

Datasheet: MCA883PE

BATCH NUMBER 150094

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| Description: | MOUSE ANTI HUMAN CD62E/CD62P:RPE |
| Specificity: | CD62E/CD62P |
| Other names: | E-SELECTIN/P-SELECTIN |
| Format: | RPE |
| Product Type: | Monoclonal Antibody |
| Clone: | 1.2B6 |
| Isotype: | IgG1 |
| Quantity: | 100 TESTS |

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 R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution

| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|-----------|-----------------|---------------------|-------------------|
| | RPE 488nm laser | 496 | 578 |

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| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
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| Buffer Solution | Phosphate buffered saline |
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| Preservative | 0.09% Sodium Azide (NaN ₃) |
| Stabilisers | 1% Bovine Serum Albumin 5% Sucrose |

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| Immunogen | Human E-Selectin (ELAM-1). |
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| External Database Links | UniProt: P16581 Related reagents P16109 Related reagents Entrez Gene: 6401 SELE Related reagents 6403 SELP Related reagents |
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| Synonyms | ELAM1, GMRP, GRMP |
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| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line. |
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| 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> |
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| Flow Cytometry | Use 10ul of the suggested working dilution to label 1 x 10 ⁶ cells in 100ul |
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| 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.](#)

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| Storage | Prior to reconstitution store at +4°C. After reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. 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 #10075 available at: https://www.bio-rad-antibodies.com/SDS/MCA883PE 10075 |
| Regulatory | For research purposes only |

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

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](https://www.bio-rad-antibodies.com/datasheets)

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