

Active Recombinant Mouse Cd38 protein(Met1-Thr304), His-tagged

Cat. No. Cd38-3112M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD38 (NP_031672.2) (Met1-Thr304) was expressed in HEK293, fused with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Thr304
Form	Lyophilized from sterile 20mM MES, 0.15M NaCl, pH 6.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to convert the substrate nicotinamide guanine dinucleotide (NGD+) to cyclic GDPribose. The specific activity is >50, 000pmols/min/ug.
Molecular Mass	The recombinant mouse CD38 consists of 271 amino acids and has a calculated molecular mass of 31.3 kDa. As a result of glycosylation, the apparent molecular mass of rmCD38 is approximately 38-42 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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.

GENE INFORMATION

Gene Name Cd38 CD38 antigen [*Mus musculus*]

Official Symbol Cd38

Synonyms CD38; CD38 antigen; ADP-ribosyl cyclase 1; I-19; NIM-R5 antigen; cADPr hydrolase 1; cyclic ADP-ribose hydrolase 1; Cd38-rs1;

Gene ID 12494

mRNA Refseq NM_007646

Protein Refseq NP_031672

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