

Datasheet: MCA1076F

Description:	MOUSE ANTI HUMAN CD62L:FITC
Specificity:	CD62L
Other names:	LECAM-1, L-SELECTIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	FMC46
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Species Cross Reactivity	Reacts with: Bovine, Cynomolgus monkey, Rhesus Monkey, Dog N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid.		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		
Immunogen	PHA stimulated lymphoblasts		

**External Database
Links**

UniProt:

[P14151](#) [Related reagents](#)

Entrez Gene:

[6402](#) SELL [Related reagents](#)

Synonyms

LNHR, LYAM1

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line

Specificity

Mouse anti Human CD62L antibody, clone FMC46 recognizes human CD62L, also known as L-selectin, a 74-95 kDa member of the selectin family of adhesion receptors, which acts as a ligand for both CD62P (P-selectin) and CD62E (E-selectin). Human CD62L is constitutively expressed on most leucocytes including monocytes, granulocytes, lymphocytes, NK cells, bone marrow myeloid progenitor cells and on a subset of thymocytes.

CD62L plays an important role in leucocyte tethering and rolling on the endothelial cell surface and for the homing of naïve lymphocytes to lymph nodes and Peyer's patches via HEV. Neutrophils require a constant supply of this molecule on the cell surface for migration into peripheral tissues and adhesion to activated endothelium at sites of inflammation, where CD62L is rapidly shed as soluble L-selectin, but surface expression still remains.

The expression of CD62L is down regulated on lymphocytes and neutrophils by PMA stimulation.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood.

References

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4. Yoshino, N. *et al.* (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of cynomolgus monkeys (*Macaca fascicularis*). *Exp Anim.* 49 (2): 97-110.
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13. Aspinall, A.I. et al. (2010) CX(3)CR1 and vascular adhesion protein-1-dependent recruitment of CD16(+) monocytes across human liver sinusoidal endothelium. [Hepatology. 51 \(6\): 2030-9.](#)
14. Rothe, K. et al. (2017) Canine peripheral blood CD4⁺CD8⁺ double-positive Tcell subpopulations exhibit distinct Tcell phenotypes and effector functions. [Vet Immunol Immunopathol. 185: 48-56.](#)
15. Withers, S.S. et al. (2018) Multi-color flow cytometry for evaluating age-related changes in memory lymphocyte subsets in dogs. [Dev Comp Immunol. 87: 64-74.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:FITC \(MCA691F\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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