

Datasheet: MCA883F

BATCH NUMBER 1602

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:	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: 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 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	<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
RRID	AB_321519
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. Wellicome, S.M. <i>et al.</i> (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. <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. 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. 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.](#)
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. 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

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA883F>
10041

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

Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M369086:200529'

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