

Recombinant Mouse CD19 Protein

Catalog No.: RP03244

Sequence Information

Species	Gene ID
Mouse	12478
Swiss Prot	Tags
P25918	C-His

Synonyms

CD19; B4; CVID3; Leu-12;
MGC12802

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW	Observed MW
30.7 kDa	55–70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CD19 functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. It decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. CD19 also activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca²⁺ stores.

Basic Information

Description

Recombinant Mouse CD19 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg19–Gly287) of Mouse CD19 (Accession #P25918) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

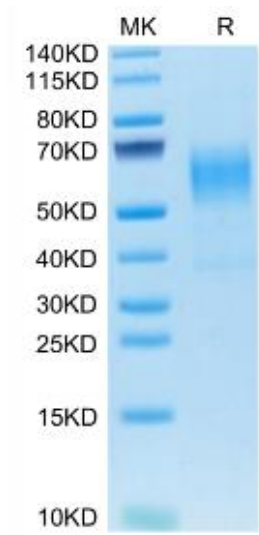
Contact

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Validation Data



Recombinant Mouse CD19 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.