

Mouse Macrophage Migration Inhibitory Factor (MIF) CLIA Kit | MIF clia kit

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CATALOG # AAA188967	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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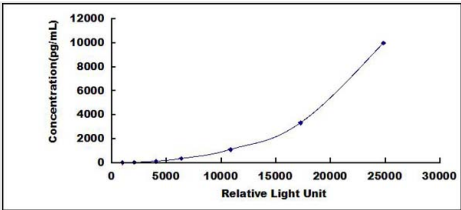
PRODUCT SYNONYMS

Macrophage Migration Inhibitory Factor (MIF); Mouse Macrophage Migration Inhibitory Factor (MIF) CLIA Kit; Macrophage Migration Inhibitory Factor; GIF; GLIF; MMIF; Glycosylation-Inhibiting Factor; L-dopachrome isomerase; L-dopachrome tautomerase; Phenylpyruvate tautomerase; MIF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Macrophage Migration Inhibitory Factor (MIF). No significant cross-reactivity or interference between Macrophage Migration Inhibitory Factor (MIF) and analogues was observed.
Sequence Length	115
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.9pg/mL
Applicable Applications for MIF clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Macrophage Migration Inhibitory Factor (MIF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Macrophage Migration Inhibitory Factor (MIF) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Macrophage Migration Inhibitory Factor (MIF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Macrophage Migration Inhibitory Factor (MIF). 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 Macrophage Migration Inhibitory Factor (MIF) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754696
NCBI GeneID	17319
NCBI Accession #	NP_034928.1
NCBI GenBank Nucleotide #	NP_034928.1
UniProt Accession #	P34884
NCBI Official Full Name	macrophage migration inhibitory factor
NCBI Official Synonym Full Names	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
NCBI Official Symbol	Mif
NCBI Official Synonym Symbols	GIF; DER6; Glif
NCBI Protein Information	macrophage migration inhibitory factor
UniProt Protein Name	Macrophage migration inhibitory factor
UniProt Gene Name	Mif
UniProt Synonym Gene Names	MIF; DER6; GIF
UniProt Entry Name	MIF_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-clia-kits/macrophage-migration-inhibitory-factor-mif/188967>