

Datasheet: MCA883PE

Description:	MOUSE ANTI HUMAN CD62E/CD62P:RPE
Specificity:	CD62E/CD62P
Other names:	E-SELECTIN/P-SELECTIN
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	1.2B6
Isotype:	IgG1
Quantity:	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.

	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: Pig

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 1.0 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
RPE 561nm laser	546	578	

Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 5% Sucrose
Immunogen	Human E-Selectin (ELAM-1).
External Database Links	<p>UniProt:</p> <p>P16581 Related reagents</p> <p>P16109 Related reagents</p> <p>Entrez Gene:</p> <p>6401 SELE Related reagents</p> <p>6403 SELP Related reagents</p>
Synonyms	ELAM1, GMRP, GRMP
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Specificity	<p>Mouse anti Human CD62E/CD62P antibody, clone 1.2B6 recognizes the human CD62E and CD62P cell surface antigens.</p> <p>Although initially thought to recognize only human CD62E, more recent data (Goda <i>et al.</i> 2003) shows that Mouse anti Human CD62E/CD62P antibody, clone 1.2B6 also recognizes human CD62P, binding to a common epitope shared by these members of the selectin family.</p> <p>Clone 1.2B6 reacts with porcine E-selectin (CD62E) but not with porcine P-selectin (Stocker <i>et al.</i> 2000).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1 x 10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Thornhill, M.H. & Haskard, D.O. (1990) IL-4 regulates endothelial cell activation by IL-1, tumor necrosis factor, or IFN-gamma. J Immunol. 145 (3): 865-72. 2. Keelan, E.T. <i>et al.</i> (1994) Characterization of E-selectin expression <i>in vivo</i> with use of a radiolabeled monoclonal antibody. Am J Physiol. 266 (1 Pt 2): H278-90. 3. Kyan-Aung, U. <i>et al.</i> (1991) Endothelial leukocyte adhesion molecule-1 and intercellular adhesion molecule-1 mediate the adhesion of eosinophils to endothelial cells <i>in vitro</i> and are expressed by endothelium in allergic cutaneous inflammation <i>in vivo</i>. J Immunol. 146 (2): 521-8. 4. Gómez del Moral, M. <i>et al.</i> (1999) African swine fever virus infection induces tumor necrosis factor alpha production: implications in pathogenesis. J Virol. 73: 2173-80.

5. Goda, K. *et al.* (1999) Characterization of an apparently conserved epitope in E- and P-selectin identified by dual-specific monoclonal antibodies. [Eur J Immunol. 29 \(5\): 1551-60.](#)
6. Stocker, C.J. *et al.* (2000) TNF-alpha, IL-4, and IFN-gamma regulate differential expression of P- and E-selectin expression by porcine aortic endothelial cells. [J Immunol. 164: 3309-15.](#)
7. Vallée, I. *et al.* (2001) African swine fever virus infection of porcine aortic endothelial cells leads to inhibition of inflammatory responses, activation of the thrombotic state, and apoptosis. [J Virol. 75: 10372-82.](#)
8. Rathod, K.S. *et al.* (2017) Accelerated resolution of inflammation underlies sex differences in inflammatory responses in humans. [J Clin Invest. 127 \(1\): 169-82.](#)
9. Urquhart, P. *et al.* (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. [J Pharmacol Exp Ther 321: 656-62.](#)

Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C.</p> <p>DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA883PE</p> <p>20487</p>
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Recommended Useful Reagents

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

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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