Torapsel (SELP) Antibody – Homo Sapiens

PRODUCT OVERVIEW

Product Name	Torapsel (SELP), Antibody
Full Product Name	Research Grade Torapsel
Product Gene Name	anti-SELP antibody
Product Synonym Names	42-89-glycoprotein; WAY164339; pMT21:PL85
Host	Homo sapiens
Species Reactivity	Human
Form/Format	Liquid; 0.01M PBS, pH 7.4.
Purity/Purification	>95% by SDS-PAGE. Protein A or G purified from cell culture supernatant.
Concentration	0.5mg/ml (lot specific)
Preparation and Storage	Store at +4 degree C short term (1-2 weeks), -20 degree C 12 months, -80 degree C long term. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Molecular Weight	90,834 Da
OMIM	173610
3D Structure	ModBase 3D Structure for P16109
Expression system	Mammalian cells
Target	Leukocyte-endothelial cell adhesion molecule 3, Platelet activation dependent granule-external membrane protein, Granule membrane protein 140, GMP-140, CD62P, SELP, GRMP, PADGEM, CD62 antigen-like family member P, LECAM3, P-selectin, GMRP; Fusion - [SELPLG (selectin P ligand, selectin P glycoprotein ligand, PSGL-1, CD162) 42-89]2 - IGHG1 Fc (Fragment constant)
Product Categories/Family for anti-SELP antibody	Research Biosimilar
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SELP antibody	Research Grade Biosimilar
Related Product Information for anti-SELP antibody	MBS1580294 is an antibody targeting SELP. Also known as Research Grade Torapsel. Reactive in Human. Host: Homo sapiens.
Other Notes	Small volumes of anti-SELP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SELP. It may not necessarily be applicable to this product.

NCBI GI #	183389
NCBI GeneID	6403
NCBI Accession #	AAA35910.1

UniProt Primary Accession #	P16109
UniProt Secondary Accession #	Q5R344; Q8IVD1
UniProt Related Accession #	P16109
NCBI Official Full Name	granule membrane protein-140
NCBI Official Synonym Full Names	selectin P (granule membrane protein 140kDa, antigen CD62)
NCBI Official Symbol	SELP
NCBI Official Synonym Symbols	CD62; GRMP; PSEL; CD62P; GMP140; LECAM3; PADGEM
UniProt Protein Name	P-selectin
UniProt Synonym Protein Names	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
Protein Family	P-selectin
UniProt Gene Name	SELP
UniProt Synonym Gene Names	GMRP; GRMP; GMP-140; LECAM3; PADGEM
UniProt Entry Name	LYAM3_HUMAN
NCBI Protein Information	P-selectin; GMP-140; granule membrane protein 140; granulocyte membrane protein; CD62 antigen-like family member P; platelet alpha-granule membrane protein; leukocyte-endothelial cell adhesion molecule 3; platelet activation dependent granule-external mem
NCBI Summary for SELP	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]
UniProt Comments for SELP	SELP: 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. Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR); 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. Belongs to the selectin/LECAM family. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q22-q25 Cellular Component: nucleoplasm; extracellular space; platelet alpha granule membrane; integral to plasma membrane; cytoplasm; plasma membrane; platelet dense granule membrane; external side of plasma membrane Molecular Function: heparin binding; protein binding; lipopolysaccharide binding; glycosphingolipid binding; glycoprotein binding; calcium-dependent protein binding; sialic acid binding; fucose binding Biological Process: positive regulation of phosphoinositide 3-kinase cascade; heterophilic cell adhesion; platelet activation; leukocyte adhesion; platelet degranulation; regulation of integrin activation; positive regulation of leukocyte migration; response to lipopolysaccharide; defense response to Gram-negative bacterium; blood coagulation; inflammatory response; leukocyte tethering or rolling; cell adhesion; leukocyte migration Disease: Ige Responsiveness, Atopic
Research Articles on SELP	**1.** These findings suggest one molecular mechanism by which bromelain may exert its anti-inflammatory effects is via selective cleavage of PSGL-1 to reduce P-selectin-mediated neutrophil recruitment

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