

For Research Use Only

CD42b Monoclonal antibody

Catalog Number: 67857-1-Ig



Basic Information

Catalog Number:

67857-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG31181

GenBank Accession Number:

BC027955

GeneID (NCBI):

2811

ENSEMBL Gene ID:

ENSG00000185245

UNIPROT ID:

P07359

Full Name:

glycoprotein Ib (platelet), alpha polypeptide

Calculated MW:

626 aa, 69 kDa

Observed MW:

145 kDa

Purification Method:

Protein A purification

CloneNo.:

3G1F5

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:10000

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

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

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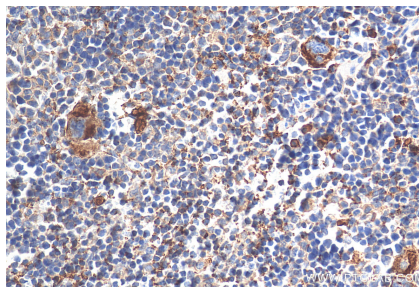
W: ptgcn.com

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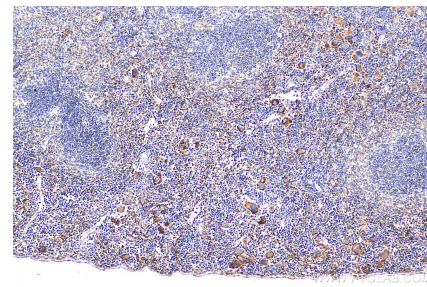
Selected Validation Data



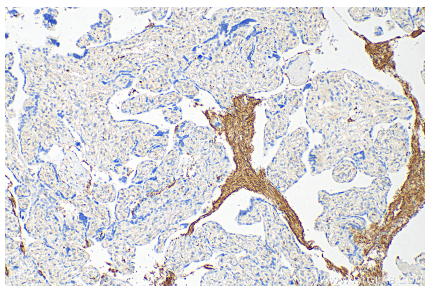
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67857-1-Ig (CD42b antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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).