

For Research Use Only

CD42a / GP9 Monoclonal antibody

Catalog Number: 67271-1-Ig



Basic Information

Catalog Number: 67271-1-Ig	GenBank Accession Number: BC030229	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2815	CloneNo.: 2D4H1
Source: Mouse	Full Name: glycoprotein IX (platelet)	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG2b	Calculated MW: 19 kDa	
Immunogen Catalog Number: AG6132	Observed MW: 20 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

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 tissue,

IHC : human spleen tissue,

Background Information

Platelet glycoprotein IX (GP9, also known as CD42a) is a relatively small surface glycoprotein present on platelets and megakaryocytes. GP9 forms a 1:1 non-covalent complex with GPIb (CD42b). The GPIb-V-IX complex functions as the vWF receptor and mediates vWF-dependent platelet adhesion to blood vessels. Defects in GP9 are a cause of Bernard-Soulier syndrome, also known as giant platelet disease.

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

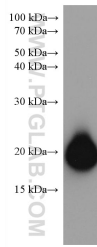
For technical support and original validation data for this product please contact:

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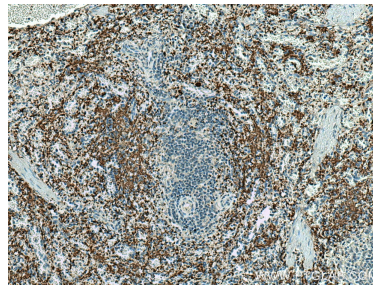
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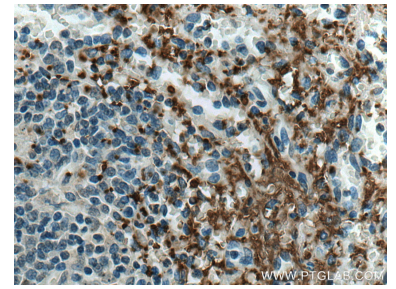
Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67271-1-Ig (CD42a / GP9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 67271-1-Ig (CD42a / GP9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 67271-1-Ig (CD42a / GP9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).