

Datasheet: MCA2419PE

BATCH NUMBER 0315

| | |
|----------------------|----------------------------|
| Description: | MOUSE ANTI HUMAN CD62P:RPE |
| Specificity: | CD62P |
| Other names: | P-SELECTIN |
| Format: | RPE |
| Product Type: | Monoclonal Antibody |
| Clone: | Psel.KO.2.7 |
| 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 - 1/5 |

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: Mouse, Horse, Bovine, Rat, Goat, Cat, Sheep

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

Max Ex/Em

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

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture

supernatant

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin
5% Sucrose

Immunogen P-selectin transfected 300.19 cells.

External Database Links

UniProt:

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

[P42201](#) [Related reagents](#)

[P98106](#) [Related reagents](#)

Entrez Gene:

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

[281486](#) SELP [Related reagents](#)

[25651](#) Selp [Related reagents](#)

Synonyms GMRP, GRMP

RRID AB_609601

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, clone Psel.KO.2.7**, recognizes human P-Selectin. CD62P is a ~140 kDa surface antigen 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 10^6 cells in 100ul.

References

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4. Johnson, C.A. Jr *et al.* (2011) Platelet activation after implantation of the Levitronix PediVAS in the ovine model. [ASAIO J. 57 \(6\): 516-21.](#)
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6. Shirasuna, K. *et al.* (2012) Rapid accumulation of polymorphonuclear neutrophils in the Corpus luteum during prostaglandin F(2 α)-induced luteolysis in the cow. [PLoS One. 7:](#)

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9. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). [Vet Immunol Immunopathol. 164 \(1-2\): 87-92.](#)
10. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). [Vet Immunol Immunopathol. 164 \(1-2\): 87-92.](#)
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12. Acar, D.D. *et al.* (2016) Upregulation of endothelial cell adhesion molecules characterizes veins close to granulomatous infiltrates in the renal cortex of cats with feline infectious peritonitis and is indirectly triggered by feline infectious peritonitis virus-infected monocytes in vitro. [J Gen Virol. 97 \(10\): 2633-2642.](#)
13. ChanC, H.H. *et al.* (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. [Artif Organs. 41 \(10\): 934-947.](#)
14. Theuerkauf, K. *et al.* (2022) Activated platelets and platelet-leukocyte aggregates in the equine systemic inflammatory response syndrome. [J Vet Diagn Invest. 10406387221077969.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2419PE>
20487

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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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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