

Rat Cyclic ADP Ribose Hydrolase ELISA Kit | cADPRH/CD38 elisa kit

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CATALOG #
AAA99791

REACTIVITY
Rat

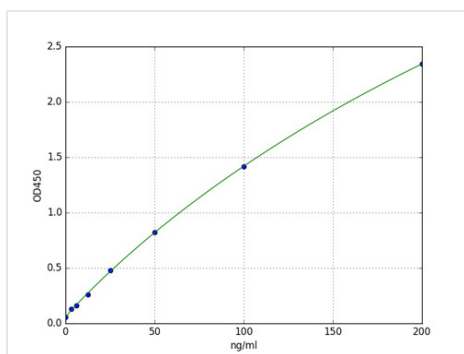
PRODUCT SYNONYMS

Cyclic ADP Ribose Hydrolase; Rat Cyclic ADP Ribose Hydrolase ELISA Kit; cADPRH/CD38 (ADP-ribosyl cyclase 1)/ADP-ribosyl Cyclase/Cyclic ADP-ribose Hydrolase/cADPr hydrolase 1/CD38 antigen/CD38 antigen (p45)/CD38 molecule/Cyclic ADP-ribose hydrolase 1/NAD (+) nucleosidase/T10; cADPRH/CD38 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	60
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat cADPRH ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.015	0.081	0.158	0.302	0.527	0.866	1.347	2.310

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cADPRH/CD38 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat cADPRH antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat cADPRH antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat cADPRH amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat cADPRH can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68989438
NCBI GeneID	952
Molecular Weight	13,788 Da
NCBI Official Full Name	cyclic ADP-ribose hydrolase, partial
NCBI Official Synonym Full Names	CD38 molecule
NCBI Official Symbol	CD38
NCBI Official Synonym Symbols	ADPRC1; ADPRC 1
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
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://www.aaabiotech.com/cadprh-cd38-rat-elisa-kits/cyclic-adp-ribose-hydrolase/99791>