

Protein List

PIXELGEN PROXIOME KIT v2
IMMUNO 155 v2, Human

Product number: PROXIMM0028, PROXIMM00216, PROXIMM00232

Summary: These 155 proteins and 3 controls were selected to enable high-dimensional mapping of immune cell surface architecture using the Proximity Network Assay.

Number	Target	CD antigen	Alternate name	Full Target name	UniProt #
1	CD1a	CD1a		T cell surface glycoprotein CD1a	P06126
2	CD1b	CD1b		T cell surface glycoprotein CD1b	P29016
3	CD1c	CD1c		T cell surface glycoprotein CD1c	P29017
4	CD1d	CD1d		Antigen-presenting glycoprotein CD1d	P15813
5	CD2	CD2		T cell surface antigen CD2	P06729
6	CD3e	CD3e		T cell surface glycoprotein CD3 epsilon chain	P07766
7	CD4	CD4		T cell surface glycoprotein CD4	P01730
8	CD5	CD5		T cell surface glycoprotein CD5	P06127
9	CD6	CD6		T cell differentiation antigen CD6	P30203
10	CD7	CD7		T cell antigen CD7	P09564
11	CD8	CD8		T cell surface glycoprotein CD8 a/b chains	P01732/ P10966
12	CD9	CD9	Tetraspanin-29	CD9 antigen	P21926
13	CD10	CD10	Neprilysin	Neprilysin	P08473
14	CD11a	CD11a	ITGAL/LFA-1 α	Integrin α -L (LFA-1 α)	P20701
15	CD11b	CD11b	ITGAM / Mac-1 α	Integrin α -M (ITGAM)	P11215
16	CD11c	CD11c	Integrin α X	Integrin α -X	P20702
17	CD13	CD13	Aminopeptidase N	Aminopeptidase N	P15144
18	CD14	CD14		Monocyte differentiation antigen CD14	P08571
19	CD16	CD16	Fc γ RIII	Low-affinity immunoglobulin gamma Fc region receptor III-A and -B	P08637/ Q75015
20	CD18	CD18	Integrin β 2	Integrin beta 2	P05107
21	CD19	CD19		B-lymphocyte antigen CD19	P15391
22	CD20	CD20		B-lymphocyte antigen CD20	P11836
23	CD21	CD21	CR2	Complement receptor type 2	P20023
24	CD22	CD22		B-cell receptor CD22	P20273
25	CD24	CD24	HSA	Signal transducer CD24	P25063



Number	Target	CD antigen	Alternate name	Full Target name	UniProt #
26	CD25	CD25	IL-2R α	Interleukin-2 receptor subunit alpha	P01589
27	CD26	CD26	DPP4	Dipeptidyl peptidase 4	P27487
28	CD27	CD27		CD27 antigen	P26842
29	CD28	CD28		T cell-specific surface glycoprotein CD28	P10747
30	CD29	CD29	Integrin β 1	Integrin beta-1	P05556
31	CD31	CD31	PECAM-1	Platelet endothelial cell adhesion molecule	P16284
32	CD32	CD32	Fc γ RII	Low-affinity immunoglobulin gamma Fc region receptor II-b	P31994
33	CD33	CD33	Siglec-3	Myeloid cell surface antigen CD33	P20138
34	CD34	CD34		Hematopoietic progenitor cell antigen CD34	P28906
35	CR1	CD35		Complement receptor type 1	P17927
36	CD36	CD36	FAT / SCARB3	Platelet glycoprotein 4	P16671
37	CD37	CD37	Tetraspanin-26	Leukocyte antigen CD37	P11049
38	CD38	CD38		ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	P28907
39	CD39	CD39	ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1	P49961
40	CD40	CD40		Tumor necrosis factor receptor superfamily member 5	P25942
41	CD41	CD41	Integrin α IIb	Integrin α -IIb	P08514
42	CD43	CD43	Leukosialin	Leukosialin	P16150
43	CD44	CD44		CD44 antigen	P16070
44	CD45	CD45	PTPRC	Receptor-type tyrosine-protein phosphatase C. All 6 isoforms (ABC, AB, BC, B and O)	P08575
45	CD45RA	CD45RA		Receptor-type tyrosine-protein phosphatase C. Isoform (ABC, AB, and A)	P08575
46	CD45RB	CD45RB		Receptor-type tyrosine-protein phosphatase C. Isoform (ABC, AB, BC, and B)	P08575
47	CD45RO	CD45RO		Receptor-type tyrosine-protein phosphatase C. Isoform (ABC, AB, BC, and B)	P08575
48	CD47	CD47	Integrin associated protein	Leukocyte surface antigen CD47	Q08722
49	CD48	CD48	SLAMF2 / BLAST-1	CD48 antigen	P09326
50	CD49d	CD49d	Integrin α 4	Integrin α -4	P13612
51	CD49e	CD49e	Integrin α 5	Integrin α -5	P08648
52	ICAM-3	CD50		Intercellular adhesion molecule 3	P32942
53	CD52	CD52	CAMPATH-1	CAMPATH-1 antigen	P31358
54	CD53	CD53	Tetraspanin-25	Leukocyte surface antigen CD53	P19397
55	ICAM-1	CD54		Intercellular adhesion molecule 1	P05362
56	CD55	CD55	DAF	Complement decay-accelerating factor (DAF)	P08174
57	CD56	CD56	NCAM	Neural cell adhesion molecule 1	P13591
58	CD57	CD57		Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1	Q9P2W7

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Number	Target	CD antigen	Alternate name	Full Target name	UniProt #
59	CD58	CD58	LFA-3	Lymphocyte function-associated antigen 3 (LFA3)	P19256
60	CD59	CD59	Protectin / MAC_IP	CD59 glycoprotein	P13987
61	CD62P	CD62P	P-selectin	P-selectin	P16109
62	CD64	CD64	FcγRI	High affinity immunoglobulin gamma Fc receptor I	P12314
63	CD66b	CD66b	CEACAM8	Cell adhesion molecule CEACAM8	P31997
64	CD69	CD69		Early activation antigen CD69	Q07108
65	CD70	CD70	CD27L	CD70 antigen	P32970
66	CD71	CD71	Transferrin receptor	Transferrin receptor protein 1	P02786
67	CD72	CD72	Lyb-2	B-cell differentiation antigen CD72	P21854
68	CD73	CD73	NT5E	5'-nucleotidase	P21589
69	CD79a	CD79a	MB-1	B-cell antigen receptor complex-associated protein alpha chain	P11912
70	CD80	CD80	B7-1	T-lymphocyte activation antigen CD80	P33681
71	CD81	CD81	Tetraspanin-28	CD81 antigen	P60033
72	CD82	CD82	Tetraspanin-27	CD82 antigen	P27701
73	CD84	CD84	SLAMF5	SLAM family member 5	Q9UIB8
74	LILRB1	CD85j	ILT-2	Leukocyte immunoglobulin-like receptor subfamily B member 1	Q8NHL6
75	CD86	CD86	B7-2	T-lymphocyte activation antigen CD86	P42081
76	CD89	CD89	FCAR / FcαRI	Immunoglobulin alpha Fc receptor	P24071
77	CD90	CD90	Thy-1	Thy-1 membrane glycoprotein	P04216
78	CD93	CD93		Complement component C1q receptor	Q9NPY3
79	CD94	CD94	KLRD1	Natural killer cells antigen CD94	Q13241
80	Fas	CD95		Tumor necrosis factor receptor superfamily member 6	P25445
81	CD98	CD98	4F2, FRP-1	CD98 antigen	P08195
82	ICAM-2	CD102		Intercellular adhesion molecule 2	P13598
83	CD103	CD103	Integrin αE	Integrin alpha-E	P38570
84	c-kit	CD117		Mast/Stem cell growth factor receptor Kit	P10721
85	CD123	CD123	IL-3Rα	Interleukin-3 receptor subunit alpha	P26951
86	CD127	CD127	IL-7Rα	Interleukin-7 receptor subunit alpha	P16871
87	OX40	CD134		Tumor necrosis factor receptor superfamily member 4	P43489
88	4-1BB	CD137		Tumor necrosis factor receptor superfamily member 9	Q07011
89	CD138	CD138	Syndecan 1	Syndecan-1	P18827
90	CD141	CD141	Thrombomodulin / BDCA-3	Thrombomodulin	P07204
91	CD150	CD150	SLAMF1	Signaling lymphocytic activation molecule	Q13291
92	CTLA-4	CD152		Cytotoxic T-lymphocyte protein 4	P16410
93	CD40L	CD154		CD40 ligand	P29965

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Number	Target	CD antigen	Alternate name	Full Target name	UniProt #
94	ADAM10	CD156c		Disintegrin and metalloproteinase domain-containing protein 10	Q14672
95	KIR	CD158		Killer cell immunoglobulin-like receptor 2D (p50.3)	Q8N743
96	KIR2DL1	CD158a		Killer cell immunoglobulin-like receptor 2DL1	P43626
97	KIR2DL2/DL3	CD158b		Killer cell immunoglobulin-like receptor 2D (p50.3)	P43627
98	NKG2A	CD159a		NKG2-A/NKG2-B type II integral membrane protein	P26715
99	NKG2C	CD159c		NKG2-C type II integral membrane protein	P26717
100	CD161	CD161	KLRB1	Killer cell lectin-like receptor subfamily B member 1	Q12918
101	CD162	CD162	SELPLG / PSGL-1	P-selectin glycoprotein ligand 1	Q14242
102	CD163	CD163		Scavenger receptor cysteine-rich type 1 protein M130	Q86VB7
103	CD169	CD169	Siglec-1	Sialoadhesin	Q9BZ72
104	CD180	CD180	RP105	CD180 antigen	Q99467
105	CCR1	CD191		C-C chemokine receptor type 1	P32246
106	CCR2	CD192		C-C chemokine receptor type 2	P41597
107	CCR3	CD193		C-C chemokine receptor type 3	P51677
108	CD200	CD200		OX-2 membrane glycoprotein	P41217
109	CD206	CD206	Mannose receptor	Macrophage mannose receptor 1	P22897
110	DC-SIGN	CD209		CD209 antigen	Q9NNX6
111	DNAM-1	CD226		CD226 antigen	Q15762
112	Ly9	CD229	SLAMF3	T-lymphocyte surface antigen Ly-9	Q9HBG7
113	TALLA	CD231	Tetraspanin-7	Tetraspanin-7	P41732
114	2B4	CD244	SLAMF4	Natural killer cell receptor 2B4	Q9BZW8
115	BAFF-R	CD268		Tumor necrosis factor receptor superfamily member 13C (BAFFR)	Q96RJ3
116	BCMA	CD269		Tumor necrosis factor receptor superfamily member 17	Q02223
117	PD-L2	CD273		Programmed cell death 1 ligand 2 (PDL2)	Q9BQ51
118	PD-L1	CD274		Programmed cell death 1 ligand 1 (PDL1)	Q9NZQ7
119	CD277	CD277	BTN3	Butyrophilin subfamily 3 member A1	Q00481
120	ICOS	CD278		Inducible T cell co-stimulator	Q9Y6W8
121	PD-1	CD279		Programmed cell death protein 1 (PD-1)	Q15116
122	CD298	CD298	ATP1B3	Sodium/potassium-transporting ATPase subunit beta-3	P54709
123	CD302	CD302	CLEC13A	C-type lectin domain family 13 member A	Q8IX05
124	LAIR1	CD305		Leukocyte-associated immunoglobulin-like receptor 1	Q6GTX8
125	NKG2D	CD314	KG2DN	NKG2-D type II integral membrane protein	P26718
126	SLAMF7	CD319	CRACC	SLAM family member 7	Q9NQ25
127	EpCAM	CD326		Epithelial cell adhesion molecule	P16422
128	Siglec-7	CD328		Sialic acid-binding Ig-like lectin 7 (SIGLEC-7)	Q9Y286

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Number	Target	CD antigen	Alternate name	Full Target name	UniProt #
129	NKp46	CD335		Natural cytotoxicity triggering receptor 1 (NKp46)	Q76036
130	NKp30	CD337		Natural cytotoxicity triggering receptor 3 (NKp30)	Q14931
131	SLAMF6	CD352	NTB-A	SLAM family member 6	Q96DU3
132	GITR	CD357		Tumor necrosis factor receptor superfamily member 18	Q9Y5U5
133	TIM-3	CD366	HAVCR2	Hepatitis A virus cellular receptor 2	Q8TDQ0
134	Dectin-1	CD369	CLEC7A	C-type lectin domain family 7 member A	Q9BXN2
135	CD371	CD371	CLEC12A	C-type lectin domain family 12 member A	Q5QGZ9
136	B2M			Beta-2-microglobulin	P61769
137	GPR56		TM7XN1	Adhesion G-protein coupled receptor G1	Q9Y653
138	HLA-ABC			HLA class I histocompatibility antigen	P04439/ P01889/ P10321
139	HLA-DQ			HLA class II histocompatibility antigen, DQ	P01906/ P05538/ P01920/ P01909
140	HLA-DR			HLA class II histocompatibility antigen, DR	P01903/ P01911
141	HLA-DR-DP-DQ			HLA class II histocompatibility antigen	P01903, P20036, P01909
142	IgD			Immunoglobulin delta heavy chain	P0DOX3
143	IgE			Immunoglobulin epsilon heavy chain	P0DOX4
144	IgM			Immunoglobulin mu heavy chain	P0DOX6
145	KLRG1			Killer cell lectin-like receptor subfamily G member 1	Q96E93
146	NKp80		KLRF1	Killer cell lectin-like receptor subfamily F member 1	Q9NZS2
147	Siglec-9	CD329		Sialic acid-binding Ig-like lectin 9	Q9Y336
148	TCRVb5			T cell receptor beta variable 5	*
149	TCRVd2			T cell receptor delta variable 2	A0JD36
150	TCRVg9			T cell receptor gamma variable 9	Q99603
151	TCRab			T cell receptor alpha chain constant/beta constant 1	P01848/ P01850
152	TCRgd			T cell receptor gamma constant 1 /delta constant	P0CF51/ B7Z8K6
153	TCRVa7.2			T cell receptor alpha variable 7	A0A075B6U4
154	TIGIT			T cell immunoreceptor with Ig and ITIM domains	Q495A1
155	VISTA		VSIR	V-type immunoglobulin domain-containing suppressor of T cell activation	Q9H7M9

* This assay recognizes the TCRB part of the T cell receptor complex expressed by the HPB-ALL cell line [carrying V(beta 5.3)] and a small subset of peripheral blood T cells

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CONTROLS

Number	Full Target name
Isotype controls	
1	Mouse IgG1, kappa Isotype Control
2	Mouse IgG2a, kappa Isotype Control
3	Mouse IgG2b, kappa Isotype Control

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