

Datasheet: MCA2419A488

Description:	MOUSE ANTI HUMAN CD62P:Alexa Fluor® 488
Specificity:	CD62P
Other names:	P-SELECTIN
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	Psel.KO.2.7
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 - 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 Alexa Fluor® 488 - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
Alexa Fluor®488	495	519

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 0.05 mg/ml
Immunogen	P-selectin transfected 300.19 cells.
External Database Links	<p>UniProt:</p> <p>P16109 Related reagents</p> <p>P42201 Related reagents</p> <p>P98106 Related reagents</p> <p>Entrez Gene:</p> <p>6403 SELP Related reagents</p> <p>281486 SELP Related reagents</p> <p>25651 Selp Related reagents</p>
Synonyms	GMRP, GRMP
RRID	AB_566869
Fusion Partners	Spleen cells from immunized 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	<ol style="list-style-type: none"> 1. Massaguer, A. <i>et al.</i> (2002) Reactivity of CD62P workshop mAbs with resting and activated platelets from different animal species. In: Leucocyte Typing VII. Edited by Mason, D. <i>et al.</i> Oxford University Press, pp 342-3. 2. Johnson, C.A. Jr <i>et al.</i> (2008) Flow cytometric assays for quantifying activated ovine platelets. Artif Organs. 32 (2): 136-45. 3. Johnson, C.A. Jr <i>et al.</i> (2011) Biocompatibility assessment of the first generation PediaFlow pediatric ventricular assist device. Artif Organs. 35 (1): 9-21. 4. Johnson, C.A. Jr <i>et al.</i> (2011) Platelet activation after implantation of the Levitronix PediVAS in the ovine model. ASAIO J. 57 (6): 516-21. 5. Johnson, C.A. Jr. <i>et al.</i> (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. 6. Shirasuna, K. <i>et al.</i> (2012) Rapid accumulation of polymorphonuclear neutrophils in the Corpus luteum during prostaglandin F(2α)-induced luteolysis in the cow. PLoS One. 7: e29054. 7. Trichler, S.A. <i>et al.</i> (2013) Ultra-pure platelet isolation from canine whole blood. BMC

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14. Theuerkauf, K. *et al.* (2022) Activated platelets and platelet-leukocyte aggregates in the equine systemic inflammatory response syndrome. [J Vet Diagn Invest. 10406387221077969.](#)

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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

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Health And Safety Information

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2419A488>

10041

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA928A488\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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