

Active Recombinant Human CD38 protein, Fc-tagged, FITC-Labeled

Cat. No. CD38-3079H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC-Labeled Recombinant Human CD38 protein(Val 43-Ile 300), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Val 43-Ile 300
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Anti-CD38 Antibody (Daratumumab), Human IgG1 at 2 µg/mL (100 µL/well) can bind FITC-Labeled Human CD38, Fc Tag with a linear range of 0.078-0.625 µg/mL. Immobilized Monoclonal Anti-CD38 Antibody, Human IgG1 at 2 µg/mL (100 µL/well) can bind FITC-Labeled Human CD38, Fc Tag with a linear range of 0.039-1.25 ug/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 56.3 kDa. The protein migrates as 65-75 under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
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	FITC

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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