

Datasheet: MCA883T

Description:	MOUSE ANTI HUMAN CD62E/CD62P
Specificity:	CD62E/CD62P
Other names:	E-SELECTIN/P-SELECTIN
Format:	Purified
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	■			10ug/ml
Immunohistology - Frozen (1)	■			1ug/ml - 10ug/ml
Immunohistology - Paraffin		■		
ELISA	■			10ug/ml
Immunoprecipitation	■			
Western Blotting (2)	■			

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.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

(2)Clone 1.2B6 recognizes human CD62E/CD62P only under non-reducing conditions.

Target Species	Human
Species Cross Reactivity	Reacts with: Pig N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
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

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 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 <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. Clone 1.2B6 reacts with porcine E-selectin (CD62E) but not with porcine P-selectin (Stocker <i>et al.</i> 2000).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
Histology Positive Control Tissue	Human Tonsil
References	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. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. J Pharmacol Exp Ther 321: 656-662. 7. 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.

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

Store at +4°C or at -20°C if preferred.
This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
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