

Datasheet: MCA2420

BATCH NUMBER 166485

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

	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	<p>Reacts with: Goat, Rat, Sheep</p> <p>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.</p>
Product Form	Purified IgG - liquid
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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	CD62P transfected 300.19 cells.
External Database Links	UniProt: P16109 Related reagents Entrez Gene: 6403 SELP Related reagents
Synonyms	GMRP, GRMP
RRID	AB_566867
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	<p>Mouse anti Human CD62P antibody, clone Psel.KO.2.12 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 (Massaguer et al. 2000).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 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. 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. ASAIO J. 53 (6): 771-7.3. Johnson, C.A. Jr. <i>et al.</i> (2008) Flow cytometric assays for quantifying activated ovine platelets. Artif Organs. 32: 136-45.4. Tran GT <i>et al.</i> (2010) Membrane attack complex of complement is not essential for

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 TiO₂ 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.](#)

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.
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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 10040
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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)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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

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