Biotinylated Recombinant Human B29/CD79B Protein

Catalog No.: RP00524B

Sequence Information

Species
Human

Gene ID
974

Swiss Prot
P40259-1

Tags
C-His&Avi

Synonyms
B29; CD79b molecule; CD79B; IGB; IGBAGM6; Ig-beta; Ig-β

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
18.1 kDa

Observed MW
35-45 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Basic Information

Description
Biotinylated Recombinant Human CD79B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala29-Asp159) of Human CD79B (Accession #P40259-1) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

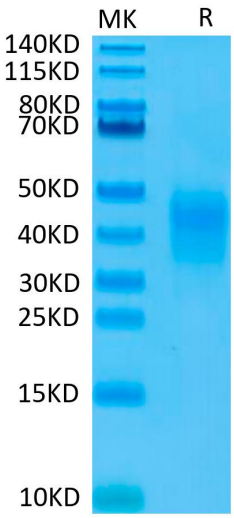
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

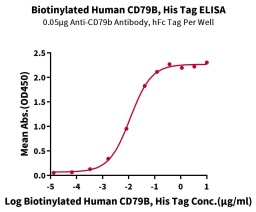
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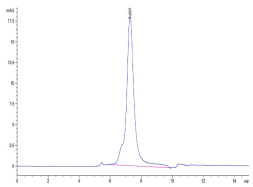
Validation Data



Biotinylated Recombinant Human B29/CD79B Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-CD79B Antibody, hFc Tag at 0.5 μg/mL (100 μL/well) on the plate. Dose response curve for Biotinylated Human CD79B, His Tag with the EC_{50} of 11.5ng /mL determined by ELISA.



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