

Human Adenosylhomocysteinase (AHCY) ELISA Kit | AHCY elisa kit

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CATALOG #
AAA67681

REACTIVITY
Human

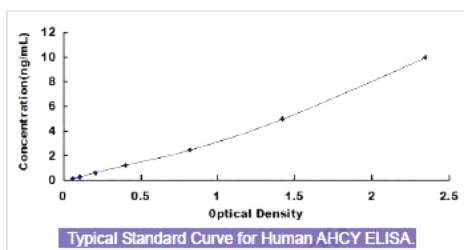
PRODUCT SYNONYMS

Adenosylhomocysteinase (AHCY); Human Adenosylhomocysteinase (AHCY) ELISA Kit; SAHH; AdoHcyase; S-Adenosylhomocysteine Hydrolase; S-adenosyl-L-homocysteine hydrolase; AHCY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AHCY. No significant cross-reactivity or interference between AHCY and analogues was observed.
Sequence Length	432
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.069ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AHCY 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 AHCY were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AHCY elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AHCY in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AHCY. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AHCY. 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 AHCY, 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 AHCY 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 #	9951915
NCBI GeneID	191
NCBI Accession #	NP_000678.1
NCBI GenBank Nucleotide #	NM_000687.3
UniProt Accession #	P23526; Q96A36; A8K307; B3KUN3; E1P5P2; F5H737
Molecular Weight	44,659 Da
NCBI Official Full Name	adenosylhomocysteinase isoform 1
NCBI Official Synonym Full Names	adenosylhomocysteinase
NCBI Official Symbol	AHCY
NCBI Official Synonym Symbols	SAHH; adoHcyase
NCBI Protein Information	adenosylhomocysteinase
UniProt Protein Name	Adenosylhomocysteinase
UniProt Gene Name	AHCY
UniProt Synonym Gene Names	SAHH; AdoHcyase

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.