

Mouse Adenylate cyclase type 5 (ADCY5) ELISA Kit | ADCY5 elisa kit

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CATALOG #
AAA245810

REACTIVITY
Mouse

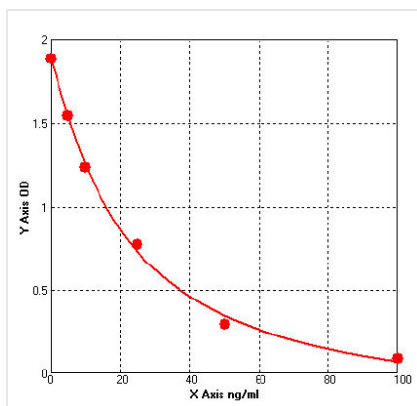
PRODUCT SYNONYMS

Adenylate cyclase type 5 (ADCY5); Mouse Adenylate cyclase type 5 (ADCY5) ELISA Kit; ADCY5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ADCY5. No significant cross-reactivity or interference between ADCY5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADCY5 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY5 elisa kit	Principle of the Assay: ADCY5 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ADCY5 antibody and an ADCY5-HRP conjugate. The assay sample and buffer are incubated together with ADCY5-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 ADCY5 concentration since ADCY5 from samples and ADCY5-HRP conjugate compete for the anti-ADCY5 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY5 from the sample, fewer sites are left to bind ADCY5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY5 concentration in each sample is interpolated from this standard curve. Intended Uses: This ADCY5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ADCY5. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	314122162
NCBI GeneID	111
NCBI Accession #	NP_001186571.1
NCBI GenBank Nucleotide #	NM_001199642.1
Molecular Weight	102,606 Da
NCBI Official Full Name	adenylate cyclase type 5 isoform 2
NCBI Official Synonym Full Names	adenylate cyclase 5
NCBI Official Symbol	ADCY5
NCBI Official Synonym Symbols	AC5; FDFM
NCBI Protein Information	adenylate cyclase type 5; adenylyl cyclase 5; adenylate cyclase type V; ATP pyrophosphate-lyase 5
UniProt Protein Name	Adenylate cyclase type 5
UniProt Gene Name	ADCY5
UniProt Entry Name	ADCY5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/adenylate-cyclase-type-5-adcy5/245810>