Recombinant Human CD79A(C-6His)

Catalog Number: PKSH034012

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Species	Human
Source	HEK293 Cells-derived Human CD79A protein Leu33-Arg143, with an C-terminal His
Calculated MW	13.4 kDa
Observed MW	25-40 kDa
Accession	P11912
Bio-activity	Not validated for activity

Properties

Purity	＞95 % as determined by reducing SDS-PAGE.
Endotoxin	＜1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at ＜-20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data
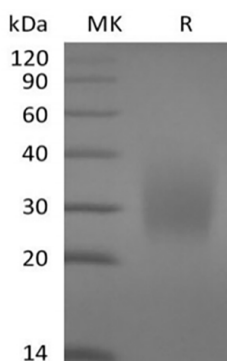
> 95 % as determined by reducing SDS-PAGE.

Background

CD79A (also known as Mb-1, Ig alpha and B cell antigen receptor complex-associated protein alpha-chain) is a 30-40 kDa member of the Ig-Superfamily. Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B-cells.

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