

Catalog No.: RP03244 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	12478	P25918

C-His

CD19; B4; CVID3; Leu-12; MGC12802

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

Calculated MW	Observed MW
30.7 kDa	55-70 kDa

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

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

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.

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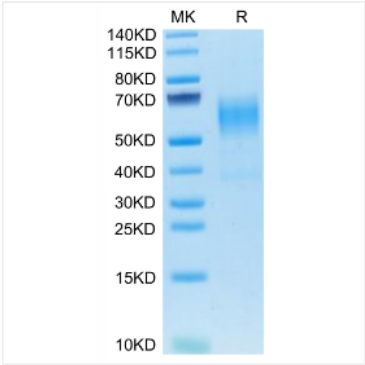
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CD19 functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. It decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. CD19 also activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca^{2+} stores.

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.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



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