

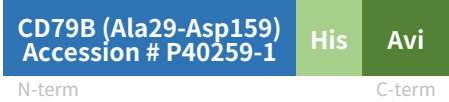
Rev02
 Update: Aug,08,2025

DATASHEET

CD79B[Biotin], His & Avi, Human

Cat. No.: Z04072

Product Introduction

Species	Human
Protein Construction	 <p>CD79B (Ala29-Asp159) Accession # P40259-1</p> <p>N-term His Avi C-term</p>
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized AntiCD79B Antibody, hFc Tag at 1 µg/ml (100 µl/well) on the plate can bind CD79B[Biotin], His & Avi, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	18.1 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target 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.

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

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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