

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

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CATALOG #
AAA63687

REACTIVITY
Rat

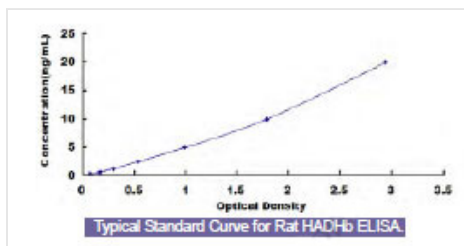
PRODUCT SYNONYMS

Hydroxyacyl Coenzyme A Dehydrogenase Beta (HADHb); Rat Hydroxyacyl Coenzyme A Dehydrogenase Beta (HADHb) ELISA Kit; Metastasis inhibition factor NM23; NDK A; NDP kinase A; Nme1; Nucleoside diphosphate kinase A; Tumor metastatic process-associated protein; HADHb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	475
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.135ng/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%
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 HADHb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HADHb in rat tissue homogenates and 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 #	19424338
NCBI GeneID	171155
NCBI Accession #	NP_598302.1
NCBI GenBank Nucleotide #	NM_133618.3
UniProt Accession #	Q60587
Molecular Weight	51,414 Da
NCBI Official Full Name	trifunctional enzyme subunit beta, mitochondrial
NCBI Official Synonym Full Names	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit
NCBI Official Symbol	Hadhb
NCBI Official Synonym Symbols	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.