

Datasheet: MCA2418SBV610

Description:	MOUSE ANTI HUMAN CD62P:StarBright Violet 610
Specificity:	CD62P
Other names:	P-SELECTIN
Format:	StarBright Violet 610
Product Type:	Monoclonal Antibody
Clone:	Psel.KO.2.5
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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

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 StarBright Violet 610 - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
StarBright Violet 610	403	607

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 (NaN ₃) 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20
Immunogen	CD62P transfected 300.19 cells.
External Database Links	UniProt: P16109 Related reagents Entrez Gene: 6403 SELP Related reagents
Synonyms	GMRP, GRMP
RRID	AB_2943395
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 5µl of the suggested working dilution to label 10 ⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
References	<ol style="list-style-type: none"> 1. Massaguer, A. <i>et al.</i> (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). Vet Immunol Immunopathol. 96 (3-4): 169-81. 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. Artif Organs. 35 (6): 602-13. 3. Krajewski, S. <i>et al.</i> (2012) Flow cytometry analysis of porcine platelets: optimized methods for best results. Platelets. 23: 386-94. 4. Shankaraman, V. <i>et al.</i> (2014) Biocompatibility Assessment of the CentriMag-Novalung Adult ECMO Circuit in a Model of Acute Pulmonary Hypertension. ASAIO J. 60 (4): 429-35. 5. Tunjungputri, R.N. <i>et al.</i> (2016) Invasive pneumococcal disease leads to activation and hyperreactivity of platelets. Thromb Res. 144: 123-6. 6. Chan, C.H.H. <i>et al.</i> (2017) Shear Stress-Induced Total Blood Trauma in Multiple Species. Artif Organs. 41 (10): 934-47. 7. Batchinsky, A.I. <i>et al.</i> (2023) Intravenous Autologous Bone-Marrow-derived Mesenchymal Stromal Cells Delay Acute Respiratory Distress Syndrome in Swine. Am J Respir Crit Care Med. Oct 05 [Epub ahead of print].

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. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA2418SBV610 20471
Regulatory	For research purposes only

Related Products

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](https://www.bio-rad-antibodies.com/datasheets)
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