

Human Hydroxyacyl Coenzyme A Dehydrogenase (HADH) ELISA Kit | HADH elisa kit

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CATALOG #
AAA149883

REACTIVITY
Human

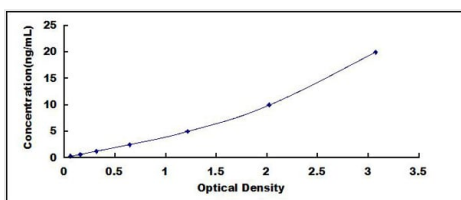
PRODUCT SYNONYMS

Hydroxyacyl Coenzyme A Dehydrogenase (HADH); Human Hydroxyacyl Coenzyme A Dehydrogenase (HADH) ELISA Kit; HADHSC; HADH1; SCHAD; L-3-Hydroxyacyl-Coenzyme A Dehydrogenase; Short Chain; Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase; HADH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Hydroxyacyl Coenzyme A Dehydrogenase (HADH). No significant cross-reactivity or interference between Hydroxyacyl Coenzyme A Dehydrogenase (HADH) and analogues was observed.
Sequence Length	314
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Hydroxyacyl Coenzyme A Dehydrogenase (HADH) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Hydroxyacyl Coenzyme A Dehydrogenase (HADH) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HADH elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Hydroxyacyl Coenzyme A Dehydrogenase (HADH). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Hydroxyacyl Coenzyme A Dehydrogenase (HADH). 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 Hydroxyacyl Coenzyme A Dehydrogenase (HADH), 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 Hydroxyacyl Coenzyme A Dehydrogenase (HADH) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HADH elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	296179429
NCBI GeneID	3033
NCBI Accession #	NP_005318.3
NCBI GenBank Nucleotide #	NP_005318.3
UniProt Accession #	Q16836
NCBI Official Full Name	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	hydroxyacyl-CoA dehydrogenase
NCBI Official Symbol	HADH
NCBI Official Synonym Symbols	HAD; HCDH; HHF4; HADH1; SCHAD; HADHSC; MSCHAD
NCBI Protein Information	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial
UniProt Protein Name	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial
UniProt Gene Name	HADH
UniProt Synonym Gene Names	HAD; HADHSC; SCHAD; HCDH
UniProt Entry Name	HCDH_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://stage.aaabiotech.com/human-elisa-kits/hydroxyacyl-coenzyme-a-dehydrogenase-hadh/149883>