

Datasheet: MCA883FT

Description:	MOUSE ANTI HUMAN CD62E/CD62P:FITC
Specificity:	CD62E/CD62P
Other names:	E-SELECTIN/P-SELECTIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	1.2B6
Isotype:	IgG1
Quantity:	25 µg

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.		
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 A from tissue culture supernatant.		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		
Immunogen	Human E-Selectin (ELAM-1).		

**External Database
Links**

UniProt:

[P16581](#) [Related reagents](#)
[P16109](#) [Related reagents](#)

Entrez Gene:

[6401](#) SELE [Related reagents](#)
[6403](#) SELP [Related reagents](#)

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

Mouse anti Human CD62E/CD62P antibody, clone 1.2B6 recognizes the human CD62E and CD62P cell surface antigens.

Although initially thought to recognize only human CD62E, more recent data ([Goda *et al.* 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.

Clone 1.2B6 reacts with porcine E-selectin (CD62E) but not with porcine P-selectin ([Stocker *et al.* 2000](#)).

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

References

1. Wellicome, S.M. *et al.* (1990) A monoclonal antibody that detects a novel antigen on endothelial cells that is induced by tumor necrosis factor, IL-1, or lipopolysaccharide. [J Immunol. 144 \(7\): 2558-65.](#)
2. 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.](#)
3. Kyan-Aung, U. *et al.* (1991) Endothelial leukocyte adhesion molecule-1 and intercellular adhesion molecule-1 mediate the adhesion of eosinophils to endothelial cells *in vitro* and are expressed by endothelium in allergic cutaneous inflammation *in vivo*. [J Immunol. 146 \(2\): 521-8.](#)
4. Keelan, E.T. *et al.* (1994) Characterization of E-selectin expression in vivo with use of a radiolabeled monoclonal antibody. [Am J Physiol. 266 \(1 Pt 2\): H278-90.](#)
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. Urquhart, P. *et al.* (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. [J Pharmacol Exp Ther 321: 656-662.](#)
7. Gómez del Moral, M. *et al.* (1999) African swine fever virus infection induces tumor necrosis factor alpha production: implications in pathogenesis. [J Virol. 73: 2173-80.](#)
8. Burton, V.J. *et al.* (2011) Bone morphogenetic protein receptor II regulates pulmonary artery endothelial cell barrier function. [Blood. 117: 333-41.](#)
9. 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.](#)
10. 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.](#)
11. Rathod, K.S. *et al.* (2017) Accelerated resolution of inflammation underlies sex differences in inflammatory responses in humans. [J Clin Invest. 127 \(1\): 169-182.](#)

Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. 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>
Shelf Life	18 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 available at:</p> <p>10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

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

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

North & South America	<p>Tel: +1 800 265 7376</p> <p>Fax: +1 919 878 3751</p> <p>Email: antibody_sales_us@bio-rad.com</p>	Worldwide	<p>Tel: +44 (0)1865 852 700</p> <p>Fax: +44 (0)1865 852 739</p> <p>Email: antibody_sales_uk@bio-rad.com</p>	Europe	<p>Tel: +49 (0) 89 8090 95 21</p> <p>Fax: +49 (0) 89 8090 95 50</p> <p>Email: antibody_sales_de@bio-rad.com</p>
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Printed on 05 May 2018