Datasheet for ABIN457338

anti-L-Selectin antibody (FITC)

3 Images | 7 Publications

Go to Product page

Overview

Quantity:	100 tests
Target:	L-Selectin (SELL)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This L-Selectin antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	PMA-activated human peripheral blood leukocytes
Clone:	DREG56
Isotype:	IgG1
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.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	L-Selectin (SELL)
Alternative Name:	CD62L (SELL Products)
Background:	Selectin L,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).,L-selectin, LSEL, SELL, LAM-1, LECAM1, LEU8, LNHR, LYAM1, PLNHR
Gene ID:	6402
UniProt:	P14151

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.** Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:

Tu, Mao, Zheng, Liu, Chiu, Qin, Chan, Lam, Guan, Zhang, Guan, Yuen, Peiris, Lau: "Cytotoxic T lymphocytes established by seasonal human influenza cross-react against 2009 pandemic H1N1 influenza virus." in: **Journal of virology**, Vol. 84, Issue 13, pp. 6527-35, (2010) (PubMed).

Killock, Parsons, Zarrouk, Ameer-Beg, Ridley, Haskard, Zvelebil, Ivetic: "In Vitro and in Vivo Characterization of Molecular Interactions between Calmodulin, Ezrin/Radixin/Moesin, and L-selectin." in: **The Journal of biological chemistry**, Vol. 284, Issue 13, pp. 8833-45, (2009) (PubMed).

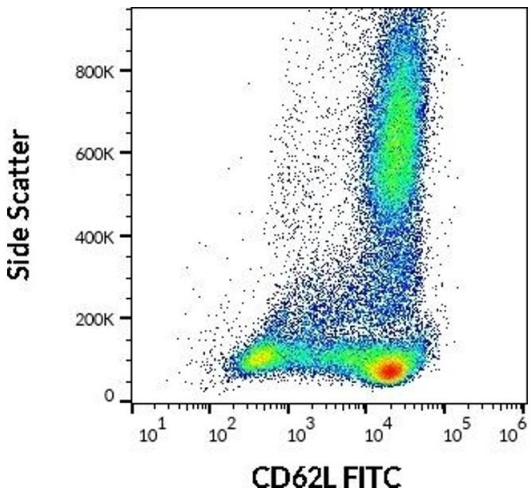
Xu, Chen, Shang, Cui, Luo, Chen, Ba, Zeng: "Critical role of Lck in L-selectin signaling induced by sulfatides engagement." in: **Journal of leukocyte biology**, Vol. 84, Issue 4, pp. 1192-201, (2008) (PubMed).

Jutila, Kurk, Jackiw, Knibbs, Stoolman: "L-selectin serves as an E-selectin ligand on cultured human T lymphoblasts." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 169, Issue 4, pp. 1768-73, (2002) (PubMed).

Abraham, Ahmed, Sabater, Lauredo, Botvinnikova, Bjercke, Hu, Revelle, Kogan, Scott, Dixon, Yeh, Beck: "Selectin blockade prevents antigen-induced late bronchial responses and airway hyperresponsiveness in allergic sheep." in: **American journal of respiratory and critical care medicine**, Vol. 159, Issue 4 Pt 1, pp. 1205-14, (1999) (PubMed).

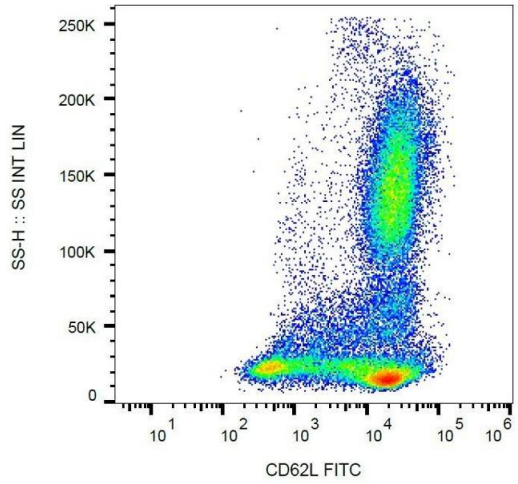
There are more publications referencing this product on: Product page

Images



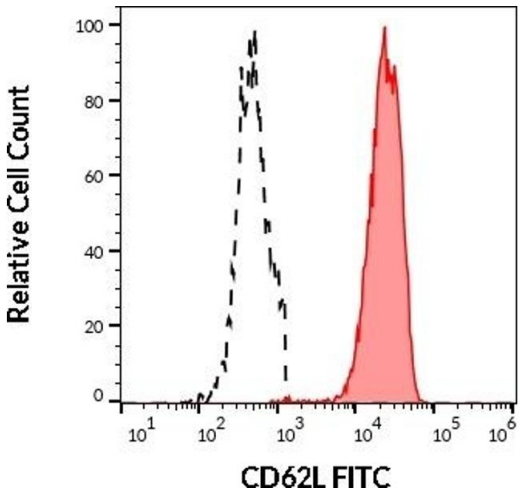
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD62L (DREG56) FITC antibody (20 µL reagent / 100 µL of peripheral whole blood).



Flow Cytometry

Image 2. Surface staining of CD62L in human peripheral blood with anti-CD62L (DREG56) FITC.



Flow Cytometry

Image 3. Separation of human neutrophil granulocytes (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) FITC antibody (20 µL reagent / 100 µL of peripheral whole blood).