

Human Electron Transfer Flavoprotein Alpha Polypeptide (ETFa) ELISA Kit | ETFa elisa kit

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CATALOG #
AAA186595

REACTIVITY
Human

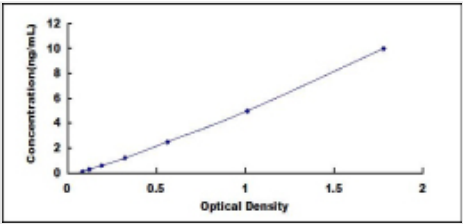
PRODUCT SYNONYMS

Electron Transfer Flavoprotein Alpha Polypeptide (ETFa); Human Electron Transfer Flavoprotein Alpha Polypeptide (ETFa) ELISA Kit; EMA; GA2; MADD; Glutaric Aciduria II; ETFa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Electron Transfer Flavoprotein Alpha Polypeptide (ETFa). No significant cross-reactivity or interference between Electron Transfer Flavoprotein Alpha Polypeptide (ETFa) and analogues was observed.
Sequence Length	284
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Electron Transfer Flavoprotein Alpha Polypeptide (ETFa) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Electron Transfer Flavoprotein Alpha Polypeptide (ETFa) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
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 ETFa 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 Electron Transfer Flavoprotein Alpha Polypeptide (ETFa). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Electron Transfer Flavoprotein Alpha Polypeptide (ETFa). 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 Electron Transfer Flavoprotein Alpha Polypeptide (ETFa), 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 Electron Transfer Flavoprotein Alpha Polypeptide (ETFa) 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 #	4503607
NCBI GeneID	2108
NCBI Accession #	NP_000117.1
NCBI GenBank Nucleotide #	NM_000126.3
UniProt Accession #	P13804; Q53XN3; B4DT43
Molecular Weight	30,026 Da
NCBI Official Full Name	electron transfer flavoprotein subunit alpha, mitochondrial isoform a
NCBI Official Synonym Full Names	electron transfer flavoprotein alpha subunit
NCBI Official Symbol	ETFa
NCBI Official Synonym Symbols	EMA; GA2; MADD
NCBI Protein Information	electron transfer flavoprotein subunit alpha, mitochondrial
UniProt Protein Name	Electron transfer flavoprotein subunit alpha, mitochondrial
UniProt Gene Name	ETFa
UniProt Synonym Gene Names	Alpha-ETF

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.