

Guinea Pig Macrophage MigRation Inhibitory Factor ELISA Kit | MIF elisa kit

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CATALOG #
AAA81855

REACTIVITY
Guinea Pig

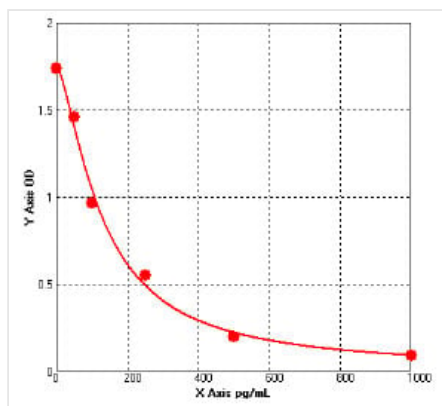
PRODUCT SYNONYMS

Macrophage MigRation Inhibitory Factor; Guinea pig Macrophage MigRation Inhibitory Factor ELISA Kit; MIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MIF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIF elisa kit	Intended Uses: This MIF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig MIF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MIF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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-guinea-pig-pig-elisa-kits/macrophage-migration-inhibitory-factor/81855>