

anti-Human CD62L Antibody | anti-CD62L antibody

Anti-Hu CD62L PE-Cy7

CATALOG # AAA129237	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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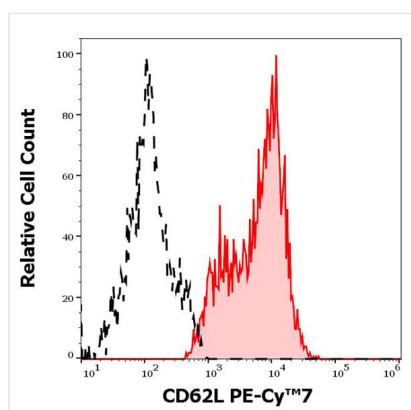
PRODUCT SYNONYMS

CD62L; Anti-Hu CD62L PE-Cy7; selectin L; L-selectin; LSEL; SELL; LAM-1; LECAM1; LEU8; LNHR; LYAM1; PLNHR; anti-CD62L antibody

PRODUCT SPECIFICATIONS

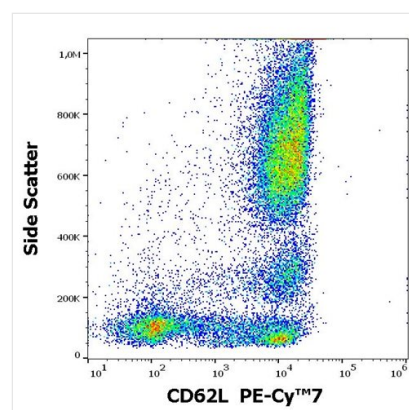
Reactivity	Human
Isotype	Mouse IgG1
Clone Number	DREG56
Specificity	The mouse monoclonal antibody DREG56 recognizes an extracellular epitope of CD62L/L-selectin, a 65-76 kDa cell surface protein, expressed by neutrophils, monocytes, and subsets of T, B, and NK cells, that interacts with specific carbohydrates exposed on activated endothelial cells.
Form/Format	PE-Cy7 Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy7) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffer
Applicable Applications for anti-CD62L antibody	FCM/FACS (Flow Cytometry)
Immunogen	PMA-activated human peripheral blood leukocytes
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human CD62L positive lymphocytes (red-filled) from CD62L negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD62L (DREG56) CD62L PE-CyTM7 antibody (4 ?l reagent / 100 ?l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD62L (DREG56) PE-CyTM7 antibody (4 ?l reagent / 100 ?l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD62L antibody	CD62L (L-selectin) is an adhesion glycoprotein that is constitutively expressed on the cell surface of leukocytes and mediates their homing to inflammatory sites and peripheral lymph nodes by enabling rolling along the venular wall. CD62L is also involved in activation-induced neutrophil aggregation. Activation-dependent CD62L shedding, however, counteracts neutrophil rolling. CD62L has also signaling roles including enhance of chemokine receptor expression. Similarly to CD62P, the major ligand of CD62L is PSGL-1 (P-selectin glycoprotein ligand-1).
References	*Abraham WM, Ahmed A, Sabater JR, Lauredo IT, Botvinnikova Y, Bjercke RJ, Hu X, Revelle BM, Kogan TP, Scott IL, Dixon RA, Yeh ET, Beck PJ: Selectin blockade prevents antigen-induced late bronchial responses and airway hyperresponsiveness in allergic sheep. Am J Respir Crit Care Med. 1999 Apr;159(4 Pt 1):1205-14., URL: https://www.ncbi.nlm.nih.gov/pubmed/10194167,*Xu T, Chen L, Shang X, Cui L, Luo J, Chen C, Ba X, Zeng X: Critical role of Lck in L-selectin signaling induced by sulfatides engagement. J Leukoc Biol. 2008 Oct;84(4):1192-201., URL: https://www.ncbi.nlm.nih.gov/pubmed/18653462,*Killcock DJ, Parsons M, Zarrouk M, Ameer-Beg SM, Ridley AJ, Haskard DO, Zvelebil M, Ivetic A: In Vitro and in Vivo Characterization of Molecular Interactions between Calmodulin, Ezrin/Radixin/Moesin, and L-selectin. J Biol Chem. 2009 Mar 27;284(13):8833-45., URL: https://www.ncbi.nlm.nih.gov/pubmed/19129194,*Tu W, Mao H, Zheng J, Liu Y, Chiu SS, Qin G, Chan PL, Lam KT, Guan J, Zhang L, Guan Y, Yuen KY, Peiris JS, Lau YL: Cytotoxic T lymphocytes established by seasonal human influenza cross-react against 2009 pandemic H1N1 influenza virus. J Virol. 2010 Jul;84(13):6527-35., URL: http://www.ncbi.nlm.nih.gov/pubmed/20410263,*Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995)., URL:,*Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997)., URL:,*Jutila MA, Kurk S, Jackiw L, Knibbs RN, Stoolman LM: L-selectin serves as an E-selectin ligand on cultured human T lymphoblasts. J Immunol. 2002 Aug 15;169(4):1768-73., URL: https://www.ncbi.nlm.nih.gov/pubmed/12165498,*Kishimoto TK, Jutila MA, Butcher EC: Identification of a human peripheral lymph node homing receptor: a rapidly down-regulated adhesion molecule. Proc Natl Acad Sci U S A. 1990 Mar;87(6):2244-8., URL: https://www.ncbi.nlm.nih.gov/pubmed/2179952,*Kishimoto TK, Warnock RA, Jutila MA, Butcher EC, Lane C, Anderson DC, Smith CW: Antibodies against human neutrophil LECAM-1 (LAM-1/Leu-8/DREG-56 antigen) and endothelial cell ELAM-1 inhibit a common CD18-independent adhesion pathway in vitro. Blood. 1991 Aug 1;78(3):805-11., URL: https://www.ncbi.nlm.nih.gov/pubmed/1713515, *Ramachandran V, Williams M, Yago T, Schmidtke DW, McEver RP: Dynamic alterations of membrane tethers stabilize leukocyte rolling on P-selectin. Proc Natl Acad Sci U S A. 2004 Sep 14;101(37):13519-24., URL: https://www.ncbi.nlm.nih.gov/pubmed/15353601?ordin,*Ding Z, Issekutz TB, Downey GP, Waddell TK: L-selectin stimulation enhances functional expression of surface CXCR4 in lymphocytes: implications for cellular activation during adhesion and migration. Blood. 2003 Jun 1;101(11):4245-52., URL: https://www.ncbi.nlm.nih.gov/pubmed/12609846?ordin,*Simon SI, Burns AR, Taylor AD, Gopalan PK, Lynam EB, Sklar LA, Smith CW: L-selectin (CD62L) cross-linking signals neutrophil adhesive functions via the Mac-1 (CD11b/CD18) beta 2-integrin. J Immunol. 1995 Aug 1;155(3):1502-14., URL: https://www.ncbi.nlm.nih.gov/pubmed/7543524?ordina,*von Andrian UH, Chambers JD, Berg EL, Michie SA, Brown DA, Karolak D, Ramezani L, Berger EM, Arfors KE, Butcher EC: L-selectin mediates neutrophil rolling in inflamed venules through sialyl LewisX-dependent and -independent recognition pathways. Blood. 1993 Jul 1;82(1):182-91., URL: https://www.ncbi.nlm.nih.gov/pubmed/7686786?ordina,*Von Andrian UH, Hansell P, Chambers JD, Berger EM, Torres Filho I, Butcher EC, Arfors KE: L-selectin function is required for beta 2-integrin-mediated neutrophil adhesion at physiological shear rates in vivo. Am J Physiol. 1992 Oct;263(4 Pt 2):H1034-44., URL: https://www.ncbi.nlm.nih.gov/pubmed/1384360?ordina,

NCBI AND UNIPROT INFORMATION

NCBI GI #	262206315
NCBI GeneID	6402
NCBI Accession #	NP_000646.2
NCBI GenBank Nucleotide #	NM_000655.4
UniProt Accession #	P14151; P15023; Q9UJ43; B2R6Q8
Molecular Weight	42,187 Da
NCBI Official Full Name	L-selectin
NCBI Official Synonym Full Names	selectin L
NCBI Official Symbol	SELL

NCBI Official Synonym Symbols	TQ1; LAM1; LEU8; LNHR; LSEL; CD62L; LYAM1; PLNHR; LECAM1
NCBI Protein Information	L-selectin; gp90-MEL; pln homing receptor; lymph node homing receptor; lymphocyte adhesion molecule 1; leukocyte surface antigen Leu-8; CD62 antigen-like family member L; leukocyte-endothelial cell adhesion molecule 1
UniProt Protein Name	L-selectin
UniProt Gene Name	SELL
UniProt Synonym Gene Names	LNHR; LYAM1; LAM-1; LECAM1
UniProt Entry Name	LYAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/cd62l/129237>