Datasheet: MCA883FT

BATCH NUMBER 1112R

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. 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	**UniProt:** P16581 Related reagents P16109 Related reagents **Entrez Gene:** 6401 SELE Related reagents 6403 SELP Related reagents
Synonyms	ELAM1, GMRP, GRMP
RRID	AB_1102250
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 x 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. 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/MCA883FT 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)

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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
'M369087:200529'

Printed on 18 Jan 2024