

## Datasheet: MCA2418PB

<b>Description:</b>	MOUSE ANTI HUMAN CD62P:Pacific Blue®
<b>Specificity:</b>	CD62P
<b>Other names:</b>	P-SELECTIN
<b>Format:</b>	Pacific Blue®
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	Psel.KO.2.5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat

Where this product 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 product 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 Pacific Blue - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Pacific Blue®	410	455

### Preparation

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

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 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>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. Shankarraman, 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 Respir Crit Care Med. Oct 05 [Epub ahead of print].</a></li> </ol>
<b>Further Reading</b>	1. Piriou-Guzylack, L. & Salmon, H. (2008) Membrane markers of the immune cells in swine: an update. <a href="#">Vet Res. 39 (6): 54.</a>

<b>Storage</b>	<p>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.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<p>This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a></p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2418PB">https://www.bio-rad-antibodies.com/SDS/MCA2418PB</a></p> <p>10041</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Pacific Blue® \(MCA928PB\)](#)

### Recommended Useful Reagents

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

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
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