

Datasheet for ABIN7274755

CD42b Protein (AA 17-531) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD42b (GP1BA)
Protein Characteristics:	AA 17-531
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD42b protein is labelled with His tag.

Product Details

Purpose:	Human CD42b/GP1BA Protein
Sequence:	His17-Leu531
Characteristics:	Recombinant Human CD42b/GP1BA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His17-Leu531.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD42b, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD42b Antibody, hFc Tag with the EC50 of 8.9ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD42b (GP1BA)
Alternative Name:	CD42b (GP1BA Products)
Background:	Absence of the CD42 complex leads to the Bernard-Soulier syndrome (BSS), which is a bleeding disorder characterized by thrombocytopenia and giant platelets. So far, mutations have been found in the genes encoding CD42a, CD42b and CD42c in patients with BSS**.
Molecular Weight:	57.6 kDa. Due to glycosylation, the protein migrates to 110-115 kDa based on Tris-Bis PAGE result.
UniProt:	P07359

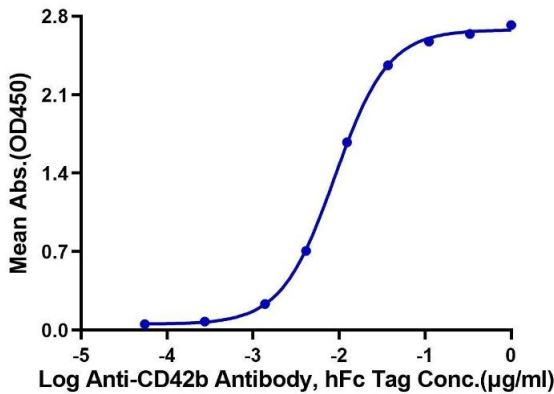
Application Details

Restrictions:	For Research Use only
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Handling

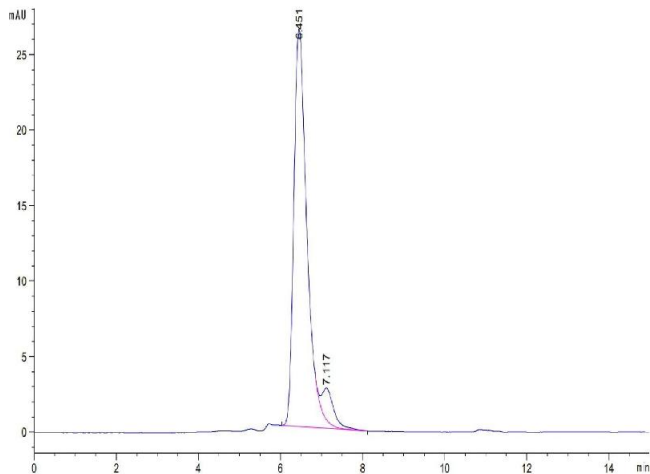
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human CD42b, His Tag ELISA
0.02µg Human CD42b, His Tag Per Well



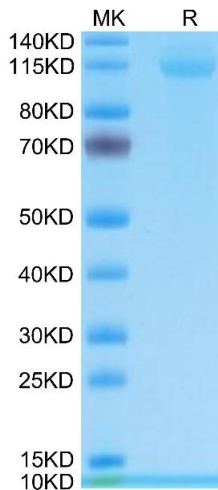
ELISA

Image 1. Immobilized Human CD42b, His Tag at 0.2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD42b Antibody, hFc Tag with the EC50 of 8.9 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD42b is greater than 92 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human CD42b on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .