

Protein List

PIXELGEN PROXIOME KIT
IMMUNO 155, Human

Product number: PROXIMM001

Summary: These 155 proteins and 3 controls were chosen to unlock the dynamic protein interactome by Proximity Network Assay.

Number	CD antigen	Alternate name	Protein name	Gene name	UniProt #
1	CD1a		T cell surface glycoprotein CD1a	CD1A	P06126
2	CD1b		T cell surface glycoprotein CD1b	CD1B	P29016
3	CD1c		T cell surface glycoprotein CD1c	CD1C	P29017
4	CD1d		Antigen-presenting glycoprotein CD1d	CD1D	P15813
5	CD2		T cell surface antigen CD2	CD2	P06729
6	CD3e		T cell surface glycoprotein CD3 epsilon chain	CD3E	P07766
7	CD4		T cell surface glycoprotein CD4	CD4	P01730
8	CD5		T cell surface glycoprotein CD5	CD5	P06127
9	CD6		T cell differentiation antigen CD6	CD6	P30203
10	CD7		T cell antigen CD7	CD7	P09564
11	CD8		T cell surface glycoprotein CD8 a/b chains	CD8A/ CD8B	P01732/ P10966
12	CD9		CD9 antigen	CD9	P21926
13	CD10	NEPRILYSIN	Neprilysin	MME	P08473
14	CD11a	ITGAL/ +CD18 LFA-1	Integrin α -L	ITGAL	P20701
15	CD11b	ITGAM	Integrin α -M (ITGAM)	ITGAM	P11215
16	CD11c	ITGAX	Integrin α -X	ITGAX	P20702
17	CD13	ANPEP	Aminopeptidase N	ANPEP	P15144
18	CD14		Monocyte differentiation antigen CD14	CD14	P08571
19	CD16	Fc γ RIII	Low-affinity immunoglobulin gamma Fc region receptor III-A and -B	FCGR3A/ FCGR3B	P08637/ O75015
20	CD18	ITGB2	Integrin beta 2	ITGB2	P05107
21	CD19		B-lymphocyte antigen CD19	CD19	P15391
22	CD20		B-lymphocyte antigen CD20	MS4A1	P11836
23	CD21	CR2	Complement receptor type 2	CR2	P20023
24	CD22		B-cell receptor CD22	CD22	P20273



Number	CD antigen	Alternate name	Protein name	Gene name	UniProt #
25	CD24	HSA	Signal transducer CD24	CD24	P25063
26	CD25	IL2RA	Interleukin-2 receptor subunit alpha	IL2RA	P01589
27	CD26		Dipeptidyl peptidase 4	DPP4	P27487
28	CD27		CD27 antigen	CD27	P26842
29	CD28		T cell-specific surface glycoprotein CD28	CD28	P10747
30	CD29	ITGB1	Integrin beta-1	ITGB1	P05556
31	CD31	PECAM-1	Platelet endothelial cell adhesion molecule	PECAM1	P16284
32	CD32	FcγRII	Low-affinity immunoglobulin gamma Fc region receptor II-b	FCGR2B	P31994
33	CD33	Siglec-3	Myeloid cell surface antigen CD33	CD33	P20138
34	CD34		Hematopoietic progenitor cell antigen CD34	CD34	P28906
35	CD35	CR1	Complement receptor type 1	CR1	P17927
36	CD36	FAT / SCARB3	Platelet glycoprotein 4	CD36	P16671
37	CD37		Leukocyte antigen CD37	CD37	P11049
38	CD38		ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	CD38	P28907
39	CD39	ENTPD1	Ectonucleoside triphosphate diphosphohydrolase 1	ENTPD1	P49961
40	CD40		Tumor necrosis factor receptor superfamily member 5	CD40	P25942
41	CD41	ITGA2B	Integrin α-IIb	ITGA2B	P08514
42	CD43	Leukosialin	Leukosialin	SPN	P16150
43	CD44		CD44 antigen	CD44	P16070
44	CD45	PTPRC	Receptor-type tyrosine-protein phosphatase C. All 6 isoforms (ABC, AB, BC, B and O)	PTPRC	P08575
45	CD45RA		Receptor-type tyrosine-protein phosphatase C. Isoform (ABC, AB, and A)	PTPRC	P08575
46	CD45RB		Receptor-type tyrosine-protein phosphatase C. Isoform (ABC, AB, BC, and B)	PTPRC	P08575
47	CD45RO		Receptor-type tyrosine-protein phosphatase C. Isoform (ABC, AB, BC, and B)	PTPRC	P08575
48	CD47	Integrin associated protein	Leukocyte surface antigen CD47	CD47	Q08722
49	CD48	SLAMF2	CD48 antigen	CD48	P09326
50	CD49D	ITGA4	Integrin α-4	ITGA4	P13612
51	CD49e	ITGA5	Integrin α-5	ITGA5	P08648
52	CD50	ICAM-3	Intercellular adhesion molecule 3	ICAM3	P32942
53	CD52	CAMPATH-1	CAMPATH-1 antigen	CD52	P31358
54	CD53		Leukocyte surface antigen CD53	CD53	P19397
55	CD54	ICAM-1	Intercellular adhesion molecule 1	ICAM1	P05362
56	CD55	DAF	Complement decay-accelerating factor (DAF)	CD55	P08174
57	CD56	NCAM	Neural cell adhesion molecule 1	NCAM1	P13591
58	CD57	B3GAT1	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1	B3GAT1	Q9P2W7
59	CD58	LFA-3	Lymphocyte function-associated antigen 3 (LFA3)	CD58	P19256

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Number	CD antigen	Alternate name	Protein name	Gene name	UniProt #
60	CD59	MAC_IP	CD59 glycoprotein	CD59	P13987
61	CD62P	P-selectin	P-selectin	SELP	P16109
62	CD64	FcγRI	High affinity immunoglobulin gamma Fc receptor I	FCGR1A	P12314
63	CD66b	CEACAM8	Cell adhesion molecule CEACAM8	CEACAM8	P31997
64	CD69		Early activation antigen CD69	CD69	Q07108
65	CD70	CD27L	CD70 antigen	CD70	P32970
66	CD71	TFR1	Transferrin receptor protein 1	TFRC	P02786
67	CD72	Lyb-2	B-cell differentiation antigen CD72	CD72	P21854
68	CD73	NT5E	5'-nucleotidase	NT5E	P21589
69	CD79a	MB-1	B-cell antigen receptor complex-associated protein alpha chain	CD79A	P11912
70	CD80		T-lymphocyte activation antigen CD80	CD80	P33681
71	CD81		CD81 antigen	CD81	P60033
72	CD82		CD82 antigen	CD82	P27701
73	CD84	SLAMF5	SLAM family member 5	CD84	Q9UIB8
74	CD85j	ILT2	Leukocyte immunoglobulin-like receptor subfamily B member 1	LILRB1	Q8NHL6
75	CD86		T-lymphocyte activation antigen CD86	CD86	P42081
76	CD89	FCAR / FcαRI	Immunoglobulin alpha Fc receptor	FCAR	P24071
77	CD90	Thy-1	Thy-1 membrane glycoprotein	THY1	P04216
78	CD93		Complement component C1q receptor	CD93	Q9NPY3
79	CD94		Natural killer cells antigen CD94	KLRD1	Q13241
80	CD95	FAS	Tumor necrosis factor receptor superfamily member 6	FAS	P25445
81	CD102	ICAM-2	Intercellular adhesion molecule 2	ICAM2	P13598
82	CD103	ITGAE	Integrin alpha-E	ITGAE	P38570
83	CD117	KIT	Mast/Stem cell growth factor receptor Kit	KIT	P10721
84	CD123	IL3RA	Interleukin-3 receptor subunit alpha	IL3RA	P26951
85	CD127	IL7R-α	Interleukin-7 receptor subunit alpha	IL7R	P16871
86	CD134	OX40	Tumor necrosis factor receptor superfamily member 4	TNFRSF4	P43489
87	CD137	4-1BB	Tumor necrosis factor receptor superfamily member 9	TNFRSF9	Q07011
88	CD138	Syndecan 1	Syndecan-1	SDC1	P18827
89	CD141	Thrombomodulin	Thrombomodulin	THBD	P07204
90	CD150	SLAMF1	Signaling lymphocytic activation molecule	SLAMF1	Q13291
91	CD152	CTLA-4	Cytotoxic T-lymphocyte protein 4	CTLA4	P16410
92	CD154	CD40L	CD40 ligand	CD40LG	P29965
93	CD156c	ADAM10	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	Q14672
94	CD158		Killer cell immunoglobulin-like receptor 2D (p50.3)	KIR2D*	Q8N743

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Number	CD antigen	Alternate name	Protein name	Gene name	UniProt #
95	CD158a	KIR2DL1	Killer cell immunoglobulin-like receptor 2DL1	KIR2DL1	P43626
96	CD158b	KIR2DL2/DL3	Killer cell immunoglobulin-like receptor 2D (p50.3)	KIR2DL2	P43627
97	CD159a	NKG2A	NKG2-A/NKG2-B type II integral membrane protein	KLRC1	P26715
98	CD159c	NKG2C	NKG2-C type II integral membrane protein	KLRC2	P26717
99	CD161	KLRB1	Killer cell lectin-like receptor subfamily B member 1	KLRB1	Q12918
100	CD162	SELPLG	P-selectin glycoprotein ligand 1	SELPLG	Q14242
101	CD163		Scavenger receptor cysteine-rich type 1 protein M130	CD163	Q86VB7
102	CD169	Siglec-1	Sialoadhesin	SIGLEC1	Q9BZZ2
103	CD180		CD180 antigen	CD180	Q99467
104	CD191	CCR1	C-C chemokine receptor type 1	CCR1	P32246
105	CD192	CCR2	C-C chemokine receptor type 2	CCR2	P41597
106	CD193	CCR3	C-C chemokine receptor type 3	CCR3	P51677
107	CD199	CCR9	C-C chemokine receptor type 9	CCR9	P51686
108	CD200		OX-2 membrane glycoprotein	CD200	P41217
109	CD206	Mannose receptor	Macrophage mannose receptor 1	MRC1	P22897
110	CD209	DC-SIGN	CD209 antigen	CD209	Q9NNX6
111	CD226	DNAM-1	CD226 antigen	CD226	Q15762
112	CD229	LY9 / SLAMF3	T-lymphocyte surface antigen Ly-9	LY9	Q9HBG7
113	CD231	TALLA	Tetraspanin-7	TSPAN7	P41732
114	CD244	2B4 / SLAMF4	Natural killer cell receptor 2B4	CD244	Q9BZW8
115	CD268	BAFF-R	Tumor necrosis factor receptor superfamily member 13C (BAFFR)	TNFRSF13C	Q96RJ3
116	CD269	BCMA	Tumor necrosis factor receptor superfamily member 17	TNFRSF17	Q02223
117	CD273	PD-L2	Programmed cell death 1 ligand 2 (PDL2)	PDCD1LG2	Q9BQ51
118	CD274	PD-L1	Programmed cell death 1 ligand 1 (PDL1)	CD274	Q9NZQ7
119	CD277	BTN3	Butyrophilin subfamily 3 member A1	BTN3A1	Q00481
120	CD278	ICOS	Inducible T cell co-stimulator	ICOS	Q9Y6W8
121	CD279	PD-1	Programmed cell death protein 1 (PD-1)	PDCD1	Q15116
122	CD302		C-type lectin domain family 13 member A	CD302	Q8IX05
123	CD305	LAIR1	Leukocyte-associated immunoglobulin-like receptor 1	LAIR1	Q6GTX8
124	CD314		NKG2-D type II integral membrane protein	KLRK1	P26718
125	CD319	SLAMF7	SLAM family member 7	SLAMF7	Q9NQ25
126	CD326	EpCAM	Epithelial cell adhesion molecule	EPCAM	P16422
127	CD328	Siglec-7	Sialic acid-binding Ig-like lectin 7 (SIGLEC-7)	SIGLEC7	Q9Y286
128	CD335	NKp46	Natural cytotoxicity triggering receptor 1 (NKp46)	NCR1	Q76036

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Number	CD antigen	Alternate name	Protein name	Gene name	UniProt #
129	CD337	NKp30	Natural cytotoxicity triggering receptor 3 (NKp30)	NCR3	Q14931
130	CD352	NTB-A / SLAMF6	SLAM family member 6	SLAMF6	Q96DU3
131	CD357	GITR	Tumor necrosis factor receptor superfamily member 18	TNFRSF18	Q9Y5U5
132	CD366	TIM3	Hepatitis A virus cellular receptor 2	HAVCR2	Q8TDQ0
133	CD369	Dectin-1/ Clec7a	C-type lectin domain family 7 member A	CLEC7A	Q9BXN2
134	CD371	Clec12a	C-type lectin domain family 12 member A	CLEC12A	Q5QGZ9
135	B2M		Beta-2-microglobulin	B2M	P61769
136	CX3CR1		CX3C chemokine receptor 1	CX3CR1	P49238
137	GPR56		Adhesion G-protein coupled receptor G1	ADGRG1	Q9Y653
138	HLA-ABC		HLA class I histocompatibility antigen	HLA-ABC	P04439/ P01889/ P10321
139	HLA-DQ		HLA class II histocompatibility antigen, DQ	HLA-DQ	P01906/ P05538/ P01920/ P01909
140	HLA-DR		HLA class II histocompatibility antigen, DR	HLA-DR	P01903/ P01911
141	HLA-DR-DP-D Q		HLA class II histocompatibility antigen	HLA-DR-DP-D Q	P01903 , P20036 , P01909
142	IgD		Immunoglobulin delta heavy chain	IgD	P0DOX3
143	IgE		Immunoglobulin epsilon heavy chain	IgE	P0DOX4
144	IgM		Immunoglobulin mu heavy chain	IgM	P0DOX6
145	KLRG1		Killer cell lectin-like receptor subfamily G member 1	KLRG1	Q96E93
146	NKp80		Killer cell lectin-like receptor subfamily F member 1	KLRF1	Q9NZS2
147	Siglec-9	CDw329	Sialic acid-binding Ig-like lectin 9	SIGLEC9	Q9Y336
148	TCRVB5	TCR Vβ5	T cell receptor beta variable 5	TCRVb5	*
149	TCRD2	TCR Vδ2	T cell receptor delta variable 2	TRDV2	A0JD36
150	TCRVG9	TCR Vy9	T cell receptor gamma variable 9	TCRVG9	Q99603
151	TCRab		T cell receptor alpha chain constant/beta constant 1	TRAC/ TRBC1	P01848/ P01850
152	TCRgd		T cell receptor gamma constant 1 /delta constant	TRGC1/ TRDC	P0CF51/ B7Z8K6
153	TCRva7.2	TRA,IMD7, TCRA, TCRVα7.2	T cell receptor alpha variable 7	TRAV7	A0A075B6U4
154	TIGIT		T cell immunoreceptor with Ig and ITIM domains	TIGIT	Q495A1
155	VISTA		V-type immunoglobulin domain-containing suppressor of T cell activation	VSIR	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	Protein name	Gene name	UniProt #	CD antigen
Isotype controls				
1	Mouse IgG1, kappa Isotype Control			
2	Mouse IgG2a, kappa Isotype Control			
3	Mouse IgG2b, kappa Isotype Control			

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