

Human Adenylate cyclase type 8 (ADCY8) ELISA Kit | ADCY8 elisa kit

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CATALOG #
AAA27079

REACTIVITY
Human

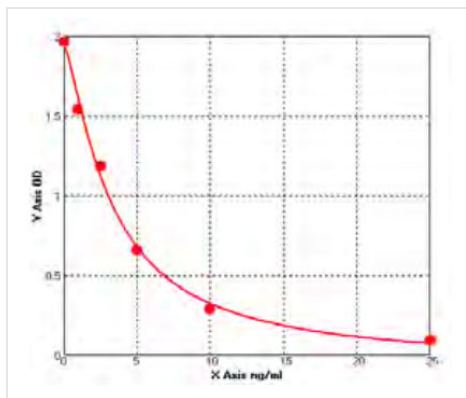
PRODUCT SYNONYMS

Adenylate cyclase type 8 (ADCY8); Human Adenylate cyclase type 8 (ADCY8) ELISA Kit; ADCY8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADCY8. No significant cross-reactivity or interference between ADCY8 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADCY8 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY8 elisa kit	Principle of the Assay: ADCY8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADCY8 antibody and an ADCY8-HRP conjugate. The assay sample and buffer are incubated together with ADCY8-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ADCY8 concentration since ADCY8 from samples and ADCY8-HRP conjugate compete for the anti-ADCY8 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY8 from the sample, fewer sites are left to bind ADCY8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY8 concentration in each sample is interpolated from this standard curve. Intended Uses: This ADCY8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADCY8. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557257
NCBI GeneID	114
NCBI Accession #	NP_001106.1
NCBI GenBank Nucleotide #	NM_001115.2
Molecular Weight	140,122 Da
NCBI Official Full Name	adenylate cyclase type 8
NCBI Official Synonym Full Names	adenylate cyclase 8 (brain)
NCBI Official Symbol	ADCY8
NCBI Official Synonym Symbols	AC8; ADCY3; HBAC1
NCBI Protein Information	adenylate cyclase type 8; adenylyl cyclase 8; ATP pyrophosphate-lyase 8; adenylyl cyclase-8, brain; adenylate cyclase type VIII; ca(2+)/calmodulin-activated adenylyl cyclase
UniProt Protein Name	Adenylate cyclase type 8
UniProt Gene Name	ADCY8
UniProt Synonym Gene Names	AC8
UniProt Entry Name	ADCY8_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.