

Product datasheet for **AM26020LE-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	AK4
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:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography; > 95% pure (by SDS-PAGE)
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.
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