

For Research Use Only

CD42b Recombinant monoclonal antibody, PBS Only

Catalog Number: 87285-3-PBS



Basic Information

Catalog Number: 87285-3-PBS	GenBank Accession Number: NM_000173.7	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2811	CloneNo.: 252200G12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000185245	
Isotype: IgG	UNIPROT ID: P07359	
Immunogen Catalog Number: EG3051	Full Name: glycoprotein Ib (platelet), alpha polypeptide	
	Calculated MW: 72 kDa	
	Observed MW: 135 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 (GPIIX) 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 -80°C.

Storage Buffer:
PBS only, pH7.3

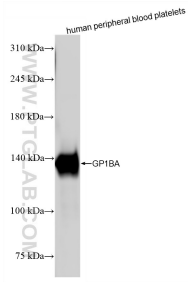
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 87285-3-PBS in a different storage buffer formulation.