Recombinant Human CD52 Protein

Catalog No.: RP01429

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Sequence Information

Species
Human

Gene ID
1043

Swiss Prot
P31358

Tags
C-hFc&Avi

Synonyms
CD52,CDW52,EDDM5

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
28.98 kDa

Observed MW
Approximately 40 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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

CD52 / CDW52 is a small glycosylphosphatidylinositol (GPI) anchored glycoprotein. It has a mature peptide comprising only 12 amino acids and is abundantly expressed on human lymphocytes. From the clinical point of view this protein is an important target for therapeutic interventions aimed at leukocyte depletion in hematological malignancies and post-transplant immunosuppression. CD52 / CDW52 may play a role in carrying and orienting carbohydrate. It is an unusually good target for complement-mediated cell lysis.

Basic Information

Description
Recombinant Human CD52 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly25-Ser36) of human CD52 (Accession #NP_001794.2) fused with a Fc, Avi tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human CD52 Protein at 5 μg/mL (100 μL/well) can bind SIGLEC10 with a linear range of 20.49-455.65ng/mL.

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℃

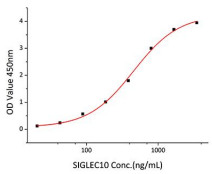
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

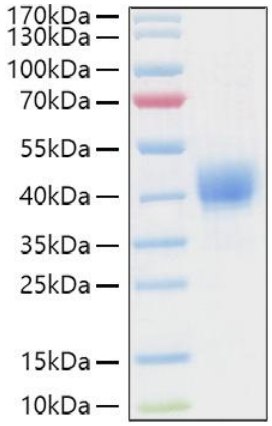
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Validation Data



Immobilized Human CD52 Protein at 5 μg/mL (100 μL/well) can bind SIGLEC10 with a linear range of 20.49-455.65ng/mL.



Recombinant Human CD52 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.