

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

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CATALOG #
AAA196214

REACTIVITY
Human

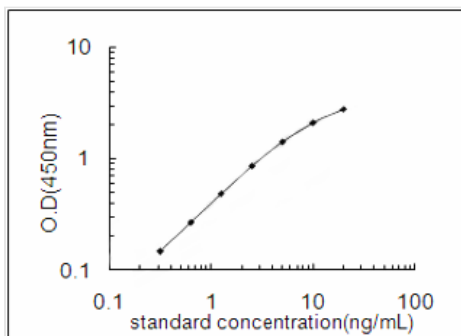
PRODUCT SYNONYMS

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.
Sequence Length	505
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids
Detection Range	0.31 ng/mL -20.0 ng/mL.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTO elisa kit

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.

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 $\pm$ 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937263
NCBI GeneID	79068
NCBI Accession #	NP_001073901.1
NCBI GenBank Nucleotide #	NM_001080432.2
Molecular Weight	12,218 Da
NCBI Official Full Name	alpha-ketoglutarate-dependent dioxygenase FTO
NCBI Official Synonym Full Names	fat mass and obesity associated
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
UniProt Entry Name	FTO_HUMAN

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/196214>