

Human Adenylate cyclase type 6 (ADCY6) ELISA Kit | ADCY6 elisa kit

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CATALOG #
AAA246606

REACTIVITY
Human

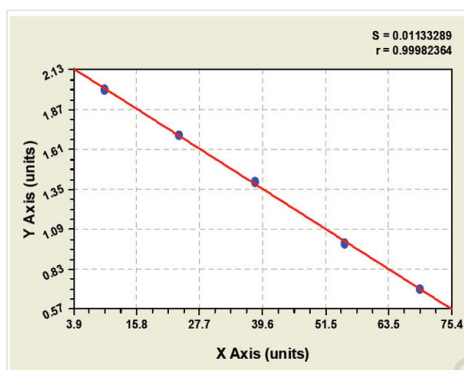
PRODUCT SYNONYMS

Adenylate cyclase type 6 (ADCY6); Human Adenylate cyclase type 6 (ADCY6) ELISA Kit; ADCY6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ADCY6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADCY6. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY6 elisa kit

Principle of the assay: ADCY6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADCY6 antibody and an ADCY6-HRP conjugate. The assay sample and buffer are incubated together with ADCY6-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 ADCY6 concentration since ADCY6 from samples and ADCY6-HRP conjugate compete for the anti-ADCY6 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY6 from the sample, fewer sites are left to bind ADCY6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY6 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10947061
NCBI GeneID	112
NCBI Accession #	NP_066193.1
NCBI GenBank Nucleotide #	NM_020983.2
Molecular Weight	124,865 Da
NCBI Official Full Name	adenylate cyclase type 6 isoform b
NCBI Official Synonym Full Names	adenylate cyclase 6
NCBI Official Symbol	ADCY6
NCBI Official Synonym Symbols	AC6
NCBI Protein Information	adenylate cyclase type 6; adenylyl cyclase 6; ATP pyrophosphate-lyase 6; adenylate cyclase type VI; ca(2+)-inhibitable adenylyl cyclase
UniProt Protein Name	Adenylate cyclase type 6
UniProt Gene Name	ADCY6
UniProt Synonym Gene Names	KIAA0422
UniProt Entry Name	ADCY6_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/human-elisa-kits/adenylate-cyclase-type-6-adcy6/246606>