Recombinant Rhesus Macaque CD79B/B29 (C-Fc)

Catalog Number: PKSQ050110

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

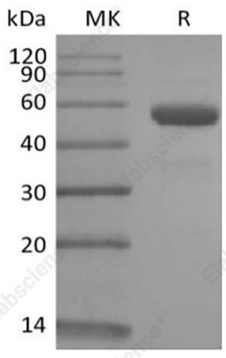
Description

Species	Rhesus macaque
Source	HEK293 Cells-derived Rhesus Macaque CD79B/B29 protein Ala30-Asp161, with an C-terminal Fc
Calculated MW	42.2 kDa
Observed MW	50-60 kDa
Accession	H9ZFT8
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°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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

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.

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