

Recombinant Human CD38 Protein

Catalog No.: RP02225 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	952	P28907

Tags

C-hFc&His

Synonyms

CD38;ADPRC 1;ADPRC1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

Formulation

Lyophilized from sterile PBS, pH 7.4.
Normally 5% - 11% trehalose is added as protectants before lyophilization.

Reconstitution

Reconstitute with deionized water

Background

CD antigen CD38 is also known as ADP-ribosyl cyclase 1, which belongs to the ADP-ribosyl cyclase family. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD⁺ to ADP-ribose. These reaction products are essential for the regulation of intracellular Ca²⁺. The loss of CD38 function is associated with impaired immune responses, metabolic disturbances, and behavioral modifications. The CD38 protein is a marker of cell activation. It has been connected to HIV infection, leukemias, myelomas, solid tumors, type II diabetes mellitus and bone metabolism. CD38 has been used as a prognostic marker in leukemia.

Basic Information

Description

Recombinant Human CD38 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (CD38(Val43-Ile300)&hFc(Glu99-Ala330)) of human CD38 (Accession #) fused with a Fc and His Tag at the C-terminal. .

Bio-Activity

ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD38, hFc-His tagged protein can bind Anti-CD38 Neutralizing antibody in a linear range of 0.98-64.14 ng/mL.

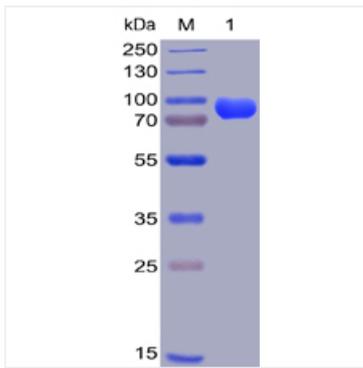
Storage

Store the lyophilized protein at -20°C to -80°C for long term.
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.

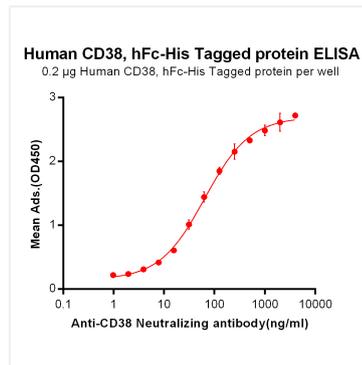
Contact

 | www.abclonal.com

Validation Data



Recombinant Human CD38 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 70-72 kDa



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