

Human Adenylate Cyclase Type 1 (ADCY1) ELISA Kit | ADCY1 elisa kit

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CATALOG #
AAA331117

REACTIVITY
Human

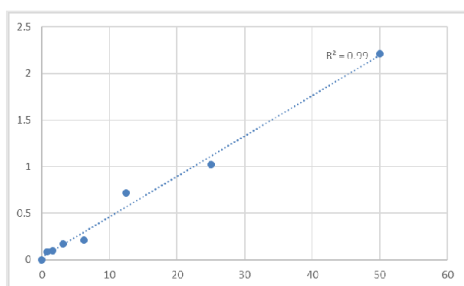
PRODUCT SYNONYMS

Adenylate Cyclase Type 1 (ADCY1); Human Adenylate Cyclase Type 1 (ADCY1) ELISA Kit; ADCY1; AC1; 3; 5-cyclic AMP synthetase; ATP pyrophosphate-lyase; Ca(2+)/calmodulin-activated adenyl cyclase; adenyl cyclase; adenylate cyclase 1; adenylate cyclase type I; ADCY1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Adenylate cyclase type 1 (ADCY1) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADCY1. No significant cross-reactivity or interference between Human ADCY1 and analogues was observed.
Sequence Length	1119
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Adenylate cyclase type 1 (ADCY1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADCY1 elisa kit	Description: This Human Adenylate cyclase type 1 (ADCY1) ELISA Kit employs a two-site sandwich ELISA to quantitate ADCY1 in samples. An antibody specific for ADCY1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADCY1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADCY1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADCY1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Adenylate cyclase type 1 (ADCY1) encodes a member of the of adenylate cyclase gene family that is primarily expressed in the brain. Adenylate cyclase 1 is regulated by calcium/calmodulin concentration and may be involved in brain development. Alternate splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31083193
NCBI GeneID	107
NCBI Accession #	NP_066939.1
NCBI GenBank Nucleotide #	NP_066939.1
UniProt Accession #	Q08828
NCBI Official Full Name	adenylate cyclase type 1 isoform 1
NCBI Official Synonym Full Names	adenylate cyclase 1
NCBI Official Symbol	ADCY1
NCBI Official Synonym Symbols	AC1; DFNB44
NCBI Protein Information	adenylate cyclase type 1
UniProt Protein Name	Adenylate cyclase type 1
UniProt Gene Name	ADCY1

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/human-elisa-kits/adenylate-cyclase-type-1-adcy1/331117>