

Mouse Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) ELISA Kit | MTFMT elisa kit

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CATALOG # AAA68181	REACTIVITY Mouse
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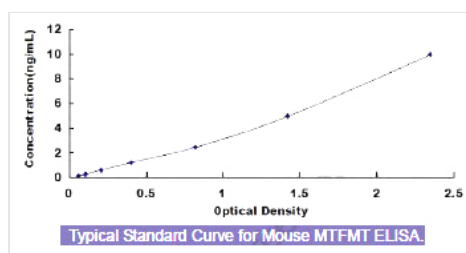
PRODUCT SYNONYMS

Mitochondrial Methionyl tRNA Formyltransferase (MTFMT); Mouse Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) ELISA Kit; MTFMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MTFMT. No significant cross-reactivity or interference between MTFMT and analogues was observed.
Sequence Length	386
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MTFMT 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 MTFMT 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 MTFMT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MTFMT in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MTFMT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MTFMT. 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 MTFMT, 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 MTFMT 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 #	227499995
NCBI GeneID	69606
NCBI Accession #	NP_081410.2
NCBI GenBank Nucleotide #	NM_027134.3
UniProt Accession #	Q9D799; Q8VE89; E9QKZ0
Molecular Weight	43,092 Da
NCBI Official Full Name	methionyl-tRNA formyltransferase, mitochondrial
NCBI Official Synonym Full Names	mitochondrial methionyl-tRNA formyltransferase
NCBI Official Symbol	Mtfmt
NCBI Official Synonym Symbols	2310020P08Rik
NCBI Protein Information	methionyl-tRNA formyltransferase, mitochondrial
UniProt Protein Name	Methionyl-tRNA formyltransferase, mitochondrial
UniProt Gene Name	Mtfmt
UniProt Synonym Gene Names	Fmt; MtFMT

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/mouse-elisa-kits/mitochondrial-methionyl-trna-formyltransferase-mtfmt/68181>