

Chicken Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial (HADH) ELISA Kit | HADH elisa kit

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CATALOG #
AAA244872

REACTIVITY
Chicken

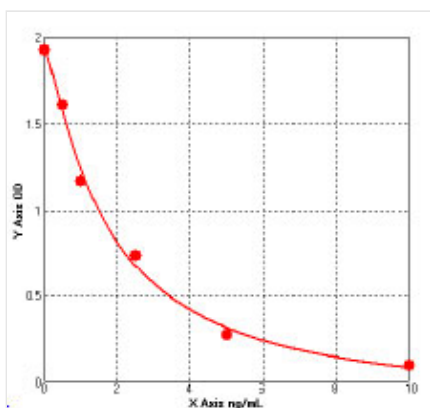
PRODUCT SYNONYMS

Hydroxyacyl-coenzyme A dehydrogenase; mitochondrial (HADH); Chicken Hydroxyacyl-coenzyme A dehydrogenase; mitochondrial (HADH) ELISA Kit; HADH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of HADH. No significant cross-reactivity or interference between HADH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HADH and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HADH elisa kit	Intended Uses: This HADH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken HADH. This ELISA kit for research use only! Principle of the Assay: HADH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HADH antibody and an HADH-HRP conjugate. The assay sample and buffer are incubated together with HADH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HADH concentration since HADH from samples and HADH-HRP conjugate compete for the anti-HADH antibody binding site. Since the number of sites is limited, as more sites are occupied by HADH from the sample, fewer sites are left to bind HADH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HADH concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HADH elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	296179429
NCBI GeneID	3033
NCBI Accession #	NP_005318.3
NCBI GenBank Nucleotide #	NM_005327.4
Molecular Weight	36,051 Da
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; short-chain 3-hydroxyacyl-CoA dehydrogenase; L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain; medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase
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.