

Recombinant Human CD38 Protein

Catalog #	Source	Reactivity	Applications
CRP2653	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CD38 Protein is produced by mammalian expression system and the target gene encoding Val43-Ile300 is expressed with a mFc 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	952 (Human)
SwissProt	P28907 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	VPRWRQQWSG PGTTKRFPET VLARCVKYTE IHPEMRHVDC QSVWDAFKGA FISKHPCNIT EEDYQPLMKL GTQTVPCNKI LLWSRIKDLA HQFTQVQRDM FTLEDTLG Y LADDLTCWCGE FNTSKINYQS CPDWRKDCSN NPVSVFWKTV SRRFAEAACD VVHVMLNGSR SKIFDKNSTF GSVEVHNLQP EKVQTL EAWV IHGGREDSRD LCQDPTIKEL ESIISKRNIQ FSCKNIYRPD KFLQCVKNPE DSSCTSEIVD DIEGRMDPRD CGCKPCICTV PEVSSVFIFP PKPKDVL TIT LTPKVTCVVV DISKDDPEVQ FSWFVDDVEV HTAQTQPREE QFNSTFRSVS ELPIMHQDWL NGKEFKCRVN SAAFPAPIEK TISKTKGRPK APQVYTIPPP KEQMAKDKVS LTCMITDFFP EDITVEWQWN GQPAENYKNT QPIMDTDGSY FVYSKLNQVK SNWEAGNTFT CSVLHEGLHN HHTEKSLSHS PGK

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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