

Rat Alpha ketoglutae-dependent dioxygenase FTO (FTO) ELISA Kit | FTO elisa kit

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CATALOG # AAA245785	REACTIVITY Rat
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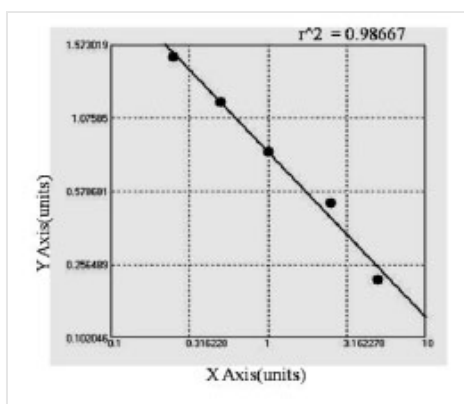
PRODUCT SYNONYMS

Alpha ketoglutae-dependent dioxygenase FTO (FTO); Rat Alpha ketoglutae-dependent dioxygenase FTO (FTO) ELISA Kit; FTO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FTO elisa kit

Intended Uses: This FTO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FTO. This ELISA kit for research use only!

Principle of the Assay: FTO ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FTO antibody and an FTO-HRP conjugate. The assay sample and buffer are incubated together with FTO-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FTO concentration since FTO from samples and FTO-HRP conjugate compete for the anti-FTO antibody binding site. Since the number of sites is limited, as more sites are occupied by FTO from the sample, fewer sites are left to bind FTO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FTO concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148841515
NCBI GeneID	79068
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	ALKBH9
NCBI Protein Information	alpha-ketoglutarate-dependent dioxygenase FTO; protein fto; AlkB homolog 9; fat mass and obesity-associated protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/alpha-ketoglutae-dependent-dioxygenase-fto-fto/245785>