

For Research Use Only

CD42b Recombinant monoclonal antibody

Catalog Number: 87285-3-RR



Basic Information

Catalog Number:

87285-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3051

GenBank Accession Number:

NM_000173.7

GeneID (NCBI):

2811

ENSEMBL Gene ID:

ENSG00000185245

UNIPROT ID:

P07359

Full Name:

glycoprotein Ib (platelet), alpha polypeptide

Calculated MW:

72 kDa

Observed MW:

135 kDa

Purification Method:

Protein A purification

CloneNo.:

252200G12

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: human peripheral blood platelets, HEL cells

Background Information

CD42b, also known as platelet glycoprotein Ib alpha chain (GPIb alpha), is a type I transmembrane glycoprotein of 135-145 kDa (PMID: 2656709). It is expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are linked by a disulphide bond to form GPIb (PMID: 7660135). GPIb forms a noncovalent complex with CD42a (GPIIb) and CD42d (GPV) and acts as a receptor for von Willebrand factor (vWF) and thrombin (PMID: 7660135; 3759960). The GPIb-V-IX complex mediates vWF-dependent platelet adhesion to blood vessels. Defects in the expression of CD42b result in Bernard-Soulier syndromes and platelet-type von Willebrand disease (PMID: 9371310).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

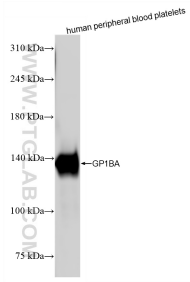
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 87285-3-RR (CD42b antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.