

For Research Use Only

P-selectin / CD62P Monoclonal antibody

Catalog Number: 60322-1-Ig 35 Publications



Basic Information

Catalog Number: 60322-1-Ig	GenBank Accession Number: BC028067	Purification Method: Protein A purification
Source: Mouse	GeneID (NCBI): 6403	CloneNo.: 3G2C7
Isotype: IgG2b	UNIPROT ID: P16109	Recommended Dilutions: WB: 1:2000-1:10000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Immunogen Catalog Number: AG4124	Full Name: selectin P (granule membrane protein 140kDa, antigen CD62)	
	Calculated MW: 830 aa, 91 kDa	
	Observed MW: 140 kDa, 105-110 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : human peripheral blood platelets, Jurkat cells
Species Specificity: human	IP : K-562 cells,
Cited Species: human, mouse, rat	

Background Information

P-selectin, also known as GMP140 or CD62P, is a transmembrane glycoprotein that mediates the interaction of activated endothelial cells or platelets with leukocytes. It is an adhesion molecule involved in the pathogenesis of inflammation, thrombosis, and oncogenesis. P-selectin is 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jinwei Pang	34566870	Front Neurol	WB, IF
LinXi Cheng	34489520	Commun Biol	FC
Chunyu Huang	33015023	Front Bioeng Biotechnol	WB

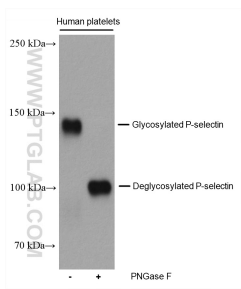
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

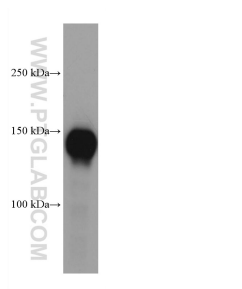
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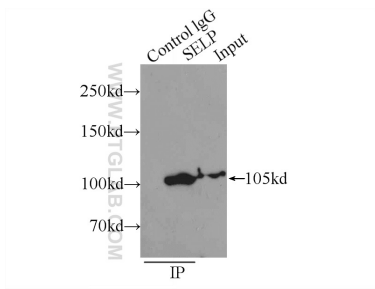
Selected Validation Data



Untreated and PNGase F-treated lysates of human platelets were subjected to SDS PAGE followed by western blot with 60322-1-Ig (P-selectin / CD62P antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



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IP result of anti-P-selectin / CD62P (IP:60322-1-Ig, 5ug; Detection:60322-1-Ig 1:600) with K-562 cells lysate 1760ug.