

## Active Recombinant Mouse Cd38, His-tagged

**Cat. No.** Cd38-536M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Cd38 (Accession # EDL37596) Leu45-Thr304, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	45-304 a.a.
<b>Predicted N Terminal</b>	Leu45
<b>Form</b>	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
<b>Bio-activity</b>	Measured by its ability to convert the substrate nicotinamide guanine dinucleotide (NGD+) to cyclic GDP-ribose. Graeff, R.M. et al. (1994) J. Biol. Chem. 269:30260. The specific activity is >50,000 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Mouse Cd38, His-tagged has a calculated MW of 31 kDa. In SDS-PAGE migrates as 41 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	Cd38 CD38 antigen [ Mus musculus ]
<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
<b>MIM</b>	

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