

## Immunotag™ P-Selectin Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5593
Product Description	Immunotag™ P-Selectin Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	P-Selectin
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from P-selectin at AA range: 81-130
Specificity	P-Selectin Polyclonal Antibody detects endogenous levels of P-Selectin protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SELP
Accession No.	P16109 Q01102 P98106
Alternate Names	SELP; GMRP; GRMP; P-selectin; CD62 antigen-like family member P; Granule membrane protein 140; GMP-140; Leukocyte-endothelial cell adhesion molecule 3; LECAM3; Platelet activation dependent granule-external membrane protein; PADGEM; CD62P

## Antibody Specification

Description	selectin P(SELP) Homo sapiens This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Cell adhesion molecules (CAMs),
Protein Expression	Blood,Placenta,Platelet,
Subcellular Localization	extracellular space,nucleoplasm,cytoplasm,plasma membrane,integral component of plasma membrane,external side of plasma membrane,membrane,integral component of membrane,platelet dense granule membrane,platelet alpha granule membrane,
Protein Function	disease:Defects in SELP may be a cause of susceptibility to ischemic stroke [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.,function:Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1.,online information:P-selectin,similarity:Belongs to the selectin/LECAM family.,similarity:Contains 1 C-type lectin domain.,similarity:Contains 1 EGF-like domain.,similarity:Contains 9 Sushi (CCP/SCR) domains.,subunit:Interacts with SNX17. Interacts with PSGL1/SEPL and mediateS neutrophil adhesion and leukocyte rolling. This interaction requires the sialyl-Lewis X epitope and specific tyrosine sulfation on PSGL1.,tissue specificity:Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.