

CD79B Protein, Human, Recombinant (hFc)

General Information

Synonyms:	Immunoglobulin-Associated B29 Protein;B-Cell-Specific Glycoprotein B29;B-Cell Antigen Receptor Complex-Associated Protein Beta Chain;IGB;B-Cell Antigen Receptor Complex-Associated Protein β Chain;Ig- β ;B29;CD79b;Ig-Beta
Protein Construction:	Ala29-Asp159
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P40259
Molecular Weight:	45-65 KDa (reducing condition)
AA Sequence:	Ala29-Asp159

QC Testing

Biological Activity:	Loaded Human CD79B-Fc on APS Biosensor, can bind Anti-Human CD79B mAb-Fc with an affinity constant of 0.4 nM as determined in BLI assay. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing 20 mM PB, 150 mM NaCl, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

CD79B is a single-pass type I membrane protein. CD79B contains one Ig-like V-type 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), which leads to internalization of the complex, trafficking to late endosomes

and antigen presentation. CD79B enhances phosphorylation of CD79A, possibly by recruiting kinases that phosphorylate CD79A or by recruiting proteins that bind to CD79A and protect it from dephosphorylation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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