

Product datasheet for **SM1150PS**

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:	Western blotting. Flow Cytometry: Use 10 µl of 1/10-1/100 diluted antibody to label 1 ⁰ cells in 100 µl. Immunohistochemistry on Frozen Sections: 1/1000-1/5000. Immunohistochemistry on Paraffin Embedded Sections: 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 pH 6.0. <i>Recommended Positive Control Tissue:</i> Tonsil.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human platelet membrane glycoproteins.
Specificity:	This antibody recognizes CD62P. It reacts with a 140 kDa antigen expressed on activated platelets and also on endothelial cells both of blood and lymph vessels.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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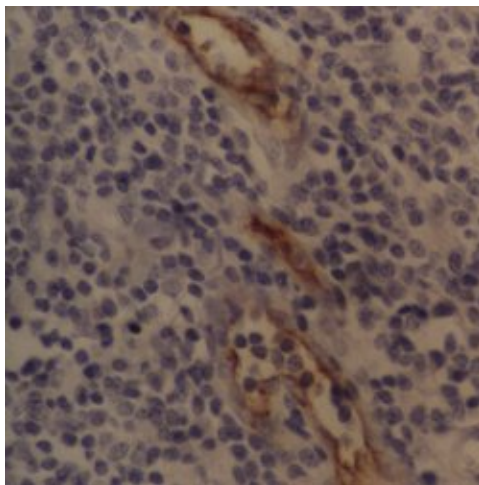
Gene Name: selectin P

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

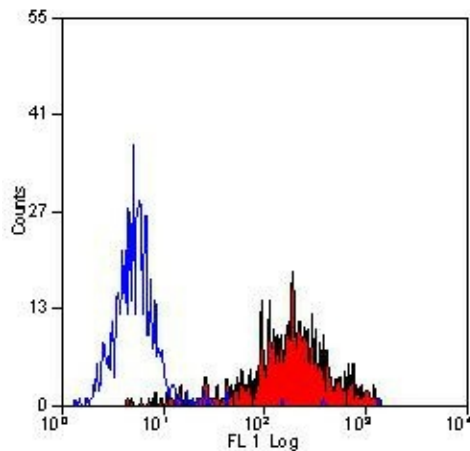
Background: CD62P (P-Selectin) is an adhesion glycoprotein that is expressed on platelets and endothelial cells upon their activation. Interaction between CD62P and its mucin-like ligand PSGL-1 (P-selectin glycoprotein ligand-1) expressed on the microvilli of most leukocytes supports leukocyte rolling 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.

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

Product images:



Staining of Human tonsil showing capillary endothelium. Formalin fixed, Paraffin processed tissue with Mouse ant-Human CD62P Antibody.



Staining of Human peripheral blood platelets with anti-Human CD62P Antibody