

Product datasheet for **TP727829**

Cd38 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1/CD38 (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu45-Thr304
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.0.
Note:	Recombinant Mouse ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1 is produced by our Mammalian expression system and the target gene encoding Leu45-Thr304 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12494
UniProt ID:	P56528
Summary:	CD38, also called ADP-ribosyl cyclase, is a Type II integral membrane protein with 301 amino acids in length that belongs to the ADP-ribosyl cyclase family. It synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. And also moonlights as a receptor in cells of the immune system. CD38 is expressed in B and T lymphocytes, osteoclasts, and in cardiac, pancreatic, liver and kidney cells. Through its production of cyclic ADP-ribose, CD38 modulates calcium-mediated signal transduction in many types of cells, including neutrophils and pancreatic beta cells.



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