

For Research Use Only

# CD42b Recombinant monoclonal antibody

Catalog Number: 87285-3-RR



## Basic Information

<b>Catalog Number:</b> 87285-3-RR	<b>GenBank Accession Number:</b> NM_000173.7	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2811	<b>CloneNo.:</b> 252200G12
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000185245	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P07359	
<b>Immunogen Catalog Number:</b> EG3051	<b>Full Name:</b> glycoprotein Ib (platelet), alpha polypeptide	
	<b>Calculated MW:</b> 72 kDa	
	<b>Observed MW:</b> 135 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human peripheral blood platelets, HEL cells
<b>Species Specificity:</b> 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 -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**

\*\*\* 20ul sizes contain 0.1% BSA

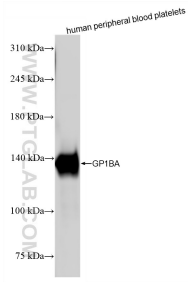
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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.