

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

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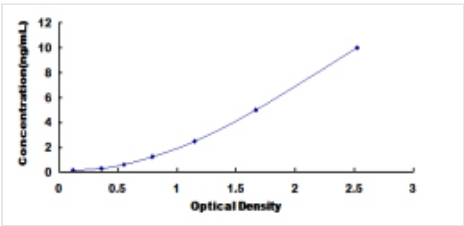
CATALOG # AAA187339	REACTIVITY Mouse
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PRODUCT SYNONYMS

Mitochondrial Methionyl tRNA Formyltransferase (MTFMT); Mouse Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) ELISA Kit; FMT1; MTFMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mitochondrial Methionyl tRNA Formyltransferase (MTFMT). No significant cross-reactivity or interference between Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) and analogues was observed.
Sequence Length	389
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTFMT elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mitochondrial Methionyl tRNA Formyltransferase (MTFMT). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mitochondrial Methionyl tRNA Formyltransferase (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 Mitochondrial Methionyl tRNA Formyltransferase (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 Mitochondrial Methionyl tRNA Formyltransferase (MTFMT) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	410251704
NCBI GeneID	453511
Molecular Weight	43,848 Da
NCBI Official Full Name	mitochondrial methionyl-tRNA formyltransferase
NCBI Official Synonym Full Names	mitochondrial methionyl-tRNA formyltransferase
NCBI Official Symbol	MTFMT
NCBI Protein Information	methionyl-tRNA formyltransferase, mitochondrial
UniProt Protein Name	Mitochondrial methionyl-tRNA formyltransferase
UniProt Gene Name	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.