

CD79B Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P72707
Synonyms:	B-cell antigen receptor complex-associated protein beta chain; CD79b; B29; IGB
Species:	Mouse
Source:	HEK293
Accession:	P15530 (V26-D158)
Gene ID:	15985
Molecular Weight:	50-65 kDa

PROPERTIES

AA Sequence	<p>V P A M T S S D L P L N F Q G S P C S Q I W Q H P R F A A K K R S S M V K F H C</p> <p>Y T N H S G A L T W F R K R G S Q Q P Q E L V S E E G R I V Q T Q N G S V Y T L</p> <p>T I Q N I Q Y E D N G I Y F C K Q K C D S A N H N V T D S C G T E L L V L G F S</p> <p>T L D Q L K R R N T L K D</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>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.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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