

Active Recombinant Mouse Cd38, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Cd38 (Accession # EDL37596) Leu45-Thr304, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	45-304 a.a.
Predicted N Terminal	Leu45
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	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/µg, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Cd38, His-tagged has a calculated MW of 31 kDa. In SDS-PAGE migrates as 41 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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

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
MIM	

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