



## CD62L

**Product:** Anti-human L-Selectin Monoclonal Antibody.

**Description:** CD62L is the equivalent of the mouse MEL-14 with a molecular weight of 80 kDa. CD62L is on 60-75% of peripheral blood lymphocytes, Approximately 70-80% of T cells, 10% of thymocytes and most B cells. CD62L reacts with monocytes, granulocytes and a subset of NK cells. The selectins represent a family of adhesion molecules, expressed by leukocytes and endothelial cells that are involved in the regulation of leukocyte traffic. Human leukocyte L selectin is also called LAM-1, LECAM-1, or gp90MEL-14. This antibody to L selectin blocks greater than 95% of lymphocyte adhesion to peripheral lymph node high endothelial venules.

**Isotype:** Mouse IgG2a kappa

**Clone:** 1H3

**Applications:** Monitoring of T cells in peripheral blood; Study of Cell-adhesion molecules; Study of B cell functions; Study of lymphomas and leukemias.

**Use:** PBMC: Add 10  $\mu$ l of MAB/10<sup>6</sup> PBMC in 100  $\mu$ l PBS. Mix gently and incubate for 15 minutes at 20<sup>o</sup> to 8<sup>o</sup> C. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add 10  $\mu$ l of MAB/100  $\mu$ l of whole blood. Mix gently and incubate for 15 minutes at room temperature (20<sup>o</sup>C). Lyse the whole blood. Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

**Storage:** Unconjugated antibodies supplied as a 1 mg/ml solution PBS and 0.08% sodium azide and should be stored at -20<sup>o</sup>C. Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8<sup>o</sup>C. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information:	Form	Vial Size	Catalog #
	Pure	100 $\mu$ g	0621
	FITC	100 Test	0622
	Biotin	100 Test	0623
	PE	100 Test	0624

### REFERENCES:

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3. Leukocytes roll on a selectin at physiologic flow rates: distinction from and prerequisite for adhesion through integrins. Cell 1991 May 31;65(5):859-73. Lawrence MB; Springer TA
4. Biochemical and immunohistochemical characteristics of CD62 and CD63 monoclonal antibodies. Expression of GMP-140 and LIMP-CD63 (CD63 antigen) in human lymphoid tissues. Virchows Arch B Cell Pathol 1991;61(4):269-77. Metzelaar MJ; Schuurman HJ; Heijnen HF; Sixma JJ; Nieuwenhuis HK
5. CD62/P-selection recognition of myeloid and tumor cell sulfatides. Cell 1991 Oct 4;67(1):35-44. Aruffo A; Kolanus W; Walz G; Fredman P; Seed B
6. Structure and chromosomal location of the gene for endothelial-leukocyte adhesion molecule 1. J Biol Chem 1991 Feb 5;266(4):2466-73. Collins T; Williams A; Johnston GI; Kim J; Eddy R; Shows T; Gimbrone MA Jr; Bevilacqua MP

**For research use only. Not for use in human diagnostics or therapeutics.**

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