

For Research Use Only

P-selectin / CD62P Monoclonal antibody

Catalog Number: 60322-1-Ig

27 Publications



Basic Information

Catalog Number:

60322-1-Ig

Size:

150ul, Concentration: 1295 ug/ml by Nanodrop and 1080 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG4124

GenBank Accession Number:

BC028067

GeneID (NCBI):

6403

UNIPROT ID:

P16109

Full Name:

selectin P (granule membrane protein 140kDa, antigen CD62)

Calculated MW:

830 aa, 91 kDa

Observed MW:

140 kDa, 105-110 kDa

Purification Method:

Protein A purification

CloneNo.:

3G2C7

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse, rat

Positive Controls:

WB : human peripheral blood platelets, Jurkat cells

IP : K-562 cells,

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

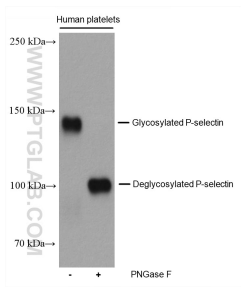
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

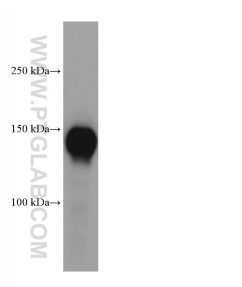
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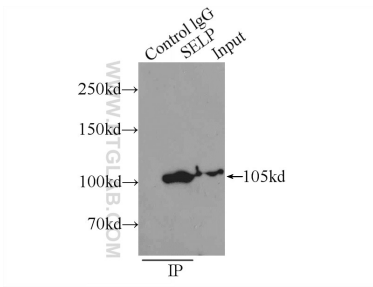
Selected Validation Data



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.