

For Research Use Only

# P-selectin / CD62P Monoclonal antibody



Catalog Number: 60322-1-Ig

21 Publications

## Basic Information

Catalog Number:

60322-1-Ig

Size:

150ul, Concentration: 1295 µg/ml by Nanodrop and 1080 µg/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 µg for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, FC, IHC

Species Specificity:

human

Cited Species:

human, rat, mouse

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

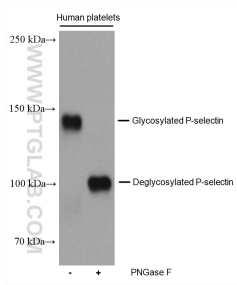
For technical support and original validation data for this product please contact:

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

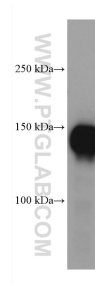
E: proteintech@ptglab.com  
W: ptglab.com

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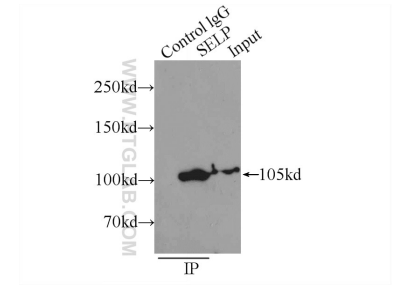
## Selected Validation Data



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.