

## Product datasheet for **SM2261PT**

### CD62P (SELP) Mouse Monoclonal Antibody [Clone ID: Psel.KO.2.7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Psel.KO.2.7
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/25-1/50 diluted antibody to label 1 <sup>0</sup> cells in 100 µl. <b>Immunohistology on Frozen Sections:</b> 1/200 (See Reference 1).
Reactivity:	Bovine, Equine, Feline, Goat, Human, Mouse, Rat, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	P-selectin transfected 300.19 cells.
Specificity:	This antibody recognises the CD62P cell surface antigen.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant
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.
Gene Name:	selectin P
Database Link:	<a href="#">Entrez Gene 6403 Human P16109</a>



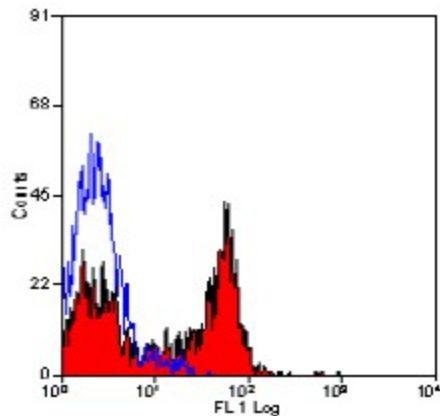
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**Background:**

CD62P is a 140 kD glycoprotein expressed by activated platelets and endothelial cells. It plays an important role in adhesive processes between leucocytes and endothelial cells. CD62P is a member of the small selectin family of cellular adhesion molecules, which also includes CD62E and CD62L. Its structure, similar to the other members of the selectin family, consists of an N terminal lectin like domain of C type, followed by an epidermal growth factor like motif, a series of short consensus repeats, a transmembrane domain, and a cytoplasmic tail. The CD62P antigen is a 140 kDa glycoprotein, located in the alpha granules and the dense granules of platelets and endothelial cells. Activation of these cells results in rapid mobilization of CD62P from the storage granules to the cell surface. Activated platelets have a stable CD62P expression, while the endothelial cells lose CD62P expression within 1 h of activation, because of endocytosis of the molecule. CD62P is also expressed on megakaryocytes, but resting platelets and endothelial cells show no surface staining of CD62P.

**Synonyms:**

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

**Product images:**

Staining of thrombin activated human platelets with antibody.