

Recombinant Rat CD38 Protein

Catalog #	Source	Reactivity	Applications
CRP3081	Human cells	Rat	E, WB, SDS-PAGE, MS
Description	Recombinant Rat CD38 Protein is produced by mammalian expression system and the target gene encoding Trp45-Val303 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
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	25668 (Rat)		
SwissProt	Q64244 (Rat)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>WPRSPLVWKG KPTTKHFADI ILGRCLITYQ ILRPEMRDQD CKKILSTFKR GFISKNPCNI</p> <p>TNEDYAPLVK LVTQTIPCNK TLFWSKSKHL AHQYTWIQGK MFTLEDTLG YIADDLRWCG</p> <p>DPSTSDMNYD SCPHWSENCN NNPVAVFWNV ISQKFAEDAC GVVQVMLNGS</p> <p>LSEPFYRNST FGSVEVFNLD PNKVHKLQAW VMHDIKGTSS NACSSPSINE LKSIVNKRNM</p> <p>IFACQDNYP VRFLQCVKNP EHPSCRLNVV DHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) 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 µg/ml. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize		

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

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 $2-8^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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