

Datasheet: MCA2418A488

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.2.5
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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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 Alexa Fluor® 488 - liquid								
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>Alexa Fluor®488</td> <td>495</td> <td>519</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Alexa Fluor®488	495	519		
Fluorophore	Excitation Max (nm)	Emission Max (nm)							
Alexa Fluor®488	495	519							
Preparation	Purified IgG prepared by affinity chromatography on Protein G 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	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	<p>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.</p> <p>CD62P is expressed by activated platelets and endothelial cells, and plays an important role in adhesive processes between leucocytes and endothelial cells.</p>
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> (2000) Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P). Tissue Antigens. 56 (2): 117-28. 2. Massaguer, A. <i>et al.</i> (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). Vet Immunol Immunopathol. 96 (3-4): 169-81. 3. Krajewski, S. <i>et al.</i> (2012) Flow cytometry analysis of porcine platelets: optimized methods for best results. Platelets. 23: 386-94. 4. 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. 5. Tunjungputri, R.N. <i>et al.</i> (2016) Invasive pneumococcal disease leads to activation and hyperreactivity of platelets. Thromb Res. 144: 123-126. 6. Shankarraman, V. <i>et al.</i> (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. <i>et al.</i> (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. Artif Organs. 41 (10): 934-947. 8. 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.
Further Reading	<ol style="list-style-type: none"> 1. Piriou-Guzylack, L. & Salmon, H. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39 (6): 54.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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 despatch.
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Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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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