

Active Recombinant Human CD38 protein, Fc-Avi-tagged, Biotinylated

Cat. No. CD38-3078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD38 protein(Val 43-Ile 300), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Val 43-Ile 300
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD38, Fc,Avitag at 1 μg/mL (100 μL/well) on streptavidin precoated (0.5 μg/well) plate can bind Monoclonal Anti-CD38 Antibody, Human IgG1 with a linear range of 0.5-8 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 58.0 kDa. The protein migrates as 65-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.

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Storage For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation Biotin

GENE INFORMATION

Gene Name CD38 CD38 molecule [Homo sapiens]

Official Symbol CD38

Synonyms CD38; CD38 molecule; CD38 antigen (p45); ADP-ribosyl cyclase 1; ADP ribosyl cyclase 1; NAD(+) nucleosidase; cADPr hydrolase 1; cyclic ADP-ribose hydrolase 1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase; T10;

Gene ID 952

mRNA Refseq NM_001775

Protein Refseq NP_001766

MIM 107270

UniProt ID P28907

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