

RP01429

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Recombinant Human CD52 Protein

Catalog No.: RP01429

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1043	P31358

Tags

C-hFc&Avi

Synonyms

CD52;CDW52;EDDM5

Product Information

Source

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.

Purification

≥ 95 % as determined by SDS-PAGE.

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

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.

Bio-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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

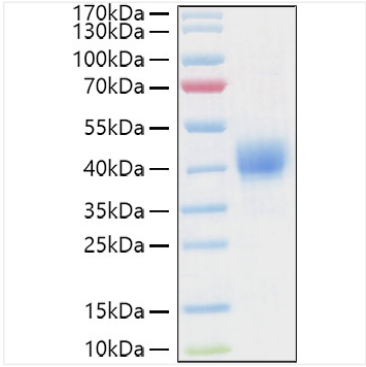
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Contact

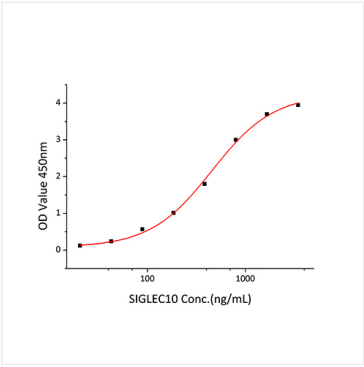


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Validation Data



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



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