

Mouse Macrophage MigRation Inhibitory Factor ELISA Kit | MIF elisa kit

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CATALOG #
AAA16539

REACTIVITY
Mouse

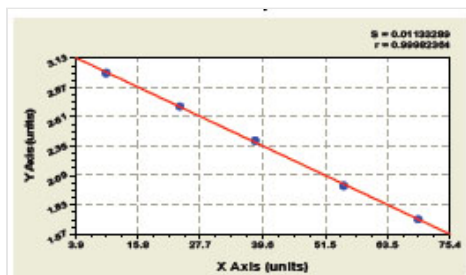
PRODUCT SYNONYMS

Macrophage MigRation Inhibitory Factor; Mouse Macrophage MigRation Inhibitory Factor ELISA Kit; MIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This MIF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MIF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIF elisa kit

Principle of the Assay: MIF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MIF antibody and an MIF-HRP conjugate. The assay sample and buffer are incubated together with MIF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MIF concentration since MIF from samples and MIF-HRP conjugate compete for the anti-MIF antibody binding site. Since the number of sites is limited, as more sites are occupied by MIF from the sample, fewer sites are left to bind MIF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MIF concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MIF elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	47678571
NCBI GeneID	4282
UniProt Accession #	P14174; Q2V4Y5; Q6FHV0; A5Z1R8; B2R4S3
Molecular Weight	12,476 Da
NCBI Official Full Name	MIF
NCBI Official Synonym Full Names	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
NCBI Official Symbol	MIF
NCBI Official Synonym Symbols	GIF; GLIF; MMIF
NCBI Protein Information	macrophage migration inhibitory factor; L-dopachrome isomerase; L-dopachrome tautomerase; phenylpyruvate tautomerase
UniProt Protein Name	Macrophage migration inhibitory factor
UniProt Gene Name	MIF
UniProt Synonym Gene Names	GLIF; MMIF; MIF; GIF
UniProt Entry Name	MIF_HUMAN

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/mif-mouse-elisa-kits/macrophage-migration-inhibitory-factor/16539>