

Recombinant Mouse CD38 Protein

Catalog #	Source	Reactivity	Applications
CRP2917	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description	Recombinant Mouse CD38 Protein is produced by mammalian expression system and the target gene encoding Leu45-Thr304 is expressed with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, PH7.0.
Gene Symbol	CD38
Alternative Names	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase; 2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; ADPRC 1; Cyclic ADP-ribose hydrolase 1; cADPr hydrolase 1; T10; CD38
Entrez Gene	12494 (Mouse)
SwissProt	P56528 (Mouse)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	LRPRSLLVWT GEPTTKHFSD IFLGRCLIIY QILRPEMRDQ NCQEILSTFK GAFVSKNPCN ITREDYAPLV KLVTQTIPCN KTLFWSKSKH LAHQYTWIQG KMFTLEDLL GYIADDLRWC GDPSTSDMNY VSCPHWSENC PNNPITVFWK VISQKFAEDA CGVVQVMLNG SLREPFYKNS TFGSVEVFSL DPNKVHKLQA WVMHDIEGAS SNACSSSLN ELKMIVQKRN MIFACVDNYR PARFLQCVKN PEHPSCRLNT VDDIEGRMDE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRE EMTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDSFFL YSKLTVDKSR WQQGNVFCSC VMHEALHNNHY TQKSLSLSPG K

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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