

Monoclonal Antibody to CD62L / SELL / L-selectin - FITC

Alternate names:	CD62 antigen-like family member L, LAM-1, LECAM1, LNHR, LYAM1, Leu-8, Leukocyte adhesion molecule 1, Leukocyte surface antigen Leu-8, Leukocyte-endothelial cell adhesion molecule 1, Lymph node homing receptor, SELL, TQ1, gp90-MEL
Catalog No.:	AM03090FC-N
Quantity:	100 Tests
Background:	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).
Uniprot ID:	P14151
NCBI:	NP_000646.2
GeneID:	6402
Host / Isotype:	Mouse / IgG1
Clone:	LT-TD180
Immunogen:	Peripheral blood leukocytes
Format:	State: Liquid purified Ig fraction Buffer System: Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent Label: FITC – Conjugated with Fluorescein isothiocyanate
Applications:	Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10e6 cells in a suspension. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with CD62L (L-selectin), a 74-95 kDa single chain type I glycoprotein expressed on most peripheral blood B lymphocytes, T lymphocytes, monocytes and granulocytes; it is also present on a subset of NK cells and certain hematopoietic malignant cells.
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. Von Andrian UH, Hansell P, Chambers JD, Berger EM, Torres Filho I, Butcher EC, et al. 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. PubMed PMID: 1384360.
2. von Andrian UH, Chambers JD, Berg EL, Michie SA, Brown DA, Karolak D, et al. L-selectin mediates neutrophil rolling in inflamed venules through sialyl LewisX-dependent and -independent recognition pathways. *Blood.* 1993 Jul 1;82(1):182-91. PubMed PMID: 7686786.
3. Simon SI, Burns AR, Taylor AD, Gopalan PK, Lynam EB, Sklar LA, et al. 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. PubMed PMID: 7543524.
4. 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. Epub 2003 Feb 27. PubMed PMID: 12609846.
5. 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. Epub 2004 Sep 7. PubMed PMID: 15353601.
6. Kuttruff S, Koch S, Kelp A, Pawelec G, Rammensee HG, Steinle A. Nkp80 defines and stimulates a reactive subset of CD8 T cells. *Blood.* 2009 Jan 8;113(2):358-69. doi: 10.1182/blood-2008-03-145615. Epub 2008 Oct 15. PubMed PMID: 18922855.
7. Linnebacher M, Wienck A, Boeck I, Klar E. Identification of an MSI-H tumor-specific cytotoxic T cell epitope generated by the (-1) frame of U79260(FTO). *J Biomed Biotechnol.* 2010;2010:841451. doi: 10.1155/2010/841451. Epub 2010 Mar 18. PubMed PMID: 20339516.
8. Simone R, Zicca A, Saverino D. The frequency of regulatory CD3+CD8+CD28- CD25+ T lymphocytes in human peripheral blood increases with age. *J Leukoc Biol.* 2008 Dec;84(6):1454-61. doi: 10.1189/jlb.0907627. Epub 2008 Sep 9. PubMed PMID: 18780874.

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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