

CD38 Protein, Rabbit (HEK293, His)

Cat. No.:	HY-P72896
Synonyms:	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; 2'-phospho-ADP-ribosyl cyclase; ADPRC 1; CD38
Species:	Rabbit
Source:	HEK293
Accession:	Q9MZ03 (L43-M298)
Gene ID:	100009409
Molecular Weight:	33-49 kDa

PROPERTIES

AA Sequence	<pre> L T W R Q S S M G A T D H V S A I V L G R C L T Y T R N M H P E L R N Q D C K K I L N T F T S A F V S K D P C N I T K E D Y Q P L I D L V T Q T V P C N K T L F W S R S K E L A H Q Y S G I Q K E M F T L E D T L L G Y I A D N L V W C G D P R T S E V K E E F C P Y R N E N C S S T A T S V F W T V V S Q K F A E S A C G T V Y V M L N G S R T T A F S K A S T F G S V E V F N L H P D R V H T L H A W V M H D I G G V E R D S C L G S S I K E L K S I V N Q R N I S F F C Q D D Y R P A R F V Q C V R H P E H P S C S V L M </pre>
Biological Activity	Immobilized Human CD38 at 1 µg/mL (100 µL/well) can bind Anti-CD38 Antibody. The ED ₅₀ for this effect is 20.91 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, PH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The CD38 protein has multiple functions, including the synthesis of cyclic ADP-ribose (cADPR), a second messenger involved in glucose-induced insulin secretion. It is also responsible for producing nicotinate-adenine dinucleotide phosphate, NAADP(+), which mobilizes calcium ions, using 2'-phospho-cADPR and nicotinic acid, as well as NADP(+) and nicotinic acid. In addition, CD38 exhibits cADPR hydrolase activity.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA