

## Datasheet: MCA1076PE

**BATCH NUMBER 154349**

<b>Description:</b>	MOUSE ANTI HUMAN CD62L:RPE
<b>Specificity:</b>	CD62L
<b>Other names:</b>	LECAM-1, L-SELECTIN
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	FMC46
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	100 TESTS

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product 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 product 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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

#### Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

#### Reconstitution

Reconstitute with 1 ml distilled water.

#### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

#### Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture

supernatant.

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin
	5% Sucrose

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<b>Immunogen</b>	PHA stimulated lymphoblasts
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P14151</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">6402</a> SELL <a href="#">Related reagents</a>

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<b>Synonyms</b>	LNHR, LYAM1
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<b>RRID</b>	AB_321523
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<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line
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<b>Specificity</b>	<p><b>Mouse anti Human CD62L antibody, clone FMC46</b> 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.</p> <p>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.</p> <p>The expression of CD62L is down regulated on lymphocytes and neutrophils by PMA stimulation.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $10^6$ cells or 100ul whole blood.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Pilarski, L.M. <i>et al.</i> (1991) FMC46, a cell protrusion-associated leukocyte adhesion molecule-1 epitope on human lymphocytes and thymocytes. <a href="#">J Immunol. 147 (1): 136-43.</a></li><li>2. Zola, H. <i>et al.</i> (1991) The expression of sub-population markers on B cells: a re-evaluation using high-sensitivity fluorescence flow cytometry. <a href="#">Dis Markers. 9 (2): 103-18.</a></li></ol>
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**Storage**

Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #20487 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA1076PE>  
20487

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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:RPE \(MCA691PE\)](#)

### Recommended Useful Reagents

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

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

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