Datasheet: MCA2419PET

BATCH NUMBER INN1702

Description:	MOUSE ANTI HUMAN CD62P:RPE
Specificity:	CD62P
Other names:	P-SELECTIN
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	Psel.KO.2.7
Isotype:	IgG1
Quantity:	25 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/5

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: Mouse, Horse, Bovine, Rat, Goat, Cat, 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 R. Phycoerythrin (RPE) - lyophilised

Reconstitution

Reconstitute with 0.25 ml distilled water

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

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 1% Bovine Serum Albumin 5% Sucrose
Immunogen	P-selectin transfected 300.19 cells.
External Database Links	**UniProt:** P16109 Related reagents P42201 Related reagents P98106 Related reagents **Entrez Gene:** 6403 SELP Related reagents 281486 SELP Related reagents 25651 Selp Related reagents
Synonyms	GMRP, GRMP
RRID	AB_2259857
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, clone Psel.KO.2.7,** recognizes human P-Selectin. CD62P is a ~140 kDa surface antigen 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. Massaguer, A. *et al*. (2002) Reactivity of CD62P workshop mAbs with resting and activated platelets from different animal species. In: Leucocyte Typing VII. Edited by Mason, D. *et al*. Oxford University Press, pp 342-3. 4. Shirasuna, K. *et al.* (2012) Rapid accumulation of polymorphonuclear neutrophils in the Corpus luteum during prostaglandin F(2α)-induced luteolysis in the cow. PLoS One. 7: e29054. 5. 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: 602-13. 6. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and

CD41/61) in horses with recurrent airway obstruction (RAO). Vet Immunol Immunopathol. 164 (1-2): 87-92.
7. Johnson, C.A. Jr *et al.* (2008) Flow cytometric assays for quantifying activated ovine platelets. Artif Organs. 32 (2): 136-45.
8. Johnson, C.A. Jr *et al.* (2011) Biocompatibility assessment of the first generation PediaFlow pediatric ventricular assist device. Artif Organs. 35 (1): 9-21.
9. Johnson, C.A. Jr *et al.* (2011) Platelet activation after implantation of the Levitronix PediVAS in the ovine model. ASAIO J. 57 (6): 516-21.
10. 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.
11. Trichler, S.A. *et al.* (2013) Ultra-pure platelet isolation from canine whole blood. BMC Vet Res. 9: 144.
12. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). Vet Immunol Immunopathol. 164 (1-2): 87-92.
13. 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.
14. ChanC, H.H. *et al.* (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. Artif Organs. 41 (10): 934-947.

Storage	Prior to reconstitution store at +4°C. After reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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 #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA2419PET 20487
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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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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