

Product datasheet for **AM26020BT-N**

CD62P (SELP) Mouse Monoclonal Antibody [Clone ID: AK4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AK4
Applications:	FC
Recommended Dilution:	Flow cytometry: Recommended dilution: 2-5 µg/ml.
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human platelets
Specificity:	This antibody recognizes CD62P (P-selectin), a 140 kD single chain type I transmembrane glycoprotein present in secretory alpha-granules in platelets, in Weibel-Palade bodies in endothelial cells and in megakaryocytes; it is relocated to the plasma membrane upon activation.
Formulation:	Phosphate buffered saline (PBS) Label: Biotin State: Liquid ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	selectin P
Database Link:	Entrez Gene 6403 Human P16109



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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