

For Research Use Only

Anti-Human CD42b Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98752-3-PBS



Basic Information

Catalog Number:

98752-3-PBS

Size:

1mg, 3 mg/ml

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

Purification Method:

Protein A purification

CloneNo.:

252200B12

Applications

Tested Applications:

FC

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 (GPIX) 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

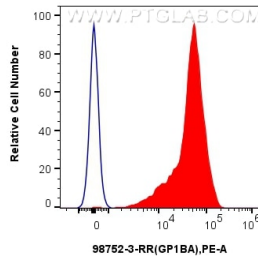
For technical support and original validation data for this product please contact:

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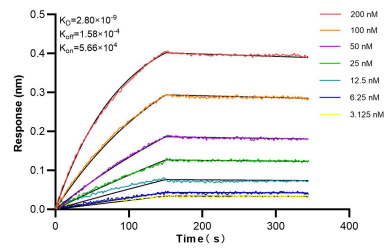
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W: ptglab.com

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Selected Validation Data



1×10^6 human peripheral blood platelets were surface stained with 0.25 μ g Anti-Human CD42b Rabbit RecAb (98752-3-RR, Clone: 252200B12) (red) or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98752-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98752-3-RR against Human CD42b were performed. The affinity constant is 2.80 nM.