

Mouse Macrophage Migration Inhibitory Factor (MIF) ELISA Kit | MIF elisa kit

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CATALOG #
AAA65424

REACTIVITY
Mouse

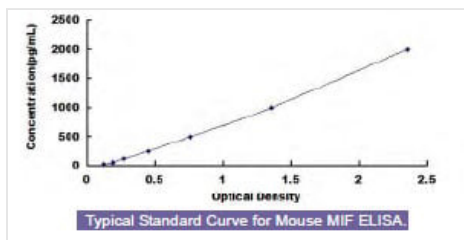
PRODUCT SYNONYMS

Macrophage Migration Inhibitory Factor (MIF); Mouse Macrophage Migration Inhibitory Factor (MIF) ELISA Kit; GIF; GLIF; MMIF; Glycosylation-Inhibiting Factor; MIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MIF. No significant cross-reactivity or interference between MIF and analogues was observed.
Sequence Length	115
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	13.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MIF 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 MIF 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 MIF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MIF in Mouse serum, plasma, 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 MIF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MIF. 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 MIF, 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 MIF 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 #	6754696
NCBI GeneID	17319
NCBI Accession #	NP_034928.1
NCBI GenBank Nucleotide #	NM_010798.2
UniProt Accession #	P34884
Molecular Weight	12,504 Da
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; 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

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/macrophage-migration-inhibitory-factor-mif/65424>