

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

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CATALOG #

AAA68568

REACTIVITY

Human

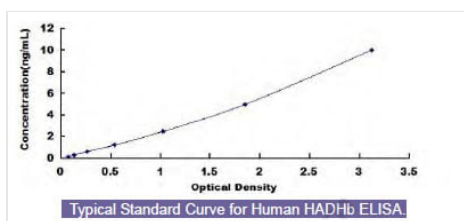
PRODUCT SYNONYMS

Hydroxyacyl Coenzyme A Dehydrogenase Beta (HADHb); Human Hydroxyacyl Coenzyme A Dehydrogenase Beta (HADHb) ELISA Kit; MTPB; Mitochondrial Trifunctional Protein; Beta Subunit; 3-Ketoacyl-Coenzyme A Thiolase/Enoyl-Coenzyme A Hydratase(Trifunctional Protein)Beta Subunit; Beta-ketothiolase; HADHb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HADHb. No significant cross-reactivity or interference between HADHb and analogues was observed.
Sequence Length	474
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.053ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HADHb 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 HADHb 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 HADHB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HADHB 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 HADHB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HADHB. 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 HADHB, 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 HADHB 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 #	4504327
NCBI GeneID	3032
NCBI Accession #	NP_000174.1
NCBI GenBank Nucleotide #	NM_000183.2
UniProt Accession #	P55084; O14969; Q53TA6; Q96C77; Q9H3F5; Q9T2V8; B2RB16; B4E2W0
Molecular Weight	48,880 Da
NCBI Official Full Name	trifunctional enzyme subunit beta, mitochondrial isoform 1
NCBI Official Synonym Full Names	hydroxyacyl-CoA dehydrogenase trifunctional multienzyme complex subunit beta
NCBI Official Symbol	HADHB
NCBI Official Synonym Symbols	ECHB; MTPB; MSTP029; TP-BETA
NCBI Protein Information	trifunctional enzyme subunit beta, mitochondrial
UniProt Protein Name	Trifunctional enzyme subunit beta, mitochondrial
UniProt Gene Name	HADHB

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.