

Human Adenylate Cyclase 10, Soluble (ADCY10) ELISA Kit | ADCY10 elisa kit

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CATALOG #
AAA68463

REACTIVITY
Human

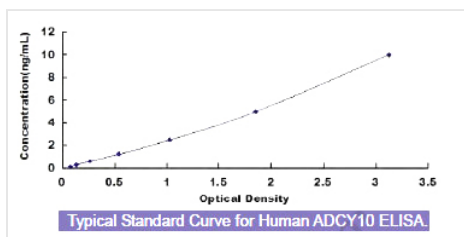
PRODUCT SYNONYMS

Adenylate Cyclase 10; Soluble (ADCY10); Human Adenylate Cyclase 10; Soluble (ADCY10) ELISA Kit; SAC; HCA2; SACI; Sacy; Testicular soluble adenylyl cyclase; Hypercalciuria; Absorptive 2; AH-related protein; Germ cell soluble adenylyl cyclase; ADCY10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADCY10. No significant cross-reactivity or interference between ADCY10 and analogues was observed.
Sequence Length	1457
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.051ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADCY10 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADCY10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ADCY10 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADCY10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADCY10. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ADCY10, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ADCY10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	268370055
NCBI GeneID	55811
NCBI Accession #	NP_001161221.1
NCBI GenBank Nucleotide #	NM_001167749.2
UniProt Accession #	Q96PN6; O95558; Q5R329; Q5R330; Q8WXV4; Q9NNX0; B4DZF0; F5GWS5
Molecular Weight	169,750 Da
NCBI Official Full Name	adenylate cyclase type 10 isoform 2
NCBI Official Synonym Full Names	adenylate cyclase 10
NCBI Official Symbol	ADCY10
NCBI Official Synonym Symbols	SAC; HCA2; SACI; Sacy; hsAC; HEL-S-7a
NCBI Protein Information	adenylate cyclase type 10
UniProt Protein Name	Adenylate cyclase type 10
UniProt Gene Name	ADCY10
UniProt Synonym Gene Names	SAC; hsAC; sAC

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/human-elisa-kits/adenylate-cyclase-10-soluble-adcy10/68463>