ± 5	3 ± 5	3 ± 5	3 ± 5	4 ± 5
CLA + PI	290 ± 219	261 ± 244	275 ± 232	279 ± 227	312 ± 227
CLA + Podoplanin	33 ± 42	19 ± 31	18 ± 31	19 ± 30	18 ± 31
CLA + SNA1	79 ± 56	52 ± 55	60 ± 53	54 ± 54	56 ± 53
CLA + STAT3	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
CLA + TIA1	36 ± 55	34 ± 56	34 ± 56	36 ± 55	43 ± 55
CLA + Vimentin	219 ± 224	184 ± 240	194 ± 234	200 ± 228	214 ± 230

Tabelle 816: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von c-myc für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
c-myc + Aktin	7 ± 11	3 ± 5	3 ± 5	3 ± 5	3 ± 5
c-myc + BCL2	69 ± 176	68 ± 176	68 ± 176	68 ± 176	68 ± 176
c-myc + CCR6	7 ± 15	1 ± 2	1 ± 2	1 ± 2	1 ± 2
c-myc + CD11a	29 ± 53	23 ± 54	24 ± 54	24 ± 54	23 ± 54
c-myc + CD11b	10 ± 16	9 ± 17	9 ± 17	9 ± 17	9 ± 17
c-myc + CD120a	17 ± 44	17 ± 44	17 ± 43	17 ± 44	17 ± 44
c-myc + CD120b	2 ± 3	1 ± 1	1 ± 1	1 ± 1	1 ± 1
c-myc + CD138	67 ± 165	63 ± 166	64 ± 166	63 ± 166	63 ± 166
c-myc + CD15	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
c-myc + CD1a	25 ± 66	25 ± 66	25 ± 66	25 ± 66	25 ± 66
c-myc + CD2	28 ± 52	23 ± 53	23 ± 53	23 ± 53	23 ± 53
c-myc + CD207	70 ± 184	70 ± 184	70 ± 184	70 ± 184	70 ± 184
c-myc + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
c-myc + CD28	13 ± 17	9 ± 16	9 ± 16	9 ± 16	9 ± 16
c-myc + CD29	47 ± 92	41 ± 94	41 ± 93	41 ± 94	41 ± 94
c-myc + CD3	21 ± 32	16 ± 32	16 ± 31	16 ± 31	16 ± 32
c-myc + CD31	4 ± 9	4 ± 9	4 ± 9	4 ± 9	4 ± 9
c-myc + CD4	22 ± 31	16 ± 30	16 ± 30	16 ± 30	16 ± 30
c-myc + CD44	107 ± 255	100 ± 257	100 ± 257	100 ± 257	100 ± 257
c-myc + CD45	24 ± 43	18 ± 43	19 ± 42	18 ± 43	18 ± 43
c-myc + CD45RA	4 ± 6	3 ± 5	3 ± 5	3 ± 5	3 ± 5
c-myc + CD45RO	8 ± 15	2 ± 4	3 ± 4	2 ± 4	2 ± 4
c-myc + CD52	5 ± 8	2 ± 6	2 ± 6	3 ± 6	2 ± 6
c-myc + CD54	17 ± 21	11 ± 20	12 ± 20	11 ± 20	11 ± 20
c-myc + CD56	5 ± 11	1 ± 2	1 ± 2	1 ± 2	1 ± 2
c-myc + CD58	54 ± 132	54 ± 132	54 ± 132	54 ± 132	54 ± 132
c-myc + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
c-myc + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
c-myc + CD68	31 ± 61	27 ± 62	28 ± 62	27 ± 62	27 ± 62
c-myc + CD7	10 ± 13	6 ± 10	6 ± 9	6 ± 10	6 ± 10
c-myc + CD8a	5 ± 12	5 ± 12	5 ± 12	5 ± 12	5 ± 12
c-myc + CK14	105 ± 269	103 ± 270	103 ± 269	103 ± 270	103 ± 270
c-myc + CLA	22 ± 50	19 ± 51	19 ± 51	19 ± 51	19 ± 51
c-myc + Collagen IV	12 ± 17	10 ± 18	11 ± 18	11 ± 18	10 ± 18
c-myc + FXIIIA	7 ± 10	3 ± 7	4 ± 7	3 ± 7	3 ± 7
c-myc + HLA-DR	96 ± 223	90 ± 226	91 ± 225	90 ± 226	90 ± 226
c-myc + IL-22R	81 ± 215	81 ± 215	81 ± 215	81 ± 215	81 ± 215
c-myc + IL-23R	8 ± 16	8 ± 16	8 ± 16	8 ± 16	8 ± 16
c-myc + Ki67	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
c-myc + PI	32 ± 67	27 ± 68	27 ± 68	27 ± 68	27 ± 68
c-myc + Podoplanin	5 ± 6	3 ± 5	3 ± 5	3 ± 5	3 ± 5
c-myc + SNA1	18 ± 25	13 ± 24	13 ± 24	13 ± 24	13 ± 24
c-myc + STAT3	20 ± 43	17 ± 44	17 ± 44	17 ± 44	17 ± 44
c-myc + TIA1	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
c-myc + Vimentin	32 ± 56	26 ± 57	26 ± 56	26 ± 57	26 ± 57

Tabelle 817: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Collagen IV für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Collagen IV + Aktin	10 ± 12	11 ± 12	10 ± 12	13 ± 12	28 ± 46
Collagen IV + BCL2	6 ± 8	3 ± 6	4 ± 5	3 ± 6	15 ± 30
Collagen IV + CCR6	21 ± 28	13 ± 23	16 ± 23	17 ± 22	56 ± 110
Collagen IV + CD11a	59 ± 71	48 ± 73	53 ± 71	51 ± 71	92 ± 124
Collagen IV + CD11b	26 ± 32	27 ± 32	25 ± 33	28 ± 31	51 ± 64
Collagen IV + CD120a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Collagen IV + CD120b	5 ± 7	4 ± 8	4 ± 8	5 ± 7	11 ± 18
Collagen IV + CD138	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Collagen IV + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + CD1a	0 ± 0	1 ± 3	0 ± 0	0 ± 0	0 ± 0
Collagen IV + CD2	59 ± 65	49 ± 69	55 ± 66	53 ± 66	128 ± 202
Collagen IV + CD207	1 ± 3	2 ± 3	1 ± 3	1 ± 3	3 ± 5
Collagen IV + CD24	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Collagen IV + CD28	50 ± 61	39 ± 63	43 ± 62	46 ± 60	79 ± 109
Collagen IV + CD29	46 ± 32	40 ± 36	40 ± 36	42 ± 34	72 ± 78
Collagen IV + CD3	76 ± 84	63 ± 88	70 ± 84	70 ± 83	140 ± 201
Collagen IV + CD31	14 ± 17	14 ± 18	14 ± 18	17 ± 16	29 ± 39
Collagen IV + CD4	80 ± 88	68 ± 93	75 ± 90	75 ± 88	145 ± 201
Collagen IV + CD44	75 ± 66	63 ± 70	71 ± 67	64 ± 69	135 ± 183
Collagen IV + CD45	51 ± 57	40 ± 57	46 ± 56	43 ± 55	91 ± 137
Collagen IV + CD45RA	15 ± 24	14 ± 24	13 ± 24	13 ± 24	27 ± 40
Collagen IV + CD45RO	29 ± 44	21 ± 44	25 ± 43	25 ± 43	34 ± 50
Collagen IV + CD52	45 ± 62	36 ± 63	39 ± 62	39 ± 62	89 ± 143
Collagen IV + CD54	67 ± 62	59 ± 66	59 ± 66	61 ± 64	117 ± 149
Collagen IV + CD56	6 ± 8	2 ± 6	3 ± 6	3 ± 6	2 ± 6
Collagen IV + CD58	18 ± 34	19 ± 34	18 ± 34	21 ± 33	19 ± 34
Collagen IV + CD62E	3 ± 7	3 ± 7	3 ± 7	3 ± 7	5 ± 8
Collagen IV + CD62P	5 ± 8	5 ± 8	5 ± 8	5 ± 8	9 ± 11
Collagen IV + CD68	25 ± 38	24 ± 38	26 ± 37	27 ± 37	36 ± 42
Collagen IV + CD7	37 ± 45	27 ± 45	34 ± 45	32 ± 43	52 ± 71
Collagen IV + CD8a	12 ± 14	14 ± 14	15 ± 14	12 ± 14	38 ± 67
Collagen IV + CK14	1 ± 2	1 ± 2	1 ± 2	1 ± 2	2 ± 2
Collagen IV + CLA	14 ± 15	10 ± 15	12 ± 15	10 ± 16	31 ± 55
Collagen IV + c-myc	12 ± 17	10 ± 18	11 ± 18	11 ± 18	10 ± 18
Collagen IV + FXIIIA	2 ± 5	3 ± 5	3 ± 5	2 ± 5	2 ± 5
Collagen IV + HLA-DR	78 ± 71	68 ± 76	71 ± 73	69 ± 75	129 ± 158
Collagen IV + IL-22R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + IL-23R	1 ± 4	1 ± 4	1 ± 4	3 ± 5	6 ± 13
Collagen IV + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Collagen IV + PI	66 ± 57	57 ± 61	60 ± 59	59 ± 60	116 ± 150
Collagen IV + Podoplanin	23 ± 41	18 ± 41	18 ± 41	20 ± 41	18 ± 41
Collagen IV + SNA1	59 ± 44	50 ± 49	52 ± 47	53 ± 47	72 ± 61
Collagen IV + STAT3	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
Collagen IV + TIA1	6 ± 11	6 ± 11	6 ± 11	6 ± 11	15 ± 24
Collagen IV + Vimentin	52 ± 71	44 ± 72	44 ± 72	45 ± 72	84 ± 118

Tabelle 818: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von FXIIIA für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
FXIIIA + Aktin	6 ± 10	2 ± 4	2 ± 4	2 ± 4	2 ± 4
FXIIIA + BCL2	9 ± 10	7 ± 10	7 ± 10	10 ± 11	8 ± 9
FXIIIA + CCR6	25 ± 25	15 ± 16	16 ± 15	26 ± 24	17 ± 15
FXIIIA + CD11a	49 ± 34	36 ± 40	37 ± 39	50 ± 41	39 ± 38
FXIIIA + CD11b	44 ± 33	40 ± 36	38 ± 38	43 ± 34	43 ± 35
FXIIIA + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD120b	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 2
FXIIIA + CD138	4 ± 7	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD2	52 ± 45	41 ± 51	41 ± 50	56 ± 49	45 ± 48
FXIIIA + CD207	1 ± 1	1 ± 1	1 ± 1	1 ± 1	2 ± 4
FXIIIA + CD24	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
FXIIIA + CD28	27 ± 19	18 ± 22	18 ± 22	29 ± 26	22 ± 21
FXIIIA + CD29	16 ± 17	9 ± 10	9 ± 10	10 ± 10	11 ± 11
FXIIIA + CD3	53 ± 35	39 ± 42	41 ± 40	58 ± 40	43 ± 39
FXIIIA + CD31	2 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
FXIIIA + CD4	61 ± 47	46 ± 52	47 ± 52	64 ± 49	50 ± 50
FXIIIA + CD44	59 ± 34	43 ± 38	44 ± 37	56 ± 33	46 ± 36
FXIIIA + CD45	48 ± 35	32 ± 37	33 ± 37	45 ± 39	35 ± 36
FXIIIA + CD45RA	21 ± 16	15 ± 19	15 ± 19	16 ± 18	16 ± 18
FXIIIA + CD45RO	29 ± 21	18 ± 23	19 ± 22	32 ± 30	20 ± 21
FXIIIA + CD52	37 ± 39	28 ± 43	28 ± 43	40 ± 41	31 ± 42
FXIIIA + CD54	45 ± 41	30 ± 43	31 ± 42	42 ± 43	35 ± 41
FXIIIA + CD56	9 ± 16	2 ± 5	3 ± 5	3 ± 5	2 ± 5
FXIIIA + CD58	6 ± 9	5 ± 9	5 ± 9	6 ± 8	5 ± 9
FXIIIA + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
FXIIIA + CD68	41 ± 38	31 ± 38	31 ± 37	40 ± 33	30 ± 38
FXIIIA + CD7	19 ± 12	11 ± 12	11 ± 12	17 ± 15	16 ± 14
FXIIIA + CD8a	8 ± 10	5 ± 6	4 ± 5	4 ± 5	4 ± 5
FXIIIA + CK14	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
FXIIIA + CLA	10 ± 9	8 ± 10	9 ± 9	10 ± 8	10 ± 9
FXIIIA + c-myc	7 ± 10	3 ± 7	4 ± 7	3 ± 7	3 ± 7
FXIIIA + Collagen IV	2 ± 5	3 ± 5	3 ± 5	2 ± 5	2 ± 5
FXIIIA + HLA-DR	61 ± 34	48 ± 42	48 ± 42	56 ± 35	48 ± 43
FXIIIA + IL-22R	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
FXIIIA + IL-23R	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
FXIIIA + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
FXIIIA + PI	53 ± 38	43 ± 44	43 ± 44	44 ± 42	45 ± 42
FXIIIA + Podoplanin	7 ± 10	4 ± 8	4 ± 8	5 ± 7	4 ± 8
FXIIIA + SNA1	30 ± 15	19 ± 17	21 ± 16	24 ± 15	19 ± 17
FXIIIA + STAT3	4 ± 7	1 ± 4	2 ± 4	1 ± 4	1 ± 4
FXIIIA + TIA1	5 ± 4	4 ± 5	4 ± 5	4 ± 5	5 ± 5
FXIIIA + Vimentin	48 ± 38	35 ± 40	34 ± 40	48 ± 41	36 ± 39

Tabelle 819: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von HLA-DR für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
HLA-DR + Aktin	19 ± 17	17 ± 17	15 ± 18	16 ± 17	26 ± 28
HLA-DR + BCL2	220 ± 150	163 ± 179	174 ± 170	192 ± 162	191 ± 165
HLA-DR + CCR6	352 ± 368	240 ± 341	264 ± 326	353 ± 313	349 ± 374
HLA-DR + CD11a	986 ± 819	800 ± 931	864 ± 887	944 ± 830	902 ± 876
HLA-DR + CD11b	406 ± 459	389 ± 473	378 ± 482	416 ± 456	466 ± 458
HLA-DR + CD120a	37 ± 94	36 ± 95	38 ± 94	38 ± 94	36 ± 95
HLA-DR + CD120b	78 ± 127	60 ± 132	65 ± 130	77 ± 129	72 ± 130
HLA-DR + CD138	82 ± 158	63 ± 158	63 ± 158	64 ± 158	64 ± 158
HLA-DR + CD15	3 ± 4	3 ± 4	3 ± 4	7 ± 8	3 ± 4
HLA-DR + CD1a	47 ± 81	46 ± 81	43 ± 82	45 ± 81	42 ± 83
HLA-DR + CD2	989 ± 841	814 ± 949	877 ± 903	964 ± 839	987 ± 899
HLA-DR + CD207	147 ± 279	142 ± 281	141 ± 282	149 ± 278	157 ± 276
HLA-DR + CD24	11 ± 7	9 ± 8	10 ± 8	12 ± 6	11 ± 8
HLA-DR + CD28	731 ± 706	568 ± 776	598 ± 756	707 ± 703	653 ± 741
HLA-DR + CD29	214 ± 147	160 ± 150	162 ± 148	169 ± 141	215 ± 162
HLA-DR + CD3	1033 ± 871	840 ± 987	910 ± 938	1024 ± 857	1012 ± 935
HLA-DR + CD31	26 ± 27	23 ± 29	23 ± 29	25 ± 27	36 ± 36
HLA-DR + CD4	1031 ± 897	839 ± 1007	902 ± 963	1018 ± 884	1011 ± 959
HLA-DR + CD44	1123 ± 769	929 ± 916	1001 ± 855	1090 ± 765	1098 ± 842
HLA-DR + CD45	904 ± 738	710 ± 834	777 ± 792	844 ± 747	838 ± 790
HLA-DR + CD45RA	223 ± 190	179 ± 213	185 ± 209	200 ± 198	210 ± 204
HLA-DR + CD45RO	526 ± 605	372 ± 636	405 ± 619	503 ± 593	420 ± 615
HLA-DR + CD52	697 ± 813	571 ± 873	615 ± 849	679 ± 814	695 ± 847
HLA-DR + CD54	766 ± 754	621 ± 802	625 ± 799	726 ± 743	737 ± 769
HLA-DR + CD56	25 ± 30	11 ± 17	11 ± 17	13 ± 16	11 ± 17
HLA-DR + CD58	196 ± 217	185 ± 226	178 ± 231	203 ± 216	179 ± 229
HLA-DR + CD62E	11 ± 21	11 ± 21	11 ± 21	12 ± 21	13 ± 21
HLA-DR + CD62P	15 ± 25	15 ± 25	15 ± 25	15 ± 25	17 ± 25
HLA-DR + CD68	301 ± 408	257 ± 426	278 ± 414	281 ± 411	270 ± 418
HLA-DR + CD7	572 ± 558	443 ± 605	497 ± 581	536 ± 555	502 ± 580
HLA-DR + CD8a	280 ± 277	258 ± 294	273 ± 287	285 ± 274	292 ± 285
HLA-DR + CK14	181 ± 387	163 ± 392	164 ± 392	166 ± 391	163 ± 392
HLA-DR + CLA	323 ± 230	285 ± 265	302 ± 250	309 ± 240	341 ± 245
HLA-DR + c-myc	96 ± 223	90 ± 226	91 ± 225	90 ± 226	90 ± 226
HLA-DR + Collagen IV	78 ± 71	68 ± 76	71 ± 73	69 ± 75	129 ± 158
HLA-DR + FXIIIA	61 ± 34	48 ± 42	48 ± 42	56 ± 35	48 ± 43
HLA-DR + IL-22R	102 ± 259	101 ± 259	101 ± 259	102 ± 259	101 ± 259
HLA-DR + IL-23R	13 ± 18	9 ± 18	9 ± 18	16 ± 19	13 ± 18
HLA-DR + Ki67	9 ± 13	8 ± 14	8 ± 14	8 ± 14	9 ± 13
HLA-DR + PI	921 ± 755	776 ± 856	823 ± 819	842 ± 798	907 ± 802
HLA-DR + Podoplanin	111 ± 148	75 ± 139	76 ± 139	92 ± 136	74 ± 140
HLA-DR + SNA1	283 ± 184	177 ± 179	192 ± 168	195 ± 166	187 ± 172
HLA-DR + STAT3	23 ± 36	16 ± 35	17 ± 35	17 ± 35	16 ± 35
HLA-DR + TIA1	85 ± 105	72 ± 113	77 ± 110	77 ± 109	85 ± 108
HLA-DR + Vimentin	643 ± 635	500 ± 683	536 ± 663	594 ± 629	589 ± 659

Tabelle 820: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-22R für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
IL-22R + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + BCL2	58 ± 149	57 ± 149	57 ± 149	58 ± 149	57 ± 149
IL-22R + CCR6	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
IL-22R + CD11a	36 ± 83	35 ± 83	35 ± 83	36 ± 83	35 ± 83
IL-22R + CD11b	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + CD120a	27 ± 71	27 ± 71	27 ± 71	27 ± 71	27 ± 71
IL-22R + CD120b	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
IL-22R + CD138	62 ± 156	60 ± 156	60 ± 156	61 ± 156	60 ± 156
IL-22R + CD15	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
IL-22R + CD1a	32 ± 82	32 ± 83	32 ± 83	32 ± 83	32 ± 83
IL-22R + CD2	36 ± 81	35 ± 82	35 ± 82	35 ± 81	35 ± 82
IL-22R + CD207	91 ± 238	91 ± 238	91 ± 238	91 ± 238	91 ± 238
IL-22R + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD28	12 ± 23	11 ± 24	11 ± 24	11 ± 23	11 ± 24
IL-22R + CD29	29 ± 71	29 ± 72	29 ± 72	29 ± 72	29 ± 72
IL-22R + CD3	23 ± 50	22 ± 50	22 ± 50	23 ± 50	22 ± 50
IL-22R + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD4	18 ± 35	16 ± 36	16 ± 36	17 ± 35	16 ± 36
IL-22R + CD44	113 ± 289	112 ± 289	112 ± 289	113 ± 289	112 ± 289
IL-22R + CD45	28 ± 65	27 ± 65	27 ± 65	28 ± 65	27 ± 65
IL-22R + CD45RA	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
IL-22R + CD45RO	4 ± 5	3 ± 5	3 ± 5	4 ± 5	3 ± 5
IL-22R + CD52	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
IL-22R + CD54	3 ± 5	2 ± 5	2 ± 5	3 ± 5	2 ± 5
IL-22R + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD58	51 ± 129	51 ± 130	51 ± 130	51 ± 129	51 ± 130
IL-22R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + CD68	30 ± 75	30 ± 75	30 ± 75	30 ± 75	30 ± 75
IL-22R + CD7	6 ± 9	5 ± 9	5 ± 9	6 ± 9	5 ± 9
IL-22R + CD8a	4 ± 5	4 ± 5	4 ± 5	4 ± 5	4 ± 5
IL-22R + CK14	120 ± 306	119 ± 307	119 ± 307	119 ± 307	119 ± 307
IL-22R + CLA	33 ± 82	33 ± 82	33 ± 82	33 ± 82	33 ± 82
IL-22R + c-myc	81 ± 215	81 ± 215	81 ± 215	81 ± 215	81 ± 215
IL-22R + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-22R + FXIIIA	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-22R + HLA-DR	102 ± 259	101 ± 259	101 ± 259	102 ± 259	101 ± 259
IL-22R + IL-23R	8 ± 19	7 ± 19	7 ± 19	7 ± 19	7 ± 19
IL-22R + Ki67	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
IL-22R + PI	29 ± 69	28 ± 70	28 ± 70	29 ± 69	28 ± 70
IL-22R + Podoplanin	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + SNA1	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
IL-22R + STAT3	15 ± 36	15 ± 37	15 ± 37	15 ± 37	15 ± 37
IL-22R + TIA1	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
IL-22R + Vimentin	34 ± 82	34 ± 82	34 ± 82	34 ± 82	34 ± 82

Tabelle 821: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von IL-23R für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
IL-23R + Aktin	1 ± 2	1 ± 2	1 ± 2	2 ± 4	6 ± 14
IL-23R + BCL2	8 ± 14	7 ± 14	7 ± 14	11 ± 16	7 ± 14
IL-23R + CCR6	2 ± 3	1 ± 3	1 ± 3	5 ± 10	1 ± 3
IL-23R + CD11a	6 ± 7	3 ± 5	3 ± 5	9 ± 16	3 ± 5
IL-23R + CD11b	3 ± 7	3 ± 7	3 ± 7	5 ± 7	5 ± 9
IL-23R + CD120a	4 ± 11	4 ± 11	4 ± 11	5 ± 11	4 ± 11
IL-23R + CD120b	2 ± 2	1 ± 1	1 ± 1	3 ± 5	1 ± 1
IL-23R + CD138	8 ± 14	6 ± 14	6 ± 14	7 ± 14	6 ± 14
IL-23R + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD1a	6 ± 13	5 ± 14	5 ± 14	5 ± 14	5 ± 14
IL-23R + CD2	7 ± 8	3 ± 6	3 ± 6	11 ± 16	9 ± 14
IL-23R + CD207	7 ± 18	7 ± 18	7 ± 18	7 ± 18	7 ± 18
IL-23R + CD24	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
IL-23R + CD28	6 ± 8	2 ± 4	2 ± 4	9 ± 13	4 ± 5
IL-23R + CD29	8 ± 10	6 ± 10	6 ± 10	8 ± 9	11 ± 15
IL-23R + CD3	6 ± 8	2 ± 4	2 ± 4	11 ± 17	6 ± 11
IL-23R + CD31	2 ± 4	2 ± 4	2 ± 4	3 ± 5	7 ± 14
IL-23R + CD4	7 ± 9	4 ± 8	4 ± 8	12 ± 17	9 ± 14
IL-23R + CD44	11 ± 15	7 ± 15	7 ± 15	14 ± 19	8 ± 14
IL-23R + CD45	8 ± 9	4 ± 7	4 ± 7	10 ± 15	4 ± 7
IL-23R + CD45RA	0 ± 1	0 ± 1	0 ± 1	2 ± 3	0 ± 1
IL-23R + CD45RO	4 ± 7	1 ± 3	1 ± 3	8 ± 17	1 ± 3
IL-23R + CD52	1 ± 2	1 ± 2	1 ± 2	5 ± 11	2 ± 5
IL-23R + CD54	7 ± 10	3 ± 9	3 ± 9	9 ± 16	8 ± 15
IL-23R + CD56	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + CD58	9 ± 16	8 ± 16	8 ± 16	12 ± 16	8 ± 16
IL-23R + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2 ± 6
IL-23R + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	5 ± 10
IL-23R + CD68	10 ± 13	8 ± 14	8 ± 14	13 ± 13	13 ± 17
IL-23R + CD7	4 ± 5	1 ± 3	1 ± 3	8 ± 16	3 ± 5
IL-23R + CD8a	0 ± 0	0 ± 0	0 ± 0	1 ± 2	1 ± 2
IL-23R + CK14	9 ± 18	7 ± 18	7 ± 18	8 ± 18	7 ± 18
IL-23R + CLA	3 ± 4	2 ± 4	2 ± 4	4 ± 5	2 ± 4
IL-23R + c-myc	8 ± 16	8 ± 16	8 ± 16	8 ± 16	8 ± 16
IL-23R + Collagen IV	1 ± 4	1 ± 4	1 ± 4	3 ± 5	6 ± 13
IL-23R + FXIIIA	2 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
IL-23R + HLA-DR	13 ± 18	9 ± 18	9 ± 18	16 ± 19	13 ± 18
IL-23R + IL-22R	8 ± 19	7 ± 19	7 ± 19	7 ± 19	7 ± 19
IL-23R + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
IL-23R + PI	4 ± 5	2 ± 4	2 ± 4	6 ± 6	6 ± 10
IL-23R + Podoplanin	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
IL-23R + SNA1	6 ± 7	3 ± 6	3 ± 6	5 ± 6	7 ± 11
IL-23R + STAT3	5 ± 10	4 ± 10	4 ± 10	5 ± 10	4 ± 10
IL-23R + TIA1	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
IL-23R + Vimentin	11 ± 13	8 ± 13	8 ± 13	14 ± 17	9 ± 13

Tabelle 822: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Ki67 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Ki67 + Aktin	0 ± 0	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Ki67 + BCL2	3 ± 6	2 ± 6	2 ± 6	2 ± 6	2 ± 6
Ki67 + CCR6	0 ± 1	0 ± 1	0 ± 1	1 ± 1	1 ± 1
Ki67 + CD11a	5 ± 7	3 ± 6	3 ± 6	3 ± 6	4 ± 6
Ki67 + CD11b	1 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD120b	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD138	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
Ki67 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD1a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD2	5 ± 7	3 ± 6	3 ± 6	4 ± 6	4 ± 6
Ki67 + CD207	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
Ki67 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD28	1 ± 2	0 ± 1	0 ± 1	1 ± 1	0 ± 1
Ki67 + CD29	2 ± 5	2 ± 5	2 ± 5	2 ± 5	3 ± 5
Ki67 + CD3	5 ± 7	3 ± 6	3 ± 6	3 ± 6	4 ± 6
Ki67 + CD31	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD4	3 ± 6	2 ± 5	2 ± 5	2 ± 5	3 ± 5
Ki67 + CD44	7 ± 9	5 ± 9	6 ± 9	6 ± 9	6 ± 9
Ki67 + CD45	3 ± 5	1 ± 4	2 ± 4	2 ± 4	2 ± 4
Ki67 + CD45RA	1 ± 1	0 ± 1	0 ± 1	0 ± 1	1 ± 1
Ki67 + CD45RO	2 ± 4	1 ± 4	2 ± 4	2 ± 4	2 ± 4
Ki67 + CD52	1 ± 2	0 ± 0	0 ± 0	0 ± 0	0 ± 1
Ki67 + CD54	2 ± 4	2 ± 4	2 ± 4	2 ± 4	3 ± 5
Ki67 + CD56	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD58	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + CD68	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
Ki67 + CD7	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 4
Ki67 + CD8a	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
Ki67 + CK14	6 ± 12	6 ± 12	6 ± 12	6 ± 12	6 ± 12
Ki67 + CLA	4 ± 5	3 ± 5	3 ± 5	3 ± 5	4 ± 5
Ki67 + c-myc	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + Collagen IV	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + FXIIIA	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + HLA-DR	9 ± 13	8 ± 14	8 ± 14	8 ± 14	9 ± 13
Ki67 + IL-22R	1 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
Ki67 + IL-23R	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + PI	10 ± 14	9 ± 15	9 ± 15	9 ± 15	10 ± 14
Ki67 + Podoplanin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + SNA1	1 ± 2	0 ± 0	0 ± 0	0 ± 1	0 ± 0
Ki67 + STAT3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Ki67 + TIA1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
Ki67 + Vimentin	7 ± 11	6 ± 12	6 ± 12	6 ± 11	6 ± 12

Tabelle 823: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von PI für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
PI + Aktin	13 ± 16	12 ± 15	10 ± 16	13 ± 16	25 ± 39
PI + BCL2	223 ± 194	168 ± 215	181 ± 206	182 ± 205	200 ± 203
PI + CCR6	356 ± 390	256 ± 380	278 ± 366	317 ± 345	358 ± 395
PI + CD11a	1030 ± 1060	871 ± 1153	929 ± 1115	956 ± 1088	966 ± 1103
PI + CD11b	370 ± 478	361 ± 486	351 ± 493	379 ± 475	429 ± 473
PI + CD120a	14 ± 36	14 ± 36	15 ± 36	15 ± 36	14 ± 36
PI + CD120b	75 ± 144	64 ± 147	68 ± 146	67 ± 146	72 ± 145
PI + CD138	18 ± 29	9 ± 22	10 ± 22	10 ± 22	10 ± 22
PI + CD15	1 ± 2	1 ± 2	1 ± 2	4 ± 7	2 ± 2
PI + CD1a	20 ± 21	21 ± 21	18 ± 22	18 ± 22	17 ± 22
PI + CD2	1073 ± 1115	916 ± 1209	976 ± 1169	1005 ± 1140	1085 ± 1151
PI + CD207	72 ± 98	71 ± 99	69 ± 101	73 ± 98	84 ± 97
PI + CD24	10 ± 10	8 ± 11	8 ± 11	10 ± 10	10 ± 10
PI + CD28	804 ± 919	665 ± 987	691 ± 970	745 ± 934	748 ± 949
PI + CD29	150 ± 110	112 ± 110	113 ± 108	117 ± 105	167 ± 148
PI + CD3	1099 ± 1129	935 ± 1227	997 ± 1186	1045 ± 1145	1100 ± 1168
PI + CD31	20 ± 20	17 ± 22	17 ± 22	20 ± 20	28 ± 28
PI + CD4	1088 ± 1132	924 ± 1226	976 ± 1191	1030 ± 1149	1088 ± 1171
PI + CD44	997 ± 840	837 ± 944	899 ± 899	931 ± 862	992 ± 889
PI + CD45	941 ± 958	776 ± 1043	837 ± 1006	851 ± 988	895 ± 996
PI + CD45RA	223 ± 229	185 ± 249	191 ± 245	194 ± 242	213 ± 240
PI + CD45RO	575 ± 730	441 ± 770	469 ± 755	520 ± 728	486 ± 749
PI + CD52	816 ± 1035	696 ± 1095	740 ± 1071	746 ± 1063	812 ± 1058
PI + CD54	767 ± 830	648 ± 880	648 ± 880	691 ± 849	759 ± 844
PI + CD56	14 ± 24	4 ± 7	4 ± 7	5 ± 7	4 ± 7
PI + CD58	146 ± 212	142 ± 215	134 ± 220	138 ± 217	134 ± 219
PI + CD62E	7 ± 12	7 ± 12	7 ± 12	8 ± 12	8 ± 12
PI + CD62P	10 ± 16	10 ± 16	10 ± 16	10 ± 16	13 ± 16
PI + CD68	250 ± 392	222 ± 404	239 ± 396	234 ± 397	231 ± 399
PI + CD7	615 ± 701	509 ± 747	561 ± 722	563 ± 711	569 ± 721
PI + CD8a	321 ± 379	298 ± 395	319 ± 386	314 ± 383	319 ± 385
PI + CK14	86 ± 181	77 ± 184	77 ± 183	78 ± 183	77 ± 184
PI + CLA	290 ± 219	261 ± 244	275 ± 232	279 ± 227	312 ± 227
PI + c-myc	32 ± 67	27 ± 68	27 ± 68	27 ± 68	27 ± 68
PI + Collagen IV	66 ± 57	57 ± 61	60 ± 59	59 ± 60	116 ± 150
PI + FXIIIA	53 ± 38	43 ± 44	43 ± 44	44 ± 42	45 ± 42
PI + HLA-DR	921 ± 755	776 ± 856	823 ± 819	842 ± 798	907 ± 802
PI + IL-22R	29 ± 69	28 ± 70	28 ± 70	29 ± 69	28 ± 70
PI + IL-23R	4 ± 5	2 ± 4	2 ± 4	6 ± 6	6 ± 10
PI + Ki67	10 ± 14	9 ± 15	9 ± 15	9 ± 15	10 ± 14
PI + Podoplanin	104 ± 164	72 ± 159	73 ± 159	78 ± 156	71 ± 159
PI + SNA1	221 ± 149	148 ± 159	158 ± 151	155 ± 152	161 ± 151
PI + STAT3	8 ± 10	4 ± 5	4 ± 5	4 ± 5	4 ± 5
PI + TIA1	98 ± 136	86 ± 143	92 ± 140	89 ± 141	96 ± 138
PI + Vimentin	598 ± 678	478 ± 717	509 ± 700	532 ± 683	561 ± 695

Tabelle 824: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Podoplanin für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Podoplanin + Aktin	4 ± 6	2 ± 3	2 ± 3	2 ± 3	2 ± 3
Podoplanin + BCL2	23 ± 40	8 ± 16	9 ± 15	18 ± 28	8 ± 16
Podoplanin + CCR6	65 ± 95	33 ± 66	34 ± 66	53 ± 73	33 ± 66
Podoplanin + CD11a	115 ± 173	77 ± 162	78 ± 162	106 ± 162	76 ± 163
Podoplanin + CD11b	37 ± 60	34 ± 62	34 ± 62	36 ± 60	34 ± 62
Podoplanin + CD120a	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Podoplanin + CD120b	12 ± 22	10 ± 22	10 ± 22	13 ± 22	10 ± 22
Podoplanin + CD138	5 ± 7	3 ± 6	3 ± 6	3 ± 6	3 ± 6
Podoplanin + CD15	0 ± 0	0 ± 0	0 ± 0	2 ± 6	0 ± 0
Podoplanin + CD1a	1 ± 4	1 ± 4	1 ± 4	1 ± 4	1 ± 4
Podoplanin + CD2	115 ± 174	75 ± 163	76 ± 162	103 ± 163	75 ± 163
Podoplanin + CD207	10 ± 16	6 ± 15	6 ± 15	6 ± 15	6 ± 15
Podoplanin + CD24	4 ± 5	4 ± 6	4 ± 5	5 ± 5	4 ± 6
Podoplanin + CD28	105 ± 170	72 ± 163	72 ± 163	99 ± 164	71 ± 164
Podoplanin + CD29	32 ± 41	22 ± 38	22 ± 38	24 ± 37	22 ± 38
Podoplanin + CD3	129 ± 199	90 ± 193	91 ± 193	120 ± 191	89 ± 194
Podoplanin + CD31	4 ± 8	3 ± 8	3 ± 8	4 ± 8	3 ± 8
Podoplanin + CD4	128 ± 199	87 ± 191	89 ± 191	118 ± 189	87 ± 191
Podoplanin + CD44	113 ± 149	73 ± 134	75 ± 133	99 ± 133	72 ± 134
Podoplanin + CD45	106 ± 159	66 ± 143	68 ± 143	95 ± 145	65 ± 144
Podoplanin + CD45RA	28 ± 34	14 ± 21	14 ± 21	22 ± 24	14 ± 21
Podoplanin + CD45RO	80 ± 130	49 ± 119	49 ± 119	72 ± 120	49 ± 119
Podoplanin + CD52	99 ± 176	67 ± 170	68 ± 169	86 ± 167	66 ± 170
Podoplanin + CD54	97 ± 155	62 ± 142	62 ± 142	84 ± 144	61 ± 142
Podoplanin + CD56	10 ± 16	6 ± 13	6 ± 13	6 ± 13	6 ± 13
Podoplanin + CD58	28 ± 58	26 ± 58	25 ± 59	34 ± 59	25 ± 59
Podoplanin + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + CD68	36 ± 65	29 ± 66	30 ± 66	32 ± 65	29 ± 66
Podoplanin + CD7	66 ± 105	37 ± 87	39 ± 86	62 ± 96	36 ± 87
Podoplanin + CD8a	18 ± 26	14 ± 25	15 ± 25	18 ± 26	13 ± 26
Podoplanin + CK14	3 ± 6	3 ± 6	3 ± 6	3 ± 6	3 ± 6
Podoplanin + CLA	33 ± 42	19 ± 31	18 ± 31	19 ± 30	18 ± 31
Podoplanin + c-myc	5 ± 6	3 ± 5	3 ± 5	3 ± 5	3 ± 5
Podoplanin + Collagen IV	23 ± 41	18 ± 41	18 ± 41	20 ± 41	18 ± 41
Podoplanin + FXIIIA	7 ± 10	4 ± 8	4 ± 8	5 ± 7	4 ± 8
Podoplanin + HLA-DR	111 ± 148	75 ± 139	76 ± 139	92 ± 136	74 ± 140
Podoplanin + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
Podoplanin + IL-23R	0 ± 0	0 ± 0	0 ± 0	2 ± 5	0 ± 0
Podoplanin + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
Podoplanin + PI	104 ± 164	72 ± 159	73 ± 159	78 ± 156	71 ± 159
Podoplanin + SNA1	43 ± 58	23 ± 41	22 ± 41	28 ± 40	22 ± 41
Podoplanin + STAT3	5 ± 8	3 ± 7	3 ± 7	3 ± 7	3 ± 7
Podoplanin + TIA1	7 ± 8	5 ± 7	5 ± 7	6 ± 7	5 ± 7
Podoplanin + Vimentin	96 ± 144	62 ± 133	64 ± 133	81 ± 132	62 ± 133

Tabelle 825: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von SNA1 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
SNA1 + Aktin	16 ± 15	15 ± 16	14 ± 16	16 ± 15	23 ± 25
SNA1 + BCL2	58 ± 59	28 ± 43	31 ± 41	36 ± 42	30 ± 41
SNA1 + CCR6	113 ± 145	54 ± 79	60 ± 76	84 ± 92	65 ± 76
SNA1 + CD11a	252 ± 205	147 ± 186	161 ± 178	182 ± 180	157 ± 180
SNA1 + CD11b	119 ± 94	99 ± 109	96 ± 111	101 ± 107	107 ± 105
SNA1 + CD120a	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
SNA1 + CD120b	33 ± 37	19 ± 36	22 ± 35	22 ± 36	24 ± 36
SNA1 + CD138	16 ± 38	2 ± 3	2 ± 3	2 ± 3	2 ± 3
SNA1 + CD15	1 ± 1	1 ± 1	1 ± 1	2 ± 3	1 ± 1
SNA1 + CD1a	9 ± 10	7 ± 7	6 ± 7	7 ± 7	6 ± 7
SNA1 + CD2	257 ± 210	157 ± 197	172 ± 189	194 ± 189	180 ± 188
SNA1 + CD207	16 ± 19	10 ± 14	9 ± 14	11 ± 14	9 ± 14
SNA1 + CD24	6 ± 4	5 ± 5	5 ± 5	6 ± 4	5 ± 5
SNA1 + CD28	206 ± 184	111 ± 151	120 ± 146	144 ± 147	127 ± 145
SNA1 + CD29	121 ± 92	78 ± 69	79 ± 68	80 ± 65	92 ± 63
SNA1 + CD3	274 ± 211	165 ± 196	181 ± 186	205 ± 185	187 ± 186
SNA1 + CD31	23 ± 25	20 ± 27	20 ± 27	23 ± 25	33 ± 35
SNA1 + CD4	283 ± 217	175 ± 209	190 ± 199	215 ± 196	197 ± 199
SNA1 + CD44	284 ± 194	173 ± 176	189 ± 164	205 ± 163	190 ± 166
SNA1 + CD45	250 ± 211	141 ± 175	156 ± 167	173 ± 169	150 ± 170
SNA1 + CD45RA	67 ± 46	37 ± 36	37 ± 36	37 ± 36	39 ± 35
SNA1 + CD45RO	174 ± 181	86 ± 141	97 ± 135	121 ± 143	89 ± 139
SNA1 + CD52	188 ± 163	120 ± 169	131 ± 164	142 ± 161	131 ± 164
SNA1 + CD54	238 ± 194	152 ± 170	152 ± 169	176 ± 161	168 ± 162
SNA1 + CD56	14 ± 20	3 ± 5	3 ± 5	3 ± 5	3 ± 5
SNA1 + CD58	56 ± 57	44 ± 62	41 ± 63	48 ± 60	41 ± 63
SNA1 + CD62E	10 ± 20	10 ± 20	10 ± 20	10 ± 20	11 ± 20
SNA1 + CD62P	14 ± 23	14 ± 23	14 ± 23	14 ± 23	17 ± 22
SNA1 + CD68	105 ± 107	72 ± 103	80 ± 98	86 ± 96	82 ± 98
SNA1 + CD7	176 ± 162	97 ± 131	111 ± 127	115 ± 126	108 ± 127
SNA1 + CD8a	65 ± 47	46 ± 51	49 ± 50	49 ± 49	49 ± 50
SNA1 + CK14	22 ± 38	7 ± 13	7 ± 13	8 ± 13	7 ± 13
SNA1 + CLA	79 ± 56	52 ± 55	60 ± 53	54 ± 54	56 ± 53
SNA1 + c-myc	18 ± 25	13 ± 24	13 ± 24	13 ± 24	13 ± 24
SNA1 + Collagen IV	59 ± 44	50 ± 49	52 ± 47	53 ± 47	72 ± 61
SNA1 + FXIIIA	30 ± 15	19 ± 17	21 ± 16	24 ± 15	19 ± 17
SNA1 + HLA-DR	283 ± 184	177 ± 179	192 ± 168	195 ± 166	187 ± 172
SNA1 + IL-22R	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
SNA1 + IL-23R	6 ± 7	3 ± 6	3 ± 6	5 ± 6	7 ± 11
SNA1 + Ki67	1 ± 2	0 ± 0	0 ± 0	0 ± 1	0 ± 0
SNA1 + PI	221 ± 149	148 ± 159	158 ± 151	155 ± 152	161 ± 151
SNA1 + Podoplanin	43 ± 58	23 ± 41	22 ± 41	28 ± 40	22 ± 41
SNA1 + STAT3	6 ± 7	3 ± 4	3 ± 4	3 ± 4	3 ± 4
SNA1 + TIA1	28 ± 28	17 ± 30	17 ± 30	20 ± 29	21 ± 29
SNA1 + Vimentin	188 ± 178	106 ± 144	115 ± 140	131 ± 140	122 ± 139

Tabelle 826: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von STAT3 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
STAT3 + Aktin	6 ± 9	3 ± 4	3 ± 4	3 ± 4	3 ± 4
STAT3 + BCL2	15 ± 38	15 ± 38	15 ± 38	15 ± 38	15 ± 38
STAT3 + CCR6	8 ± 12	3 ± 6	3 ± 6	4 ± 6	3 ± 6
STAT3 + CD11a	9 ± 15	3 ± 5	3 ± 5	3 ± 5	3 ± 5
STAT3 + CD11b	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
STAT3 + CD120a	2 ± 7	2 ± 7	3 ± 7	2 ± 7	2 ± 7
STAT3 + CD120b	1 ± 2	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD138	21 ± 39	15 ± 39	15 ± 39	16 ± 38	15 ± 39
STAT3 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD1a	6 ± 14	6 ± 14	6 ± 14	6 ± 14	6 ± 14
STAT3 + CD2	10 ± 12	5 ± 6	5 ± 6	6 ± 6	5 ± 6
STAT3 + CD207	11 ± 27	11 ± 27	11 ± 27	11 ± 27	11 ± 27
STAT3 + CD24	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + CD28	9 ± 14	4 ± 6	4 ± 6	4 ± 6	4 ± 6
STAT3 + CD29	16 ± 24	12 ± 23	12 ± 23	12 ± 23	12 ± 23
STAT3 + CD3	9 ± 14	3 ± 5	4 ± 5	4 ± 5	3 ± 5
STAT3 + CD31	2 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
STAT3 + CD4	11 ± 16	5 ± 6	5 ± 6	5 ± 6	5 ± 6
STAT3 + CD44	23 ± 40	16 ± 40	16 ± 39	17 ± 39	16 ± 40
STAT3 + CD45	10 ± 16	3 ± 5	3 ± 5	3 ± 5	3 ± 5
STAT3 + CD45RA	5 ± 8	4 ± 8	4 ± 8	4 ± 8	4 ± 8
STAT3 + CD45RO	9 ± 16	3 ± 6	3 ± 6	3 ± 6	3 ± 6
STAT3 + CD52	5 ± 6	4 ± 6	4 ± 6	4 ± 6	4 ± 6
STAT3 + CD54	10 ± 15	4 ± 6	4 ± 6	4 ± 6	4 ± 6
STAT3 + CD56	7 ± 11	3 ± 8	3 ± 8	3 ± 8	3 ± 8
STAT3 + CD58	16 ± 29	14 ± 30	14 ± 30	14 ± 30	14 ± 30
STAT3 + CD62E	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
STAT3 + CD62P	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
STAT3 + CD68	10 ± 12	6 ± 9	6 ± 9	7 ± 9	6 ± 9
STAT3 + CD7	7 ± 9	3 ± 5	3 ± 5	3 ± 5	3 ± 5
STAT3 + CD8a	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
STAT3 + CK14	19 ± 41	17 ± 42	17 ± 42	18 ± 42	17 ± 42
STAT3 + CLA	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
STAT3 + c-myc	20 ± 43	17 ± 44	17 ± 44	17 ± 44	17 ± 44
STAT3 + Collagen IV	2 ± 3	2 ± 3	2 ± 3	2 ± 3	2 ± 3
STAT3 + FXIIIA	4 ± 7	1 ± 4	2 ± 4	1 ± 4	1 ± 4
STAT3 + HLA-DR	23 ± 36	16 ± 35	17 ± 35	17 ± 35	16 ± 35
STAT3 + IL-22R	15 ± 36	15 ± 37	15 ± 37	15 ± 37	15 ± 37
STAT3 + IL-23R	5 ± 10	4 ± 10	4 ± 10	5 ± 10	4 ± 10
STAT3 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
STAT3 + PI	8 ± 10	4 ± 5	4 ± 5	4 ± 5	4 ± 5
STAT3 + Podoplanin	5 ± 8	3 ± 7	3 ± 7	3 ± 7	3 ± 7
STAT3 + SNA1	6 ± 7	3 ± 4	3 ± 4	3 ± 4	3 ± 4
STAT3 + TIA1	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
STAT3 + Vimentin	12 ± 14	6 ± 8	6 ± 8	7 ± 8	6 ± 8

Tabelle 827: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von TIA1 für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
TIA1 + Aktin	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
TIA1 + BCL2	22 ± 30	19 ± 32	19 ± 31	20 ± 31	22 ± 30
TIA1 + CCR6	40 ± 53	33 ± 56	35 ± 55	38 ± 53	42 ± 54
TIA1 + CD11a	107 ± 149	93 ± 157	99 ± 154	102 ± 152	106 ± 152
TIA1 + CD11b	60 ± 108	53 ± 111	53 ± 111	56 ± 110	57 ± 109
TIA1 + CD120a	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD120b	14 ± 31	13 ± 31	13 ± 31	14 ± 31	16 ± 31
TIA1 + CD138	1 ± 2	1 ± 2	1 ± 2	1 ± 2	1 ± 2
TIA1 + CD15	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD1a	0 ± 1	0 ± 1	0 ± 1	0 ± 1	0 ± 1
TIA1 + CD2	110 ± 156	96 ± 164	102 ± 160	105 ± 158	110 ± 158
TIA1 + CD207	1 ± 2	1 ± 2	1 ± 2	2 ± 3	2 ± 4
TIA1 + CD24	1 ± 2	1 ± 2	1 ± 2	2 ± 2	1 ± 2
TIA1 + CD28	84 ± 118	71 ± 124	73 ± 123	80 ± 119	81 ± 120
TIA1 + CD29	12 ± 13	10 ± 14	10 ± 14	11 ± 13	14 ± 15
TIA1 + CD3	107 ± 150	93 ± 158	99 ± 154	103 ± 152	108 ± 152
TIA1 + CD31	4 ± 8	4 ± 8	4 ± 8	4 ± 8	6 ± 9
TIA1 + CD4	100 ± 146	86 ± 153	91 ± 151	96 ± 148	100 ± 148
TIA1 + CD44	95 ± 117	81 ± 125	87 ± 121	90 ± 119	95 ± 120
TIA1 + CD45	101 ± 136	87 ± 144	93 ± 140	96 ± 138	100 ± 139
TIA1 + CD45RA	50 ± 68	42 ± 72	46 ± 70	45 ± 71	53 ± 70
TIA1 + CD45RO	62 ± 95	51 ± 100	51 ± 99	58 ± 96	54 ± 98
TIA1 + CD52	98 ± 147	85 ± 154	89 ± 151	92 ± 150	96 ± 149
TIA1 + CD54	85 ± 115	73 ± 121	73 ± 121	81 ± 117	84 ± 117
TIA1 + CD56	3 ± 5	2 ± 5	2 ± 5	2 ± 5	2 ± 5
TIA1 + CD58	24 ± 45	22 ± 46	22 ± 46	23 ± 45	23 ± 46
TIA1 + CD62E	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD62P	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
TIA1 + CD68	34 ± 70	30 ± 72	33 ± 71	31 ± 71	33 ± 71
TIA1 + CD7	97 ± 143	84 ± 150	91 ± 146	92 ± 145	93 ± 146
TIA1 + CD8a	79 ± 111	70 ± 116	72 ± 115	78 ± 111	82 ± 112
TIA1 + CK14	2 ± 3	1 ± 3	1 ± 3	1 ± 3	1 ± 3
TIA1 + CLA	36 ± 55	34 ± 56	34 ± 56	36 ± 55	43 ± 55
TIA1 + c-myc	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
TIA1 + Collagen IV	6 ± 11	6 ± 11	6 ± 11	6 ± 11	15 ± 24
TIA1 + FXIIIA	5 ± 4	4 ± 5	4 ± 5	4 ± 5	5 ± 5
TIA1 + HLA-DR	85 ± 105	72 ± 113	77 ± 110	77 ± 109	85 ± 108
TIA1 + IL-22R	1 ± 1	1 ± 1	1 ± 1	1 ± 1	1 ± 1
TIA1 + IL-23R	0 ± 1	0 ± 1	0 ± 1	1 ± 1	0 ± 1
TIA1 + Ki67	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 1
TIA1 + PI	98 ± 136	86 ± 143	92 ± 140	89 ± 141	96 ± 138
TIA1 + Podoplanin	7 ± 8	5 ± 7	5 ± 7	6 ± 7	5 ± 7
TIA1 + SNA1	28 ± 28	17 ± 30	17 ± 30	20 ± 29	21 ± 29
TIA1 + STAT3	3 ± 4	2 ± 4	2 ± 4	2 ± 4	2 ± 4
TIA1 + Vimentin	60 ± 108	53 ± 111	56 ± 109	58 ± 109	59 ± 109

Tabelle 828: Mittelwerte und Standardabweichungen der dualen Koexpression (PEN) von Vimentin für die als Non-Responder identifizierten n=2 Patienten (Th17-Zellen)

Epitop	APS	UPS	W02	W06	W12
Vimentin + Aktin	15 ± 15	12 ± 11	10 ± 12	10 ± 12	18 ± 20
Vimentin + BCL2	173 ± 133	108 ± 132	121 ± 124	154 ± 137	132 ± 125
Vimentin + CCR6	266 ± 367	166 ± 327	187 ± 319	291 ± 368	240 ± 341
Vimentin + CD11a	645 ± 768	495 ± 807	537 ± 788	652 ± 784	555 ± 785
Vimentin + CD11b	296 ± 496	286 ± 502	277 ± 507	297 ± 496	339 ± 495
Vimentin + CD120a	25 ± 64	25 ± 64	26 ± 63	26 ± 63	25 ± 64
Vimentin + CD120b	62 ± 122	49 ± 125	52 ± 124	64 ± 125	58 ± 124
Vimentin + CD138	32 ± 49	17 ± 36	17 ± 36	18 ± 36	18 ± 36
Vimentin + CD15	2 ± 3	2 ± 3	2 ± 3	5 ± 7	2 ± 3
Vimentin + CD1a	27 ± 43	28 ± 43	25 ± 44	24 ± 44	24 ± 44
Vimentin + CD2	681 ± 779	532 ± 823	576 ± 800	701 ± 786	649 ± 800
Vimentin + CD207	79 ± 119	76 ± 120	74 ± 121	75 ± 121	78 ± 119
Vimentin + CD24	2 ± 3	1 ± 2	1 ± 2	2 ± 2	2 ± 2
Vimentin + CD28	491 ± 637	360 ± 658	376 ± 651	497 ± 647	418 ± 642
Vimentin + CD29	130 ± 124	84 ± 100	83 ± 100	88 ± 96	125 ± 124
Vimentin + CD3	686 ± 821	529 ± 863	575 ± 842	710 ± 827	641 ± 843
Vimentin + CD31	22 ± 24	20 ± 25	19 ± 25	20 ± 25	33 ± 37
Vimentin + CD4	690 ± 829	534 ± 869	572 ± 851	712 ± 835	646 ± 850
Vimentin + CD44	650 ± 640	496 ± 680	541 ± 657	637 ± 628	605 ± 663
Vimentin + CD45	590 ± 674	434 ± 697	478 ± 679	582 ± 687	511 ± 679
Vimentin + CD45RA	138 ± 184	110 ± 190	114 ± 188	126 ± 187	121 ± 187
Vimentin + CD45RO	413 ± 576	280 ± 582	299 ± 573	426 ± 592	319 ± 569
Vimentin + CD52	465 ± 702	361 ± 726	390 ± 715	458 ± 704	435 ± 714
Vimentin + CD54	490 ± 640	373 ± 645	373 ± 645	493 ± 644	444 ± 632
Vimentin + CD56	18 ± 28	4 ± 8	4 ± 8	6 ± 7	4 ± 8
Vimentin + CD58	126 ± 203	121 ± 206	114 ± 209	131 ± 204	116 ± 208
Vimentin + CD62E	9 ± 17	9 ± 17	9 ± 17	10 ± 17	10 ± 17
Vimentin + CD62P	11 ± 20	11 ± 20	11 ± 20	12 ± 20	13 ± 19
Vimentin + CD68	310 ± 496	266 ± 511	283 ± 503	297 ± 497	278 ± 505
Vimentin + CD7	404 ± 525	292 ± 536	330 ± 525	399 ± 529	335 ± 524
Vimentin + CD8a	172 ± 263	155 ± 270	166 ± 268	180 ± 261	172 ± 268
Vimentin + CK14	82 ± 140	68 ± 143	70 ± 143	71 ± 142	69 ± 143
Vimentin + CLA	219 ± 224	184 ± 240	194 ± 234	200 ± 228	214 ± 230
Vimentin + c-myc	32 ± 56	26 ± 57	26 ± 56	26 ± 57	26 ± 57
Vimentin + Collagen IV	52 ± 71	44 ± 72	44 ± 72	45 ± 72	84 ± 118
Vimentin + FXIIIA	48 ± 38	35 ± 40	34 ± 40	48 ± 41	36 ± 39
Vimentin + HLA-DR	643 ± 635	500 ± 683	536 ± 663	594 ± 629	589 ± 659
Vimentin + IL-22R	34 ± 82	34 ± 82	34 ± 82	34 ± 82	34 ± 82
Vimentin + IL-23R	11 ± 13	8 ± 13	8 ± 13	14 ± 17	9 ± 13
Vimentin + Ki67	7 ± 11	6 ± 12	6 ± 12	6 ± 11	6 ± 12
Vimentin + PI	598 ± 678	478 ± 717	509 ± 700	532 ± 683	561 ± 695
Vimentin + Podoplanin	96 ± 144	62 ± 133	64 ± 133	81 ± 132	62 ± 133
Vimentin + SNA1	188 ± 178	106 ± 144	115 ± 140	131 ± 140	122 ± 139
Vimentin + STAT3	12 ± 14	6 ± 8	6 ± 8	7 ± 8	6 ± 8
Vimentin + TIA1	60 ± 108	53 ± 111	56 ± 109	58 ± 109	59 ± 109