

## Datasheet: MCA2418A488

<b>Description:</b>	MOUSE ANTI HUMAN CD62P:Alexa Fluor® 488
<b>Specificity:</b>	CD62P
<b>Other names:</b>	P-SELECTIN
<b>Format:</b>	ALEXA FLUOR® 488
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	Psel.KO.2.5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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. 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 G from tissue culture supernatant

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml
<b>Immunogen</b>	CD62P transfected 300.19 cells.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P16109</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6403</a>    SELP    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	GMRP, GRMP
<b>RRID</b>	AB_2270049
<b>Fusion Partners</b>	Spleen cells from immunised CD62P knock-out mice (strain C57/B6) were fused with cells of the NS-1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD62P antibody, clone Psel.KO.2.5</b> 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>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Massaguer, A. <i>et al.</i> (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). <a href="#">Vet Immunol Immunopathol. 96 (3-4): 169-81.</a></li> <li>2. 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. <a href="#">Artif Organs. 35 (6): 602-13.</a></li> <li>3. Krajewski, S. <i>et al.</i> (2012) Flow cytometry analysis of porcine platelets: optimized methods for best results. <a href="#">Platelets. 23: 386-94.</a></li> <li>4. Shankaraman, V. <i>et al.</i> (2014) Biocompatibility Assessment of the CentriMag-Novalung Adult ECMO Circuit in a Model of Acute Pulmonary Hypertension. <a href="#">ASAIO J. 60 (4): 429-35.</a></li> <li>5. Tunjungputri, R.N. <i>et al.</i> (2016) Invasive pneumococcal disease leads to activation and hyperreactivity of platelets. <a href="#">Thromb Res. 144: 123-6.</a></li> <li>6. Chan, C.H.H. <i>et al.</i> (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. <a href="#">Artif Organs. 41 (10): 934-47.</a></li> <li>7. Batchinsky, A.I. <i>et al.</i> (2023) Intravenous Autologous Bone-Marrow-derived Mesenchymal Stromal Cells Delay Acute Respiratory Distress Syndrome in Swine. <a href="#">Am J</a></li> </ol>

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

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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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2418A488>  
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**Regulatory** For research purposes only

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## 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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