

Mouse Transcription Factor A, Mitochondrial (TFAM) ELISA Kit | TFAM elisa kit

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CATALOG #
AAA67016

REACTIVITY
Mouse

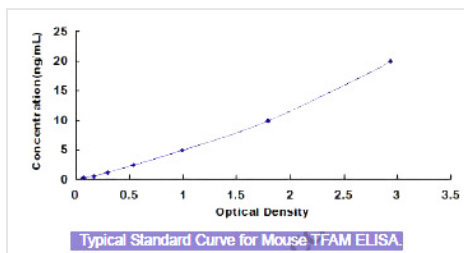
PRODUCT SYNONYMS

Transcription Factor A; Mitochondrial (TFAM); Mouse Transcription Factor A; Mitochondrial (TFAM) ELISA Kit; MtTF1; TCF6; TCF6L2; mtTFA; Mitochondrial transcription factor 1; Transcription factor 6-like 2; TFAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TFAM. No significant cross-reactivity or interference between TFAM and analogues was observed.
Sequence Length	243
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.107ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TFAM 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 TFAM 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 TFAM elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TFAM in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TFAM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TFAM. 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 TFAM, 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 TFAM 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 #	6678303
NCBI GeneID	21780
NCBI Accession #	NP_033386.1
NCBI GenBank Nucleotide #	NM_009360.4
UniProt Accession #	P40630; P97894; P97906; Q543I8; Q9DBM9
Molecular Weight	25,036 Da
NCBI Official Full Name	transcription factor A, mitochondrial
NCBI Official Synonym Full Names	transcription factor A, mitochondrial
NCBI Official Symbol	Tfam
NCBI Official Synonym Symbols	Hmgt5; mtTFA; tsHMG; AI661103
NCBI Protein Information	transcription factor A, mitochondrial
UniProt Protein Name	Transcription factor A, mitochondrial
UniProt Gene Name	Tfam
UniProt Synonym Gene Names	Hmgt5; mtTFA; TS-HMG

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.