

Human Adenylate Cyclase Type 5 (ADCY5) ELISA Kit | ADCY5 elisa kit

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CATALOG #
AAA331119

REACTIVITY
Human

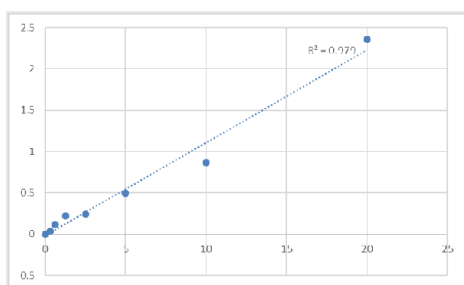
PRODUCT SYNONYMS

Adenylate Cyclase Type 5 (ADCY5); Human Adenylate Cyclase Type 5 (ADCY5) ELISA Kit; ADCY5; AC5; adenylate cyclase; type V; ADCY5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Adenylate cyclase type 5 (ADCY5) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADCY5. No significant cross-reactivity or interference between Human ADCY5 and analogues was observed.
Sequence Length	911
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 5 (ADCY5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADCY5 elisa kit	Description: This Human Adenylate cyclase type 5 (ADCY5) ELISA Kit employs a two-site sandwich ELISA to quantitate ADCY5 in samples. An antibody specific for ADCY5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADCY5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADCY5 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 ADCY5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Ludwig and Seuwen (2002) cloned full-length ADCY5. EST database analysis revealed 2 alternative polyadenylation sites. The deduced protein contains 1,261 amino acids. Semiquantitative RT-PCR detected high expression of ADCY5 in heart and testis, moderate expression in brain, prostate, ovary, small intestine, and colon, and low expression in lung and liver. Gaudin et al. (1994) mapped the ADCY5 gene to chromosome 3. Using isotopic in situ hybridization, Haber et al. (1994) mapped the ADCY5 gene to 3q13.2-q21. By fluorescence in situ hybridization, Edelhoff et al. (1995) mapped the ADCY5 gene to human chromosome 3q13 and to mouse chromosome 16 in the B5 region. In both species, the gene maps close to GAP43.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	314122162
NCBI GeneID	111
NCBI Accession #	NP_001186571.1
NCBI GenBank Nucleotide #	NP_001186571.1
UniProt Accession #	O95622
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
UniProt Protein Name	Adenylate cyclase type 5
UniProt Gene Name	ADCY5
UniProt Synonym Gene Names	AC5

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.