

Human Adenylate cyclase type 8 (ADCY8) ELISA Kit | ADCY8 elisa kit

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CATALOG #
AAA190405

REACTIVITY
Human

PRODUCT SYNONYMS

Adenylate cyclase type 8 (ADCY8); Human Adenylate cyclase type 8 (ADCY8) ELISA Kit; AC8; ADCY3; HBAC1; adenylate cyclase 8|adenylyl cyclase-8; brain; ADCY8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ADCY8. No significant cross-reactivity or interference between Human ADCY8 and analogues was observed.
Assay Type	Quantitive Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.1ng/mL
Detection Wavelength	450nm
Assay Duration	1-4.5h
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Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate ADCY8 in samples. An antibody specific for ADCY8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADCY8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADCY8 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 ADCY8 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557257
NCBI GeneID	114
NCBI Accession #	NP_001106.1
NCBI GenBank Nucleotide #	NM_001115.2

UniProt Accession #	P40145
Molecular Weight	140,122 Da
NCBI Official Full Name	adenylate cyclase type 8
NCBI Official Synonym Full Names	adenylate cyclase 8 (brain)
NCBI Official Symbol	ADCY8
NCBI Official Synonym Symbols	AC8; ADCY3; HBAC1
NCBI Protein Information	adenylate cyclase type 8; adenylyl cyclase 8; ATP pyrophosphate-lyase 8; adenylyl cyclase-8, brain; adenylate cyclase type VIII; ca(2+)/calmodulin-activated adenylyl cyclase
UniProt Protein Name	Adenylate cyclase type 8
UniProt Gene Name	ADCY8
UniProt Synonym Gene Names	AC8
UniProt Entry Name	ADCY8_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://www.aaabiotech.com/human-elisa-kits/adenylate-cyclase-type-8-adcy8/190405>