

Human Adenylate Cyclase ELISA Kit | ADCY elisa kit

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CATALOG #
AAA97095

REACTIVITY
Human

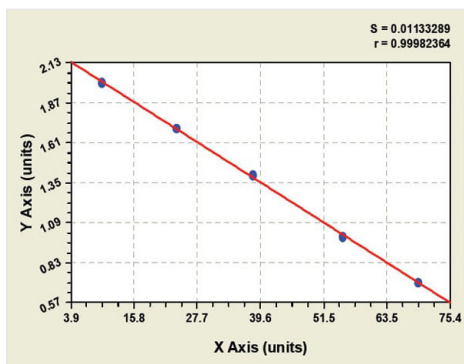
PRODUCT SYNONYMS

Adenylate Cyclase; Human Adenylate Cyclase ELISA Kit; ADCY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1 25ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This ADCY ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADCY. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	495425573
NCBI Accession #	WP_008150270.1
NCBI GenBank Nucleotide #	WP_008150270.1
Molecular Weight	108,792 Da
NCBI Official Full Name	adenylate cyclase
UniProt Protein Name	Adenylate cyclase
UniProt Entry Name	W6V2U9_9PSED

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/adcy-human-elisa-kits/adenylate-cyclase/97095>