

For Research Use Only

# P-Selectin/CD62P Recombinant antibody

Catalog Number: 83947-5-RR



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>83947-5-RR                           | <b>GenBank Accession Number:</b><br>NM_011347.2 | <b>Purification Method:</b><br>Protein A purification                                      |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>20344                  | <b>CloneNo.:</b><br>240766D3   |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q01102                    | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:200-1:800<br>IF-P 1:250-1:1000 |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>selectin, platelet         |  |
|  | <b>Calculated MW:</b><br>83 kDa                 |  |
|  | <b>Observed MW:</b><br>140 kDa                  |  |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>WB, IHC, IF-P, ELISA   | <b>Positive Controls:</b>                                |
| <b>Species Specificity:</b><br>human, mouse, rat  | <b>WB :</b> human peripheral blood leukocyte,            |
| <b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> | <b>IHC :</b> human tonsillitis tissue, rat spleen tissue |
|   | <b>IF-P :</b> human tonsillitis tissue,                  |

## 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.

## Storage

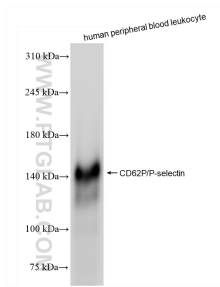
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

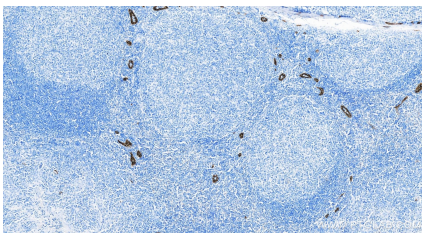
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

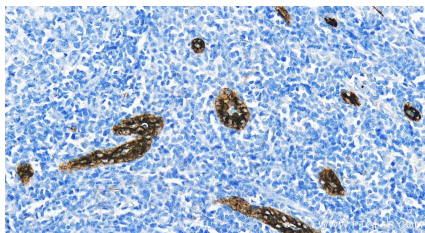
Selected Validation Data



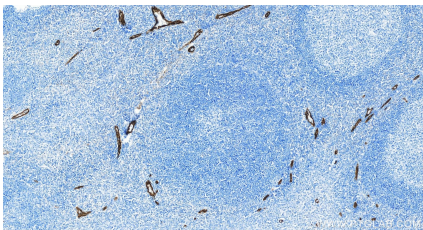
human peripheral blood leukocyte were subjected to SDS PAGE followed by western blot with 83947-5-RR (P-Selectin/CD62P antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



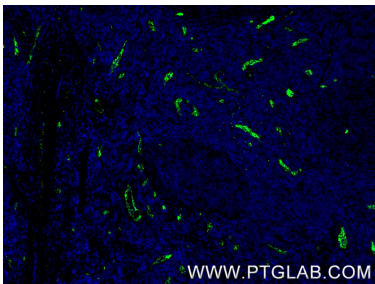
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83947-5-RR (P-Selectin/CD62P antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



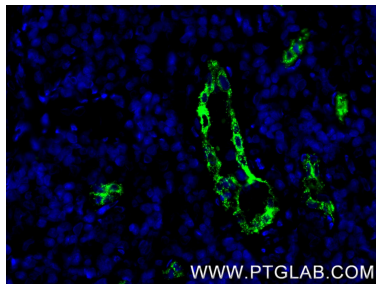
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83947-5-RR (P-Selectin/CD62P antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



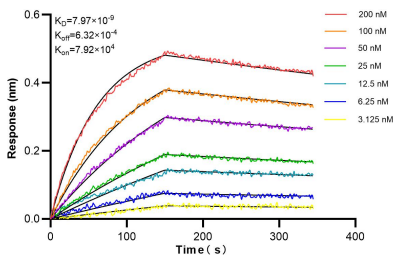
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83947-5-RR (P-Selectin/CD62P antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using P-Selectin/CD62P antibody (83947-5-RR, Clone: 240766D3 ) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using P-Selectin/CD62P antibody (83947-5-RR, Clone: 240766D3 ) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83947-5-RR against Mouse P-Selectin/CD62P were performed. The affinity constant is 7.97 nM.