

# Datasheet: MCA883F

**BATCH NUMBER 1711**

<b>Description:</b>	MOUSE ANTI HUMAN CD62E/CD62P:FITC
<b>Specificity:</b>	CD62E/CD62P
<b>Other names:</b>	E-SELECTIN/P-SELECTIN
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	1.2B6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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 <b>N.B.</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	<table><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr><tr><td>FITC</td><td>490</td><td>525</td></tr></table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525		
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><b>UniProt:</b></p> <p><a href="#">P16581</a>   <a href="#">Related reagents</a></p> <p><a href="#">P16109</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">6401</a>   SELE   <a href="#">Related reagents</a></p> <p><a href="#">6403</a>   SELP   <a href="#">Related reagents</a></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><b>Mouse anti Human CD62E/CD62P antibody, clone 1.2B6</b> recognizes the human CD62E and CD62P cell surface antigens.</p> <p>Although initially thought to recognize only human CD62E, more recent data (<a href="#">Goda <i>et al.</i> 2003</a>) 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 (<a href="#">Stocker <i>et al.</i> 2000</a>).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1 x 10 <sup>6</sup> cells in 100ul.
References	<ol style="list-style-type: none"> <li>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. <a href="#">J Immunol. 144 (7): 2558-65.</a></li> <li>2. Thornhill, M.H. &amp; Haskard, D.O. (1990) IL-4 regulates endothelial cell activation by IL-1, tumor necrosis factor, or IFN-gamma. <a href="#">J Immunol. 145 (3): 865-72.</a></li> <li>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>. <a href="#">J Immunol. 146 (2): 521-8.</a></li> </ol>

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](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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'M369086:200529'

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