

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CD38 (NP_031672.2) (Met1-Thr304) was expressed in HEK293, fused with a C-terminal polyhistidine tag.
<b>Source</b>	HEK293
<b>Species</b>	Mouse
<b>Tag</b>	C-His
<b>Protein length</b>	Met1-Thr304
<b>Form</b>	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.
<b>Bio-activity</b>	Measured by its ability to convert the substrate nicotinamide guanine dinucleotide (NGD+) to cyclic GDPribose. The specific activity is >50, 000pmols/min/ug.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 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

<b>Gene Name</b>	Cd38 CD38 antigen [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Cd38
<b>Synonyms</b>	CD38; CD38 antigen; ADP-ribosyl cyclase 1; I-19; NIM-R5 antigen; cADPr hydrolase 1; cyclic ADP-ribose hydrolase 1; Cd38-rs1;
<b>Gene ID</b>	12494
<b>mRNA Refseq</b>	NM_007646
<b>Protein Refseq</b>	NP_031672

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