

Human Electron Transferring Flavoprotein Dehydrogenase (ETFDH) ELISA Kit | ETFDH elisa kit

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CATALOG #
AAA65626

REACTIVITY
Human

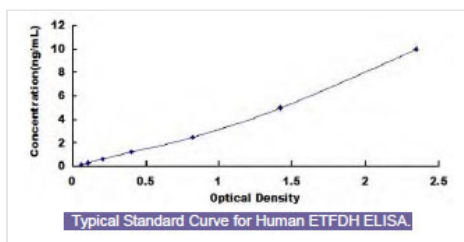
PRODUCT SYNONYMS

Electron Transferring Flavoprotein Dehydrogenase (ETFDH); Human Electron Transferring Flavoprotein Dehydrogenase (ETFDH) ELISA Kit; MADD; ETFQO; Electron transfer flavoprotein-ubiquinone oxidoreductase; mitochondrial; ETFDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ETFDH. No significant cross-reactivity or interference between ETFDH and analogues was observed.
Sequence Length	570
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.072ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ETFDH 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 ETFDH 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 ETFDH elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ETFDH 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 ETFDH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ETFDH. 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 ETFDH, 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 ETFDH 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 #	528881081
NCBI GeneID	2110
NCBI Accession #	NP_001268666.1
NCBI GenBank Nucleotide #	NM_001281737.1
UniProt Accession #	Q16134; Q7Z347; B4E3R9; J3KND9; AAB24227
Molecular Weight	62,825 Da
NCBI Official Full Name	electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial isoform 2
NCBI Official Synonym Full Names	electron transfer flavoprotein dehydrogenase
NCBI Official Symbol	ETFDH
NCBI Official Synonym Symbols	MADD; ETFQO
NCBI Protein Information	electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial
UniProt Protein Name	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial
UniProt Gene Name	ETFDH
UniProt Synonym Gene Names	ETF-QO; ETF-ubiquinone oxidoreductase; ETF dehydrogenase

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.