

## Datasheet for ABIN7535616 CD79b Protein (His tag)



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### Overview

Quantity:	100 µg
Target:	CD79b (CD79B)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD79b protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human B29/CD79B Protein
Sequence:	ARSEDYRNP KGSACSRIWQ SPRFIARKRG FTVKMHCYMN SASGNVSWLW KQEMDENPQQ LKLEKGRMEE SQNESLATLT IQGIRFEDNG IYFCQQKCNN TSEVYQGCCT ELRVMGFSTL AQLKQRNTLK D
Specificity:	Ala29-Asp159
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human CD79B at 0.5 µg/mL (100 µL/well) can bind CD79B Rabbit mAb with a linear range of 0.1-1.2 ng/mL.

## Target Details

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Target:	CD79b (CD79B)
Alternative Name:	B29/CD79B ( <a href="#">CD79B Products</a> )
Background:	<p>Description: B-cell antigen receptor complex-associated protein beta chain (CD79b) is also known as B-cell-specific glycoprotein B29, Ig-beta, Immunoglobulin-associated B29 protein, B29 and IGB, which is a single-pass type I membrane protein containing one Ig-like V-type ( immunoglobulin-like ) domain and one ITAM domain. CD79b is required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR). CD79b can enhance phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation. Defects in CD79b are the cause of agammaglobulinemia type 6 (AGM6) that is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development.</p> <p>Name: AGM6, B29, IGB, CD79B, B29, IGB</p>
Gene ID:	974
UniProt:	<a href="#">P40259</a>
Pathways:	<a href="#">BCR Signaling</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.