Datasheet: MCA883A647

Description:	MOUSE ANTI HUMAN CD62E/CD62P:Alexa Fluor® 647
Specificity:	CD62E/CD62P
Other names:	E-SELECTIN/P-SELECTIN
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	1.2B6
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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 Alexa Fluor 647 - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
Alexa Fluor®647	650	665

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 (NaN_3) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.05 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 x 10^6 cells in 100ul
References	1. 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. 2. 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. 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. 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. 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. 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.
7. 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.
8. Urquhart, P. *et al*. (2007) Carbon monoxide-releasing molecules modulate leukocyte-endothelial interactions under flow. J Pharmacol Exp Ther 321: 656-62.

Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
Guarantee	12 months from date of despatch
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA883A647 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 (MCA928A647)

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

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