

For Research Use Only

# CD42b Recombinant monoclonal antibody, PBS Only

Catalog Number: 87285-3-PBS



## Basic Information

<b>Catalog Number:</b> 87285-3-PBS	<b>GenBank Accession Number:</b> NM_000173.7	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 2811	<b>CloneNo.:</b> 252200G12
<b>Isotype:</b> IgG	<b>ENSEMBL Gene ID:</b> ENSG00000185245	
<b>Immunogen Catalog Number:</b> EG3051	<b>UNIPROT ID:</b> P07359	
	<b>Full Name:</b> glycoprotein Ib (platelet), alpha polypeptide	
	<b>Calculated MW:</b> 72 kDa	
	<b>Observed MW:</b> 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

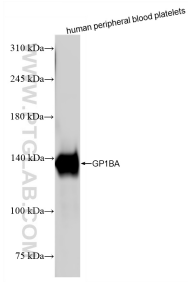
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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.