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SELPLG Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10468b

Product Information

Application	WB, FC, E
Primary Accession	Q14242
Other Accession	NP_002997.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22429
Calculated MW	43201
Antigen Region	379-405

Additional Information

Gene ID	6404
Other Names	P-selectin glycoprotein ligand 1, PSGL-1, Selectin P ligand, CD162, SELPLG
Target/Specificity	This SELPLG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 379-405 amino acids from the C-terminal region of human SELPLG.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SELPLG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SELPLG
Function	A SLe(x)-type proteoglycan, which through high affinity, calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation. Critical for the initial leukocyte capture.

Cellular Location Membrane; Single-pass type I membrane protein.

Tissue Location Expressed on neutrophils, monocytes and most lymphocytes

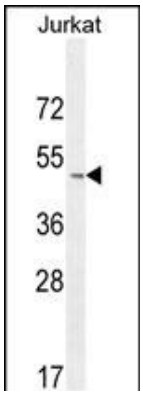
Background

SELPLG is the high affinity counter-receptor for P-selectin on myeloid cells and stimulated T lymphocytes. As such, it plays a critical role in the tethering of these cells to activated platelets or endothelia expressing P-selectin. The organization of the SELPG gene closely resembles that of CD43 and the human platelet glycoprotein GpIb-alpha both of which have an intron in the 5-prime-noncoding region, a long second exon containing the complete coding region, and TATA-less promoters.

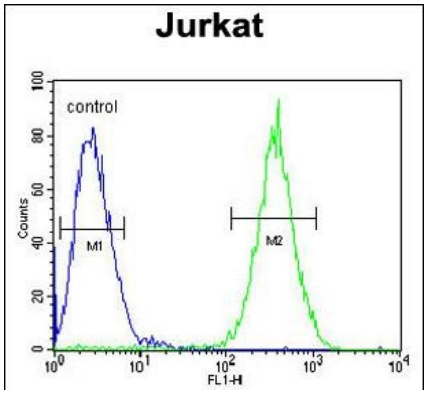
References

Elmas, E., et al. J. Cardiovasc. Electrophysiol. 21(11):1260-1265(2010)
Luan, S.L., et al. J. Pathol. 222(2):166-179(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Russo, H.M., et al. Circ. Res. 107(3):388-397(2010)
Dick, D.M., et al. Mol. Psychiatry (2010) In press :

Images



SELPLG Antibody (C-term) (Cat. #AP10468b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the SELPLG antibody detected the SELPLG protein (arrow).



SELPLG Antibody (C-term) (Cat. #AP10468b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.