

## Product datasheet for **SM1150A**

### CD62P (SELP) Mouse Monoclonal Antibody [Clone ID: AK-6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AK-6
Applications:	FC, IHC, WB
Recommended Dilution:	<b>Western Blot.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/10-1/100 diluted antibody to label 1 <sup>0</sup> cells in 100 µl. <b>Immunohistochemistry on Frozen Sections:</b> 1/1000-1/5000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/500-1/2000. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections but staining may be enhanced using Sodium Citrate buffer pH6.0. <i>Recommended Positive Control Tissue:</i> Tonsil.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human platelet membrane glycoproteins.
Specificity:	This antibody recognises the CD62P glycoprotein, a 140kD molecule expressed by activated platelets and endothelial cells.
Formulation:	PBS, pH 7.4 without preservatives State: Azide Free State: Liquid purified IgG fraction Stabilizer: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C Only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	selectin P



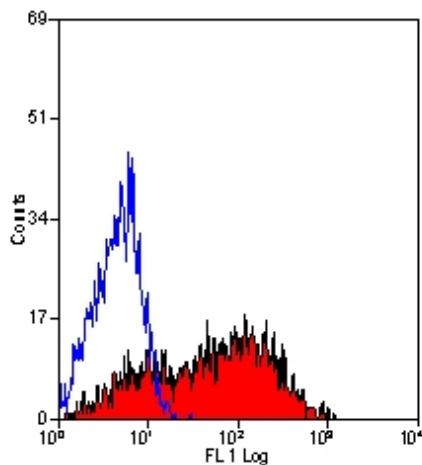
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Database Link: [Entrez Gene 6403 Human P16109](#)

**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. The antigen is expressed in the surface of activated platelets and also on endothelial cells both of blood and lymph vessels.

**Synonyms:** SELP, GMRP, GRMP, PADGEM, GMP-140, LECAM3

### Product images:



Flow Cytometry: CD62P antibody staining of Thrombin activated Human platelets.