

Datasheet: MCA2420

**BATCH NUMBER 166485**

<b>Description:</b>	MOUSE ANTI HUMAN CD62P
<b>Specificity:</b>	CD62P
<b>Other names:</b>	P-SELECTIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	Psel.KO.2.12
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 mg

## 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	▪			1/50 - 1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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: Goat, Rat, 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 - liquid

### Preparation

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

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.09% Sodium Azide
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<b>Carrier Free</b>	Yes
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	CD62P transfected 300.19 cells.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P16109</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">6403</a> SELP <a href="#">Related reagents</a>
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<b>Synonyms</b>	GMRP, GRMP
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<b>RRID</b>	AB_566867
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<b>Fusion Partners</b>	Spleen cells from immunized CD62P knock-out mice (Strain C57/B6) were fused with cells of the NS-1 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human CD62P antibody, clone Psel.KO.2.12</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> <p>Mouse anti Human CD62P antibody, clone Psel.KO.2.12 inhibits P-selectin-dependent adhesion between HL60 cells and P-selectin transfected COS cells (<a href="#">Massaquer <i>et al.</i> 2000</a>).</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Massaquer, 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.</li><li>2. Dasse, K.A. <i>et al.</i> (2007) Assessment of hydraulic performance and biocompatibility of a MagLev centrifugal pump system designed for pediatric cardiac or cardiopulmonary support. <a href="#">ASAIO J. 53 (6): 771-7.</a></li><li>3. Johnson, C.A. Jr. <i>et al.</i> (2008) Flow cytometric assays for quantifying activated ovine platelets. <a href="#">Artif Organs. 32: 136-45.</a></li><li>4. Tran GT <i>et al.</i> (2010) Membrane attack complex of complement is not essential for</li></ol>
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immune mediated demyelination in experimental autoimmune neuritis. [J Neuroimmunol. 229 \(1-2\): 98-106.](#)

5. Major, T.C. *et al.* (2010) The attenuation of platelet and monocyte activation in a rabbit model of extracorporeal circulation by a nitric oxide releasing polymer. [Biomaterials. 31: 2736-45.](#)

6. Johnson, C.A. Jr. *et al.* (2011) Biocompatibility assessment of the first generation PediaFlow pediatric ventricular assist device. [Artif Organs. 35 \(1\): 9-21.](#)

7. Johnson, C.A. Jr. *et al.* (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.](#)

8. Foruzanmehr, M. *et al.* (2014) Nano-structure TiO<sub>2</sub> film coating on 316L stainless steel via sol-gel technique for blood compatibility improvement. [Nanomedicine Journal 1 \(3\): 128-36.](#)

9. Ding, J. *et al.* (2015) Quantification of Shear-Induced Platelet Activation: High Shear Stresses for Short Exposure Time. [Artif Organs. 39 \(7\): 576-83.](#)

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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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2420>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<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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