



[Go to Product page](#)

Datasheet for ABIN7274229

CD79b Protein (AA 29-159) (Fc Tag)

3 Images

Overview

Quantity:	100 µg
Target:	CD79b (CD79B)
Protein Characteristics:	AA 29-159
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD79b protein is labelled with Fc Tag.

Product Details

Purpose:	Human CD79B Protein
Sequence:	Ala29-Asp159
Characteristics:	Recombinant Human CD79B Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala29-Asp159.
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 CD79B, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CD79B Antibody, hFc Tag with the EC50 of 10.5ng/ml determined by ELISA. See testing image for detail.

Target Details

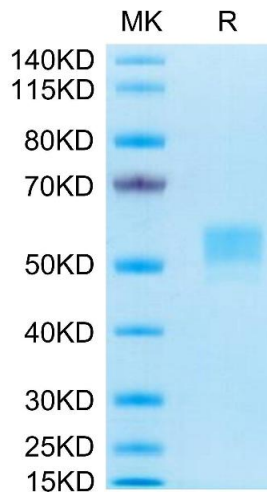
Target:	CD79b (CD79B)
Alternative Name:	CD79B (CD79B Products)
Background:	CD79B (also known as B29, Ig beta and B cell antigen receptor complex-associated protein beta-chain) is a 36-40 kDa member of the Ig-Superfamily. It is required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.
Molecular Weight:	41.9 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Pathways:	BCR Signaling

Application Details

Restrictions:	For Research Use only
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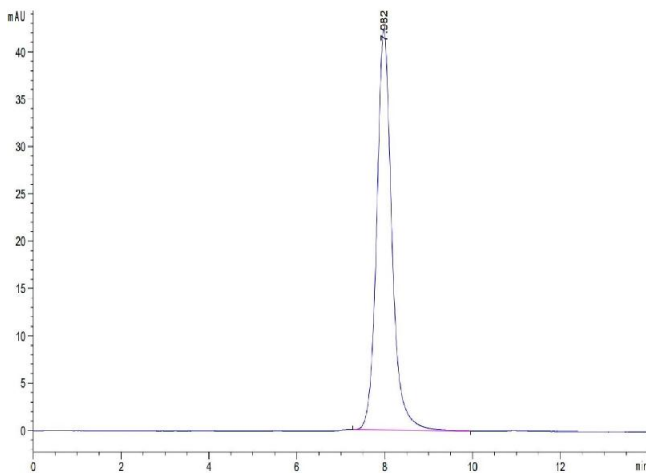
Handling

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



SDS-PAGE

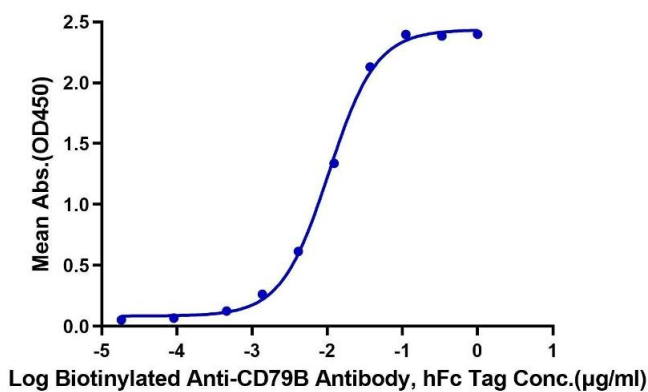
Image 1. Human CD79B on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD79B is greater than 95 % as determined by SEC-HPLC.

Human CD79B, hFc Tag ELISA
0.05µg Human CD79B, hFc Tag Per Well



ELISA

Image 3. Immobilized Human CD79B, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-CD79B Antibody, hFc Tag with the EC50 of 10.5 ng/mL determined by ELISA.