

CD38 recombinant protein

Recombinant human CD38 protein with C-terminal human Fc and 6xHis tag

CATALOG # AAA47188	HOST HEK293 cells	APPLICATIONS ELISA, Western Blot
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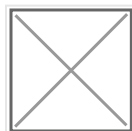
PRODUCT SYNONYMS

CD38; Recombinant human CD38 protein with C-terminal human Fc and 6xHis tag; Human CD38 Protein; hFc-His Tag; T10; cADPr hydrolase 1; CD38 recombinant protein

PRODUCT SPECIFICATIONS

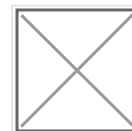
Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-11% trehalose is added as protectants before lyophilization.
Sequence	CD38(Val43 -Ile300)+h Fc(Glu99-A la330)
Applicable Applications for CD38 recombinant protein	ELISA, WB (Western Blot)
Source	Human
Conjugation	C-Human Fc and 6xHis tag
Reconstitution	Reconstitute with deionized water
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing) Shipping: Blue Ice

IMAGES



SDS-PAGE

Figure 1. Human CD38, hFc-His Tag on SDS-PAGE under reducing condition.



ELISA

Figure 1. Human CD38, hFc-His Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for CD38 recombinant protein

CD antigen CD38 is also known as ADP-ribosyl cyclase 1, which belongs to the ADP-ribosyl cyclase family. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD⁺ to ADP-ribose. These reaction products are essential for the regulation of intracellular Ca²⁺. The loss of CD38 function is associated with impaired immune responses, metabolic disturbances, and behavioral modifications. The CD38 protein is a marker of cell activation. It has been connected to HIV infection, leukemias, myelomas, solid tumors, type II diabetes mellitus and bone metabolism. CD38 has been used as a prognostic marker in leukemia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55977782
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NCBI GeneID	952
UniProt Accession #	P28907; O00121; O00122; Q96HY4
Molecular Weight	300
NCBI Official Full Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
NCBI Official Synonym Full Names	CD38 molecule
NCBI Official Symbol	CD38
NCBI Official Synonym Symbols	T10; ADPRC 1
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; cADPr hydrolase 1; CD38 antigen (p45); NAD(+) nucleosidase; ADP-ribosyl cyclase 1; 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-cyclic-ADP-ribose transferase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cycli
UniProt Protein Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
UniProt Gene Name	CD38
UniProt Synonym Gene Names	ADPRC 1; cADPr hydrolase 1
UniProt Entry Name	CD38_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd38-recombinant-protein-hek293-cells-elisa-wb-western-blot/47188>