

CD79B Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78263
Synonyms:	B29; CD79b molecule; CD79B; IGB; IGBAGM6; Ig-beta; Ig- β
Species:	Mouse
Source:	HEK293
Accession:	P15530 (V26-D158)
Gene ID:	15985
Molecular Weight:	30-50 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μ m filtered solution of PBS, 200 mM L-Arginine, pH 7.4.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

The CD79B protein is essential in conjunction with CD79A for initiating the signal transduction cascade triggered by the B-cell antigen receptor complex (BCR). This cascade leads to the internalization of the complex, trafficking it to late endosomes, and facilitating antigen presentation. CD79B enhances the phosphorylation of CD79A, possibly by recruiting kinases that phosphorylate CD79A or by recruiting proteins that bind to CD79A to protect it from dephosphorylation. CD79B forms a disulfide-linked heterodimer with CD79A and is a crucial component of the B-cell antigen receptor complex. In this complex, the alpha/beta chain heterodimer of CD79B and CD79A is non-covalently associated with an antigen-specific membrane-bound surface immunoglobulin consisting of two heavy chains and two light chains. CD79B also interacts with LYN.

Caution: Product has not been fully validated for medical applications. For research use only.

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