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CD62p Rabbit pAb

Catalog # AP97000

Product Information

Application	WB
Primary Accession	Q01102
Other Accession	Q01102
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83099
Physical State	Liquid
Immunogen	Recombinant mouse CD62p protein
Epitope Specificity	455-561/768
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the selectin/LECAM family. Contains 1 C-type lectin domain. Contains 1 EGF-like domain.
SUBUNIT	Interacts with SNX17. Interacts with PSGL1/SEPL and PODXL2 and mediates neutrophil adhesion and leukocyte rolling. This interaction requires the sialyl-Lewis X epitope of PSGL1 and PODXL2, and specific tyrosine sulfation on PSGL1.
DISEASE	Defects in SELP may be a cause of susceptibility to ischemic stroke (ISCHSTR) [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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	20344
Other Names	CD62; CD62P; GMP140; GRMP; LECAM3; PADGEM; PSEL; GMP-140;

	LYAM3_HUMAN; SELP; 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); GMRP; LYAM3_MOUSE; selectin P; selectin P (granule membrane protein 140kD, antigen CD62); selectin P (granule membrane protein 140kDa, antigen CD62); P-selectin; antigen CD62; granule membrane protein 140kDa; platelet activation-dependent granule to external membrane protein
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Selp
Synonyms	Grmp
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 SELPLG. Mediates cell-cell interactions and cell adhesion via the interaction with integrin alpha-IIb/beta3 (ITGA2B:ITGB3) and integrin alpha-V/beta-3 (ITGAV:ITGB3) (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P16109}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P16109}
Tissue Location	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

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