

## Recombinant Human CD38 Protein

Catalog #	Source	Reactivity	Applications
CRP2652	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human CD38 Protein is produced by mammalian expression system and the target gene encoding Val43-Ile300 is expressed with a Fc tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
<b>Gene Symbol</b>	CD38
<b>Alternative Names</b>	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
<b>Entrez Gene</b>	952 (Human)
<b>SwissProt</b>	P28907 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	VPRWRQQWSG PGTTKRFPET VLARCVKYTE IHPEMRHVDC QSVWDAFKGA FISKHPCNIT EEDYQPLMKL GTQTVPCNKI LLWSRIKDLA HQFTQVQRDM FTLEDTLG Y LADDLTCWCGE FNTSKINYQS CPDWRKDCSN NPVSVFWKT V SRRFAEAACD VVHVMLNGSR SKIFDKNSTF GSVEVHNLQP EKVQTL EAWV IHGGREDSRD LCQDPTIKEL ESIISKRN IQ FSCKNIYRPD KFLQCVKNPE DSSCTSEIVD DIEGRMDEPK SCDKTHTCP P CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSREEM TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTT PPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGK

**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

<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage/Stability</b>	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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