

Monoclonal Antibody to CD62P / P-Selectin - PE

Alternate names:	CD62 antigen-like family member P, GMP-140, GMRP, GRMP, Granule membrane protein 140, LECAM3, Leukocyte-endothelial cell adhesion molecule 3, PADGEM, SELP
Catalog No.:	SM2261R
Quantity:	100 Tests
Concentration:	approx. 0.1 mg/ml
Background:	CD62P (P-selectin) is an adhesion glycoprotein that is expressed on platelets and endothelial cells upon their activation. Interaction between CD62P and its mucin-like ligand PSGL-1 (P-selectin glycoprotein ligand-1) expressed on the microvilli of most leukocytes supports leukocyte rolling along postkapillary venules at the earliest time of inflammation. Both CD62P and PSGL-1 are extended glycoproteins that form homodimers. CD62P dimerization is probably mediated through interactions of the transmembrane domains and stabilizes leukocyte tethering and rolling, probably by increasing rebinding within a bond cluster
Uniprot ID:	P16109
NCBI:	NP_002996.2
GeneID:	6403
Host / Isotype:	Mouse / IgG1
Clone:	Psel.KO.2.7
Immunogen:	P-selectin transfected 300.19 cells.
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) <i>Absorption / Emission:</i> 488nm / 575nm Reconstitution: Reconstitute with 1.0 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of Neat-1/5 diluted antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD62P cell surface antigen, a 140kD glycoprotein also known as P-Selectin. Species: Human, Sheep, Horse, Bovine, Goat, Cat, Rat and Mouse. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store the antibody undiluted Prior to and After reconstitution at 2-8°C.

DO NOT FREEZE!

This product is photosensitive and should be protected from light.

Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf life: One year from despatch.

General References:

1. Massaguer, A. et al. (2000) Production and characterization of monoclonal antibodies against conserved epitopes of P-selectin (CD62P). *Tissue antigens* 56: 117-128.
2. Massaguer, A. et al. (2003) Characterization of platelet and soluble-porcine P-selectin (CD62P). *Vet. Immunol. Immunopathol.* 96: 169-181.
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 342-343.

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