

Mitochondrial Fission Factor (MFF) CLIA Kit | MFF clia kit

CLIA Kit for Mitochondrial Fission Factor (MFF)

CATALOG #
AAA130320

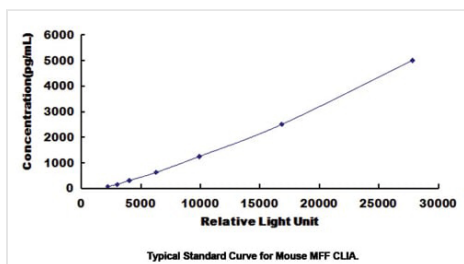
PRODUCT SYNONYMS

Mitochondrial Fission Factor (MFF); CLIA Kit for Mitochondrial Fission Factor (MFF); MFF clia kit

PRODUCT SPECIFICATIONS

Specificity	This assay has high sensitivity and excellent specificity for detection of Mitochondrial Fission Factor (MFF). No significant cross-reactivity or interference between Mitochondrial Fission Factor (MFF) and analogues was observed.
Sequence Length	291
Assay Type	Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	6.859-5000pg/mL. The standard curve concentrations used for the ELISA's were 5000pg/mL, 1666.67pg/mL, 555.56pg/mL, 185.19pg/mL, 61.728pg/mL, 20.576pg/mL, 6.859pg/mL.
Sensitivity	The minimum detectable dose of this kit is typically less than 25pg/mL.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mitochondrial Fission Factor (MFF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mitochondrial Fission Factor (MFF) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Mus musculus (Mouse)
Assay Length	4.5 hours
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MFF clia kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Mitochondrial Fission Factor (MFF) level in the sample or standard.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40254163
NCBI GeneID	75734
NCBI Accession #	NP_083685.2
NCBI GenBank Nucleotide #	NM_029409.2
UniProt Accession #	Q6PCP5; Q3UT87; Q91VG0; Q9D3P5
Molecular Weight	32,931 Da
NCBI Official Full Name	mitochondrial fission factor
NCBI Official Synonym Full Names	mitochondrial fission factor
NCBI Official Symbol	Mff
NCBI Official Synonym Symbols	AI314724; 5230400G24Rik
NCBI Protein Information	mitochondrial fission factor
UniProt Protein Name	Mitochondrial fission factor
UniProt Gene Name	Mff
UniProt Entry Name	MFF_MOUSE

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.