CD CHART

FOR IDENTIFICATION OF CELL SURFACE MOLECULES

BECKMAN COULTER
Life Sciences

CD N°	Alternative Name	T Cells	B Cells	Granulocytes	NK Cells	Macrophages/Monocytes	Platelets	Erythrocytes	Stem Cells	Dendritic Cells	Endothelial Cells	Epithelial Cells	Beckman Coulter Clone
CD1a	T6, R4, HTA1	Act								S			●
CD1b	R1	Act								S			
CD1c	R7, M241	Act	S							S			●
CD1d	R3	Act	S			Low				S		Intest	
CD1e	R2									S			
CD2	T11; Tp50; sheep red blood cell (SRBC) receptor; LFA-2		S										●
CD3	T3, CD3 complex												●
CD3d	CD3δ												
CD3e	CD3ε												
CD3g	CD3γ												
CD4	T4	S											●
CD5	T1, Tp67		S / Low										●
CD6	T12, Tp120		S										●
CD7	gp40, Tp41	S			S								●
CD8	T8, LeuT	S			S								●
CD8b	-	S											●
CD9	p24, MRP-1, MIC3, Tspan-29	Act	Act	Low									●
CD10	CALLA, neutral endopeptidase (NEP), gp100												●
CD11a	αL integrin chain; LFA-1, gp180/95			Low									●
CD11b	αM integrin chain, Mac-1, Mo1, CR3, α-chain of C3biR	S	S							Folli			●
CD11c	αX integrin chain, p150,95, CR4	S / Low	S / Low	Low									●
CD11d	integrin αD subunit												
CDw12	p90-120												
CD13	Aminopeptidase N, APN, (EC 3.4.11.2), gp150, ANPEP												●
CD14	LPS receptor		Low	Low									●
CD15	Lewis X (Le-X), 3-fucosyl-N-acetyl-lactosamine (3-FAL)	S / Act	S / Act							S / Act		S	●
CD16	CD16a, FcγRIIIa	S / Act											●
CD16b	FcγRIIIb												●
CD17	LacCer, lactosylceramide		S							Tons			
CD18	β2 integrin chain												●
CD19	B4 , Bgp95									Folli			●
CD20	B1, Bgp35	Low								Folli			●
CD21	CR2, EBV-R, C3d-receptor, gp140	S								Folli		Low	●
CD22	BL-CAM, Siglec2, Bgp135												●
CD23	FcεRII, Blast-2, low affinity IgE receptor, IGEBF, gp50-45		Act							Folli			●
CD24	BA-1, HSA (Heat stable antigen homologue)												●
CD25	IL-2Ra, Tac antigen	S / Act	Act										●
CD26	DPPIV ectoenzyme, ADA-binding protein, Tp103												●
CD27	T14, S152, Tp55, TNFRSF7		Act										●
CD28	Tp44	S											●
CD29	platelet GPIIa, VLA-βchain, Integrin β1 chain			Low									●
CD30	Ki-1 antigen, Ber-H2 antigen, TNFRSF8	Act	Act		Act								●
CD31	PECAM-1, platelet GPIIa', endocam	S	S										●
CD32	FcγRII, FCGR2A, gp40	S / Low											●
CD32b	FCGR2B, IGFR2	S											
CD32c	FCGR2C, IGFR2												
CD33	My9, gp67, p67, Siglec3	S / Act		Low									●
CD34	gp105-120, My10												●
CD35	CR1, C3b/C4b receptor, Immune Adherence Receptor	S			S	S				Folli			●
CD36	platelet GPIV, GPIIIb, OKM5-antigen, PASIV												●
CD37	gp52-40, Tspan-26	Low		Low		Low							●
CD38	T10, gp45, ADP-ribosyl cyclase	Act											●
CD39	gp80, E-ATPDase, NTPDase-1	S / Act	Act										●
CD40	Bp50, TNF receptor 5	S							S	Folli		S	●
CD41	platelet GPIIb, αIIb integrin, HPA3												●
CD42a	platelet GPIX, gp9												●
CD42b	platelet GPIb-α, Glycocalicin												●
CD42c	platelet GPIb-β												
CD42d	platelet GPV												
CD43	leukosialin, sialophorin, gpL115, gp95		Act			S	Low						●
CD44	Pgp-1; gp80-95, Hermes antigen, ECMR-III, HUTCH-I, H-CAM												●
CD44R	CD44v1-10, CD44 variant	Act	Act	Act									
CD45	LCA, T200, B220, EC 3.1.3.4												●
CD45RA	restricted T200	S											●
CD45RB	restricted T200	S		Low									
CD45RC	restricted T200	S											
CD45RO	restricted T200	S											●
CD46	MCP (membrane cofactor protein)												
CD47	IAP, Rh-associated protein, OA3, gp42, MEM-133, CDw149												
CD48	Blast-1, HuLym3,												●
CD49a	integrin α1, VLA-1 αchain	Act											
CD49b	integrin α2, VLA-2 αchain, platelet gpIa	Act											●
CD49c	integrin α3, VLA-3 αchain												
CD49d	integrin α4, VLA-4 αchain												●
CD49e	integrin α5, VLA-5 αchain		Act										●
CD49f	integrin α6, VLA-6 αchain, platelet gpIc												
CD50	ICAM-3 (intercellular adhesion molecule 3)												
CD51	integrin αv, VNR αchain		S			Act	Low						
CD52	Campath-1, HE5										S		●
CD53	MEM-53, tetraspanin-25, Tspan-25												
CD54	ICAM-1 (intercellular adhesion molecule 1)	Act	Act			Low					Low	Low	●
CD55	DAF (Decay accelerating factor)				Low								●
CD56	NCAM (neural cell adhesion molecule), NKH1	S											●
CD57	HNK1	S / Act			S								●
CD58	LFA-3 (lymphocyte function associated antigen-3)												●
CD59	MACIF, MIRL, P-18, HRF20, 1F-5Ag, H19, protectin												●
CD60a	GD3	S	Low										
CD60b	9-O-acetyl-GD3	S	Act										
CD60c	7-O-acetyl-GD3	S											
CD61	GPIIIa, β3 integrin												●
CD62E	E-selectin, ELAM-1, LECAM-2										Act		
CD62L	L-selectin, LAM-1, LECAM-1				S								●
CD62P	P-selectin, GMP140, PADGEM						Act				Act		●
CD63	LIMP, gp-55, PltGp40, LAMP-3, granulophysin		S / Low	Low			Act				Act		●
CD64	FcγRI			Act						S			●
CD64a	FCRI, IGFR1												
CD65	Ceramide-dodecasaccharide 4c												●
CD65s	VIM2, sialylated-CD65												
CD66a	BGP, NCA-160	Act											
CD66b	CGM6, NCA-95, previously CD67												●
CD66c	NCA, NCA50/90, KOR-SA3544												●
CD66d	CGM1												
CD66e	CEA (carcinoembryonic antigen)												
CD66f	PSG (pregnancy-specific glycoprotein), Sp-1												
CD68	gp110	Act							S				●
CD69	AIM (activation-induced molecule), MLR3, EA1	Act											●
CD70	CD27 ligand, KI-24 antigen	Act	Act		Act								
CD71	T9, transferrin receptor												●
CD72	Ly-19.2, Ly32.2									Folli			
CD73	Ecto-5'-nucleotidase	S	S							Folli			●
CD74	MHC class II invariant chain, class II specific chaperone	Act									Act	Act	
CD75	lactosamines	S	S									S	
CD75s	sialylated lactosamines	S	S								S	S	
CD77	Gb3, BLA, CTH, Pk blood group antigen												
CD79a	mb-1 gene product, IGA, Ig-α												●
CD79b	B29 gene product, IGB, Ig-β												●
CD80	BB1, B7-1	Act	Act										●
CD81	TAPA-1, M38			Low									●
CD82	R2, IA4, 4F9, C33	Low	Low										
CD83	HB15	Act	Act										●
CD84	p75, GR6, SLAMF5	S				S							
CD85a	ILT5/LIR3, HL9	S			Low					Low			
CD85b	ILT8, LILRB6	S			S								
CD85c	LIR8												
CD85d	ILT4/LIR2, MIR10			Low						S			●
CD85e	ILT6/LIR4, HM31, HM43												
CD85f	ILT11												
CD85g	ILT7												
CD85h	ILT1/LIR7												
CD85i	LIR6a, LILRA1												
CD85j	ILT2/LIR1, MIR7, LILRB1	S	Low		S								●
CD85k	ILT3/LIR5, HM18												●
CD85l	ILT9												
CD85m	ILT10, LILRA5, LILRP2												
CD86	B7.2, B70		S										●
CD87	uPAR (urokinase plasminogen activator receptor)	S / Act		Low						S			
CD88	C5a-R (complement 5a receptor)												
CD89	FcαR, IgA receptor, IgA Fc receptor												
CD90	Thy-1	S									Act		●
CD91	α2M-R, LRP, LDL receptor												
CD92	VIM15, p70, CHTL1	Low	Low								Low	Low	
CD93	C1qR1, GR11, C1qRP												
CD94	Kp43	S											●
CD95	Fas, APO-1, TNFRSF6, APT1	S	S		S								●
CD96	TACTILE	Act	Low		Act								
CD97	BL-KDD/F12	Act	Act										
CD98	4F2, FRP-1												

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CD99	MIC2 gene product, E2												●
CD99R	restricted CD99												
CD100	SEMA4D (semaphorin 4D)		Low										
CD101	V7, P126	Act											
CD102	ICAM-2 (intercellular adhesion molecule-2)									Folli			
CD103	HML-1 (human mucosal lymphocytes antigen 1), integrin αE chain	S											●
CD104	integrin β4 chain; TSP-1180												
CD105	endoglin					S							●
CD106	VCAM-1 (vascular cell adhesion molecule-1), INCAM-110					S				Folli	Act		●
CD107a	LAMP-1	Act	Act	Act	Act	Act	Act						●
CD107b	LAMP-2	Act	Act	Act	Act	Act	Act						
CD108	JMH human blood group antigen, Sema L, GP1-gp80	Low	Low										
CD109	8A3, E123, platelet activation factor	Act					Act		S			S	●
CD110	TPO-R (thrombopoietin receptor), c-mlp												
CD111	PRR1, nectin1, Hve C1, PVRL1			S					S				
CD112	PRR2, nectin2, Hve B, PVRL2			S					S				
CD113	PRR3 , nectin 3, PVRL3												
CD114	G-CSFR, HG-CSFR, CSF3R												
CD115	M-CSFR, CSF-1R, c-fms												
CD116	GM-CSF receptor αχ-subunit												●
CD117	c-kit, stem cell factor receptor (SCFR)												●
CD118	LIFR (leukemia inhibitory factor receptor)												
CD119	IFNγ receptor αχ-chain, IFNγRI												
CD120a	TNF receptor type 1, TNFR p55												
CD120b	TNF receptor type 2, TNFR p75												
CD121a	IL-1 receptor type I												
CD121b	IL-1 receptor type II			S								S	
CD122	IL-2Rβ												●
CD123	IL-3Rα		S										●
CD124	IL-4Rα	Act	Act										
CD125	IL-5Rα		S	S									
CD126	IL-6Rα												●
CD127	IL-7Rα												●
CD128a	IL-8Rα, CXCR1-> Reassigned CD181	see CD181											
CD128b	IL-8Rβ, CXCR2 -> Reassigned CD182	see CD182											
CD129	IL-9Rα												
CD130	gp130	Low	Act	Low	Low								
CD131	common β-chain												
CD132	common γ-chain, IL-2Rγ												
CD133	PROM1 (prominin-like 1)												●
CD134	OX40, TNFRSF4	Act											●
CD135	FLT3, STK-1												●
CD136	RON, MSP-R (macrophage stimulating protein receptor)												
CD137	4-1BB, ILA (induced by lymphocyte activation), TNFRSF9	Act	Act							Folli			●
CD138	Syndecan-1, heparan sulfate proteoglycan												●
CD139	-							Low		Folli			
CD140a	PDGF Ra (platelet-derived growth factor receptor a)												
CD140b	PDGF Rb (platelet-derived growth factor receptor b)												
CD141	TM (thrombomodulin), fetomodulin, BDCA-3												●
CD142	Tissue factor, thromboplastin, coagulation factor III												
CD143	ACE (angiotensin-converting enzyme), peptidyl dipeptidase A	S				Act							
CD144	VE-cadherin, cadherin-5												●
CDw145	-												
CD146	MUC18, S-Endo, MCAM, Mel-CAM, A32	S / Act								Folli			●
CD147	EMMPRIN (extracellular metalloprotein inducer), M6, basigin												
CD148	HPTP-η, DEP-1, p260												
CD149	Now CD47R	Now CD47R											
CD150	SLAM (signaling lymphocyte activation molecule), IPO-3	S	S										
CD151	PETA-3 (platelet-endothelial tetra-span antigen), SFA-1, Tspan-24												
CD152	CTLA-4 (cytotoxic T lymphocyte antigen)	S / Act	S / Act										●
CD153	CD30 ligand, CD30L	Act				Act							
CD154	CD40 ligand, CD40L, gp39, TRAP, T-BAM	Act			Act		Act						●
CD155	PVR (polio virus receptor), nectin-like 5												
CD156a	ADAM8, MS2												
CD156b	ADAM17, TACE, snake venom like protease CSVP												
CD156c	ADAM10												
CD157	BST-1, Mo5	S	S							Folli			●
CD158a	KIR2DL1, p58.1	S			S								●
CD158b1	KIR2DL2, p58.2	S			S								●
CD158b2	KIR2DL3, p58.3	S			S								●
CD158c	KIR2DS6, KIRX, KIR3DP1	S			S								
CD158d	KIR2DL4, KIR103AS	S			S								
CD158e1	KIR3DL1, p70, NKB1	S			S								●
CD158e2	KIR3DS1, p70	S			S								●
CD158f	KIR2DL5	S			S								●
CD158g	KIR2DS5	S			S								
CD158h	KIR2DS1, p50.1	S			S								
CD158i	KIR2DS4, p50.3	S			S								●
CD158j	KIR2DS2, p50.2	S			S								
CD158k	KIR3DL2, p140	S			S								
CD158z	KIR3DL3, KIR3DL7, KIRC1, KIR44	S											
CD159a	NKG2A, KLRC1	S											●
CD159c	NKG2C, KLRC2												
CD160	BY55, NK1, NK28												●
CD161	NKR-P1A												●
CD162	PSGL-1												
CD162R	PEN5, PSGL1, SELPLG (Selectin P ligand)												
CD163	M130												
CD164	MGC-24, MUC-24	Low	Low										
CD165	AD2, gp37	S / Low											
CD166	ALCAM, KG-CAM	Act				Act							●
CD167a	DDR1, trkE, trk6, RTK6, NTRK4, MCK10, cak, eddr1		Low										
CD167b	DDR2, TKT, MIG20a, NTRKR3, TYRO10												
CD168	RHAMM (receptor for hyaluronan involved in migration and motility)	S / Act	Act						Low				
CD169	SN (sialoadhesin), Siglec-1												
CD170	Siglec-5					S							
CD171	N-CAM (neural cell adheion molecule), L1	S	S										
CD172a	SIRPα (signal regulatory protein αχ), SHPS-1												
CD172b	SIRPβ1 (signal regulatory protein β1)												
CD172g	SIRPβ2 (signal regulatory protein β2), SIRPγ,												
CD173	blood group H2												
CD174	Lewis Y blood group								S				
CD175	Tn antigen								S				
CD175s	Sialyl-Tn												
CD176	TF (Thomsen-Friedenreich antigen)								S				
CD177	NB1, PRV1 (polycythemia vera rubra 1), HNA-2a			S									
CD178	Fas ligand, TNFSF6, APT1LG1, CD95L	Act											
CD179a	Vpre-β, VPREB1 (pre lymphocyte gene 1), IGVPB												
CD179b	Ig Lambda 5, IGLL1												
CD180	RP105, Bgp95		S										●
CD181	CXCR1, IL-8Rα, formerly CD128a	S			Low								
CD182	CXCR2, IL-8Rβ, formerly CD128b	S			Low								
CD183	CXCR3, GPR9 (G protein-coupled receptor 9)	Act			Act								●
CD184	CXCR4, fusin, LESTR, NPY3R	S											●
CD185	CXCR5, BLR1, MDR15												
CD186	CXCR6, BONZO, STRL13	Act											
CD191	CCR1, CKR1								S				
CD192	CCR2, CKR2, MCP-1-R	Act											
CD193	CCR3, CKR3, Eosinophil eotaxin receptor			S / Low									
CD194	CCR4	S			S								
CD195	CCR5, CKR5	S											
CD196	CCR6, CKR6, LARC receptor	S			S					S			●
CD197	CCR7, EBI1, BLR2	S	Act							S			●
CDw198	CCR8, CKRL1, GPRCY6, TER1	S											
CDw199	CCR9, CMKBR9, D6, GPR-9-6	S											
CD200	OX2, MRC	Act	Low							Folli			●
CD201	EPC R, CCCA, CCD41, bA420.4.2										S		
CD202b	TIE2, TEK					S							
CD203c	E-NPP3, NPP3, PDNP3, B10, PD-1β			S									●
CD204	MSR (macrophage scavenger receptor), SRA												
CD205	DEC205, CLEC13B, gp200-MR6, Ly75												
CD206	MMR (macrophage mannose receptor)									S			●
CD207	Langerin, Lag												●
CD208	DC-LAMP									ACT			●
CD209	DC-SIGN												●
CD210a	IL-10RA, IL10R1, CRFB4												
CDw210b	IL-10RB, IL10R2, CRFB4												
CD212	IL-12 receptor β1-chain												
CD213a1	IL-13 receptor α1, NR4												
CD213a2	IL-13 receptor α2												
CD215	IL-15RA												
CD217	IL-17 receptor												
CD218a	IL-18 receptor α												
CD218b	IL-18 receptor β												
CD220	Insulin receptor, INSR												
CD221	IGF1 receptor												
CD222	man-6p, IGF2R, CIMPR, M6P-R												

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CD223	LAG-3 (Lymphocyte activation gene 3)	Act			Act								
CD224	GGT (γ-glutamyl transferase)												
CD225	Leu13, interferon induced transmembrane protein 1 (IFITM1).												
CD226	DNAM-1, PTA-1	Act			Act	Act	Act						
CD227	MUC1, mucin 1, episialin, PUM, PEM, EMA, DF3, H23	Act											
CD228	Melanotransferin (MT), p97												
CD229	Ly9, T-lymphocyte surface antigen												
CD230	Prion protein, PrPc												
CD231	TALLA-1, TM4SF2, A15, MXS1, CCG-B7												
CD232	VESP R, PLXNC1, plexin C1												
CD233	band 3, SLC4A1, AE1, Diego blood group, EPB3												
CD234	Fy-glycoprotein, Duffy blood group antigen, DARC												
CD235a	Glycophorin A, PAS-2												●
CD235b	Glycophorin B, PAS-3												
CD236	Glycophorin C/D												
CD236R	Glycophorin C												
CD238	Kell blood group antigen												
CD239	B-CAM, Lutheran glycoprotein												
CD240	Rh blood group system, Rh30CE												
CD241	RhAG, Rh50												
CD242	ICAM-4, LW blood group												
CD243	MDR-1 (multidrug resistance protein 1), Pgp (P-glycoprotein)												●
CD244	2B4, NAIL, p38	S		S									●
CD245	p220/240	S / Low											
CD246	ALK (anaplastic lymphoma kinase)												
CD247	T-cell receptor ζ-chain , CD3ζ												
CD248	TEM1, Endosialin, CD164L1												
CD249	Aminopeptidase A												
CD252	OX40L, CD134L, TXGP1, TNFSF4												
CD253	TRAIL, APO2L, TNFSF10	Act											
CD254	TRANCE, TNFSF11, RANKL	Act											
CD255	TWEAK, APO3L, DR3-L, TNFSF12												
CD256	APRIL, TNFSF13, TALL2												
CD257	BLyS , BAFF, TALL1 , TNFSF13B												
CD258	LIGHT, TNFSF14									S			
CD261	TRAIL-R1, DR4, TNFRSF10A												
CD262	TRAIL-R2, DR5, TNFRSF10B												
CD263	TRAIL-R3, DcR1, TNFRSF10C												
CD264	TRAIL-R4, DcR2, TNFRSF10D, TRUNDD												
CD265	TRANCE-R, RANK, TNFRSF11A, EOF, FEO, OFE, ODFR, PDB2												
CD266	TWEAK-R, TNFRSF12A, FN14												
CD267	TACI, TNFRSF13B												
CD268	BAFFR, BR3												
CD269	BCMA, BCM, TNFRSF17												
CD270	TNFRSF14, TR2, ATAR, HVEA, HVEM, LIGHTR									S			
CD271	NGFR (p75), LNGFR, NTR, TNFRSF16									Folli			
CD272	BTLA (B and T lymphocyte attenuator)									S			
CD273	PD-L2, B7-DC, PDCD1LG2	Act				Act							
CD274	B7-H1, PD-L1, PDCD1LG1												●
CD275	B7-H2, B7RP-1, ICOS-L, GL50												
CD276	B7-H3	Act	Act		Act	Act				Act			
CD277	BT3.1, BTF5												
CD278	ICOS (inducible costimulator)	Act											●
CD279	PD1, PDC1	Act	Act			Act							●
CD280	Endo180, TEM22, MRC2												
CD281	TLR1 (TOLL-like receptor 1), TIL												
CD282	TLR2 (TOLL-like receptor 2), TIL4												
CD283	TLR3 (TOLL-like receptor 3)												
CD284	TLR4 (TOLL-like receptor 4)												
CD285	TLR5 (TOLL-like receptor 5), TIL3											S	
CD286	TLR6 (TOLL-like receptor 6)												
CD287	TLR7 (TOLL-like receptor 7)									S			
CD288	TLR8 (TOLL-like receptor 8)												
CD289	TLR9 (TOLL-like receptor 9)									Plasm			
CD290	TLR10 (TOLL-like receptor 10)												
CD291	TLR11 (TOLL-like receptor 11)												
CD292	BMPR1A, ALK-3												
CDw293	BMPR1B, ALK-6												
CD294	CRTH2, GPR44, PGRD2, DP2	S											●
CD295	LEPR (leptin receptor), OBR, B219												
CD296	ART1	S											
CD297	ART4, Dombrock blood group					Act						Low	
CD298	Na/K-ATPase β3 subunit												
CD299	DC-SIGN-2, DC-SIGNR, L-SIGN										S		
CD300a	IRP60, CMRF35H9, IRC1, IRC2	S	S	S	S	S							●
CD300c	LIR, CMRF35A1	S	S										
CD300e	CMRF35L1												
CD301	MGL, CLECSF14, CLEC10A, HMGL									S			
CD302	DCL1, BIMLEC, CLEC13A												
CD303	BDCA2, CLECSF11, DLEC, HECL									Plasm			
CD304	BDCA-4, neuropilin-1, VEGF165R	S								Plasm			
CD305	LAIR1 (leucocyte-associated Ig-like receptor 1)												●
CD306	LAIR-2 (leucocyte-associated Ig-like receptor 2)												
CD307	IRTA2, FcRH5, BXMAS1		S										
CD307a	FCRL1, FCRH1, IFGP1, IRTA5												
CD307b	FCRL2, FcRH2, IFGP4, IRTA4, SPAP1												
CD307c	FCRL3, FcRH3, IFGP3, IRTA3, SPAP2												
CD307d	FCRL4, FcRH4, IFGP2, IRTA1												
CD307e	FCRL5												
CD307f	FCRL6												
CD308	VEGFR1 (vascular endothelial growth factor receptor 1), Flt-1												
CD309	VEGFR2 (vascular endothelial growth factor receptor 2), KDR												●
CD310	VEGFR3 (vascular endothelial growth factor receptor 3), Flt-4												
CD311	EMR1												
CD312	EMR2	Act											
CD313	EMR3												
CD314	NKG2D												●
CD315	CD9P1, SMAP6, FPRP		S			Act							
CD316	EWI-2, IgSF8, PGRL												
CD317	BST2 (bone marrow stromal cell antigen 2), HM1.24												
CD318	CDCP-1 (CUB domain-containing protein 1), SIMA135												
CD319	CRACC, SLAMF7	S	Act							S			
CD320	8D6A									Folli			
CD321	JAM-1 (junctional adhesion molecule-1), JAM-A, F-11R												
CD322	JAM-2	S											
CD323	JAM-3, JAM-C, VE-JAM												
CD324	E-Cadherin, cadherin 1, ECAD, CDHE, CDH1, uvomorulin												
CD325	N-Cadherin, Cadherin 2, NCAD, CDHM, CDH2												
CD326	Ep-CAM, EGP40												●
CD327	siglec6, OB-BP1, CD33L	