

Rat Cyclic ADP Ribose Hydrolase (cADPRH) ELISA Kit | cADPRH elisa kit

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CATALOG #
AAA183908

REACTIVITY
Rat

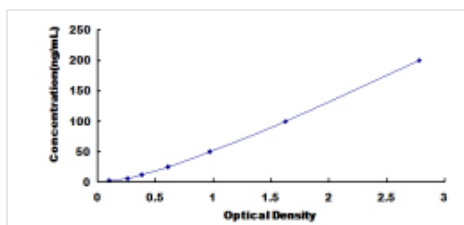
PRODUCT SYNONYMS

Cyclic ADP Ribose Hydrolase (cADPRH); Rat Cyclic ADP Ribose Hydrolase (cADPRH) ELISA Kit; CD38; ADPRC 1; c-ADPRH; T10; p45; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; cADPRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cyclic ADP Ribose Hydrolase (cADPRH). No significant cross-reactivity or interference between Cyclic ADP Ribose Hydrolase (cADPRH) and analogues was observed.
Sequence Length	60
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.24ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cyclic ADP Ribose Hydrolase (cADPRH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cyclic ADP Ribose Hydrolase (cADPRH) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cADPRH elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cyclic ADP Ribose Hydrolase (cADPRH). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cyclic ADP Ribose Hydrolase (cADPRH). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cyclic ADP Ribose Hydrolase (cADPRH), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cyclic ADP Ribose Hydrolase (cADPRH) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68989438
NCBI GeneID	952
UniProt Accession #	P28907; O00121; O00122; Q96HY4
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

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/rat-elisa-kits/cyclic-adp-ribose-hydrolase-cadprh/183908>