

Human Transcription Factor A, Mitochondrial ELISA Kit | TFAM elisa kit

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CATALOG #
AAA247234

REACTIVITY
Human

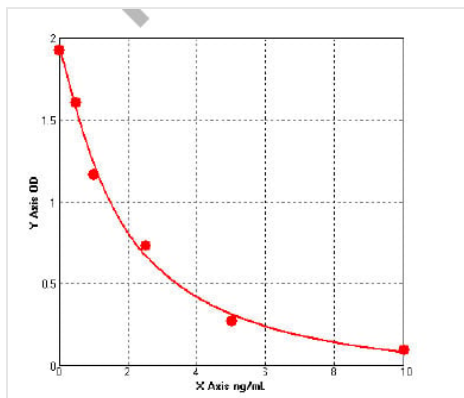
PRODUCT SYNONYMS

Transcription Factor A; Mitochondrial; Human Transcription Factor A; Mitochondrial ELISA Kit; TFAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TFAM and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	246
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFAM elisa kit	Principle of the Assay: TFAM ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TFAM antibody and an TFAM-HRP conjugate. The assay sample and buffer are incubated together with TFAM-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 TFAM concentration since TFAM from samples and TFAM-HRP conjugate compete for the anti-TFAM antibody binding site. Since the number of sites is limited, as more sites are occupied by TFAM from the sample, fewer sites are left to bind TFAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TFAM concentration in each sample is interpolated from this standard curve. Intended Uses: This TFAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TFAM. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507401
NCBI GeneID	7019
NCBI Accession #	NP_003192.1
NCBI GenBank Nucleotide #	NM_003201.2
UniProt Accession #	Q00059; Q5U0C6; A8MRB2; A9QXC6; B5BU05
Molecular Weight	25,466 Da
NCBI Official Full Name	transcription factor A, mitochondrial isoform 1
NCBI Official Synonym Full Names	transcription factor A, mitochondrial
NCBI Official Symbol	TFAM
NCBI Official Synonym Symbols	TCF6; MTTF1; MTTFA; TCF6L1; TCF6L2; TCF6L3; MTDPS15
NCBI Protein Information	transcription factor A, mitochondrial
UniProt Protein Name	Transcription factor A, mitochondrial
UniProt Gene Name	TFAM
UniProt Synonym Gene Names	TCF6; TCF6L2; mtTFA; Mttf1; TCF-6

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/tfam-human-elisa-kits/transcription-factor-a-mitochondrial/247234>