

Datasheet: MCA2418PE

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|----------------------|----------------------------|
| Description: | MOUSE ANTI HUMAN CD62P:RPE |
| Specificity: | CD62P |
| Other names: | P-SELECTIN |
| Format: | RPE |
| Product Type: | Monoclonal Antibody |
| Clone: | Psel.KO.2.5 |
| 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, Sheep N.B. Antibody reactivity and working conditions may vary between species. | | |
| Product Form | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized | | |
| Reconstitution | Reconstitute with 1.0 ml distilled water | | |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | RPE 488nm laser | 496 | 578 |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative | 0.09% Sodium Azide | | |
| Stabilisers | 1% Bovine Serum Albumin 5% Sucrose | | |
| Immunogen | CD62P transfected 300.19 cells. | | |

**External Database
Links**

UniProt:

[P16109](#) [Related reagents](#)

Entrez Gene:

[6403](#) SELP [Related reagents](#)

Synonyms

GMRP, GRMP

Fusion Partners

Spleen cells from immunised CD62P knock-out mice (strain C57/B6) were fused with cells of the NS-1 myeloma cell line.

Specificity

Mouse anti Human CD62P antibody, clone Psel.KO.2.5 recognizes the CD62P cell surface antigen, a ~140 kDa glycoprotein, also known as P-selectin.

CD62P is expressed by activated platelets and endothelial cells, and plays an important role in adhesive processes between leucocytes and endothelial cells.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Massaguer, A. *et al.* (2000) Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P). [Tissue Antigens. 56 \(2\): 117-28.](#)
2. Massaguer, A. *et al.* (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). [Vet Immunol Immunopathol. 96 \(3-4\): 169-81.](#)
3. Krajewski, S. *et al.* (2012) Flow cytometry analysis of porcine platelets: optimized methods for best results. [Platelets. 23: 386-94.](#)
4. Johnson, C.A. Jr *et al.* (2011) Platelet activation in ovines undergoing sham surgery or implant of the second generation PediaFlow pediatric ventricular assist device. [Artif Organs. 35 \(6\): 602-13.](#)
5. Tunjungputri, R.N. *et al.* (2016) Invasive pneumococcal disease leads to activation and hyperreactivity of platelets. [Thromb Res. 144: 123-126.](#)
6. Shankarraman, V. *et al.* (2014) Biocompatibility Assessment of the CentriMag-Novalung Adult ECMO Circuit in a Model of Acute Pulmonary Hypertension. [ASAIO J. 60 \(4\): 429-35.](#)
7. Chan, C.H.H. *et al.* (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. [Artif Organs. 41 \(10\): 934-947.](#)
8. Johnson, C.A. Jr. *et al.* (2011) Platelet activation in ovines undergoing sham surgery or implant of the second generation PediaFlow pediatric ventricular assist device. [Artif Organs. 35 \(6\): 602-13.](#)

Further Reading

1. Piriou-Guzylack, L. & Salmon, H. (2008) Membrane markers of the immune cells in swine: an update. [Vet Res. 39 \(6\): 54.](#)

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. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet documentation #10075 available at:
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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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