Datasheet: MCA2418

BATCH NUMBER 153585

Description:	MOUSE ANTI HUMAN CD62P
Specificity:	CD62P
Other names:	P-SELECTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	Psel.KO.2.5
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	▪			Neat - 1/50
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: 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 - 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_2238947
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	**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. CD62P is expressed by activated platelets and endothelial cells, and plays an important role in adhesive processes between leucocytes and endothelial cells.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Massaguer, A. *et al.* (2000) Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P). Tissue Antigens. 56 (2): 117-28. 2. Massaguer, A. *et al.* (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). Vet Immunol Immunopathol. 96 (3-4): 169-81. 3. Krajewski, S. *et al.* (2012) Flow cytometry analysis of porcine platelets: optimized methods for best results. Platelets. 23: 386-94. 4. 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. 5. Tunjungputri, R.N. *et al.* (2016) Invasive pneumococcal disease leads to activation and hyperreactivity of platelets. Thromb Res. 144: 123-6. 6. Shankarraman, V. *et al.* (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. *et al.* (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. Artif Organs. 41 (10): 934-47.
8. 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.

Further Reading	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. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2418 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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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