

For Research Use Only

# CD42b Monoclonal antibody

Catalog Number: 67857-1-Ig



## Basic Information

<b>Catalog Number:</b> 67857-1-Ig	<b>GenBank Accession Number:</b> BC027955	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2811	<b>CloneNo.:</b> 3G1F5
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000185245	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:10000
<b>Isotype:</b> IgG2b	<b>UNIPROT ID:</b> P07359	
<b>Immunogen Catalog Number:</b> AG31181	<b>Full Name:</b> glycoprotein Ib (platelet), alpha polypeptide	
	<b>Calculated MW:</b> 626 aa, 69 kDa	
	<b>Observed MW:</b> 145 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

### Positive Controls:

WB : human peripheral blood platelets, human blood

IHC : mouse spleen tissue, human placenta tissue

## Background Information

CD42b, also named as GP1BA , is a 145-kDa surface membrane protein of platelets, participates in the formation of platelet plugs by binding to the A1 domain of vWF, which is already bound to the subendothelium. It has a heterodimer form which composed of GP1BA and GP1BB.

## 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

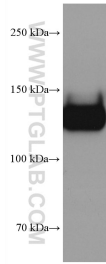
For technical support and original validation data for this product please contact:

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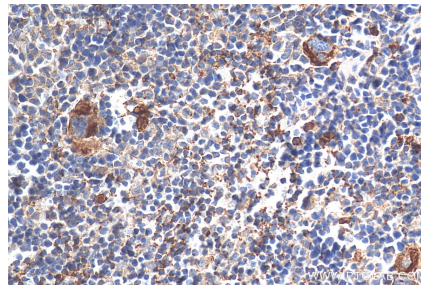
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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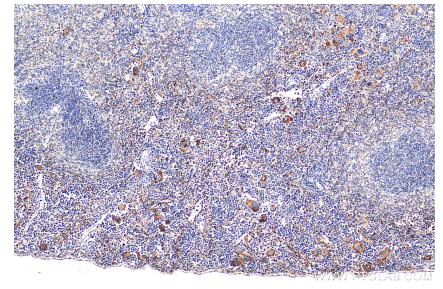
## Selected Validation Data



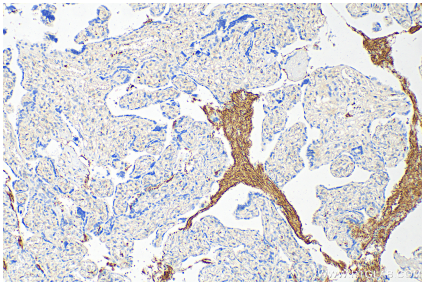
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67857-1-Ig (CD42b antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 67857-1-Ig (CD42b antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 67857-1-Ig (CD42b antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 67857-1-Ig (CD42b antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).