

Human Alpha-ketoglutarate-dependent dioxygenase FTO ELISA Kit | FTO elisa kit

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CATALOG #
AAA310205

REACTIVITY
Human

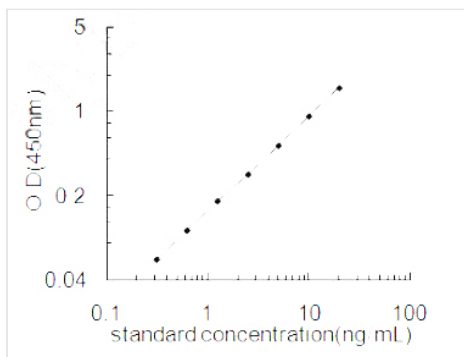
PRODUCT SYNONYMS

Alpha-ketoglutarate-dependent dioxygenase FTO; Human Alpha-ketoglutarate-dependent dioxygenase FTO ELISA Kit; Fat mass and obesity-associated protein; FTO; KIAA1752; 1.14.11.-; FTO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Alpha-ketoglutarate-dependent dioxygenase FTO. No significant cross-reactivity or interference was observed.
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids
Detection Range	0.31 ng/mL -20.0 ng/mL
Assay Time	3-5h
Sample Volume	100T
Detection Wavelength	450 nm
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTO elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Alpha-ketoglutarate-dependent dioxygenase FTO. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Alpha-ketoglutarate-dependent dioxygenase FTO and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Alpha-ketoglutarate-dependent dioxygenase FTO, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Alpha-ketoglutarate-dependent dioxygenase FTO in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Alpha-ketoglutarate-dependent dioxygenase FTO concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122937263
NCBI GeneID	79068
NCBI Accession #	NP_001073901.1
NCBI GenBank Nucleotide #	NM_001080432.2
UniProt Accession #	Q9C0B1; Q0P676; Q7Z785; A2RUH1; B2RNS0
Molecular Weight	12,218 Da
NCBI Official Full Name	alpha-ketoglutarate-dependent dioxygenase FTO
NCBI Official Synonym Full Names	FTO, alpha-ketoglutarate dependent dioxygenase
NCBI Official Symbol	FTO
NCBI Official Synonym Symbols	GDFD; ALKBH9; BMIQ14
NCBI Protein Information	alpha-ketoglutarate-dependent dioxygenase FTO
UniProt Protein Name	Alpha-ketoglutarate-dependent dioxygenase FTO
UniProt Gene Name	FTO
UniProt Synonym Gene Names	KIAA1752

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/alpha-ketoglutarate-dependent-dioxygenase-fto/310205>