Recombinant Human CD5 Protein

Catalog No.: RP00594

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Sequence Information

Species
Human

Gene ID
921

Swiss Prot
P06127

Tags
C-hFc&Avi

Synonyms
CD5 molecule; CD5; LEU1; T1; CD5 antigen

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
67.1 kDa

Observed MW
75-82 kDa

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

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CD5: a type I transmembrane protein found on T cells, thymocytes, and some B cells that is a ligand for CD72 and is involved in cellular activation or adhesion; expressed in B-cell chronic lymphocytic leukemia and T-cell lymphoma.

Basic Information

Description
Recombinant Human CD5 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg25-Asn371) of Human CD5 (Accession #P06127) fused with a C-hFc&Avi 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℃

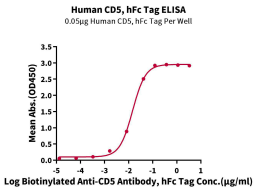
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

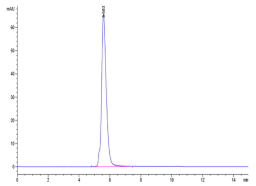
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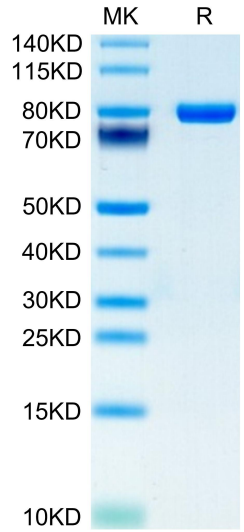
Validation Data



Immobilized Human CD5 at 0.5 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Anti-CD5 Antibody, hFc Tag with the EC_{50} 14.6ng/mL determined by ELISA.



The purity of Human CD5 is greater than 95% as determined by SEC-HPLC.



Recombinant Human CD5 Protein was determined by Tris-Bis PAGE under reducing conditions.