

Human MIF ELISA Kit | MIF elisa kit

MIF Human ELISA Kit

CATALOG # AAA58971	REACTIVITY Human	APPLICATIONS ELISA
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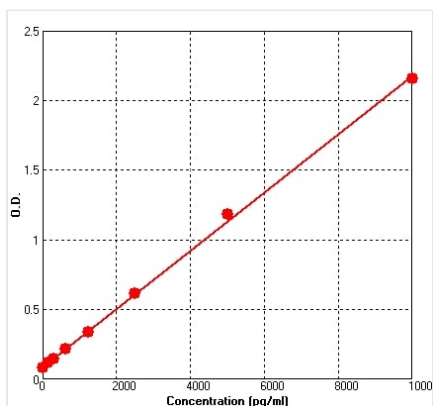
PRODUCT SYNONYMS

MIF; MIF Human ELISA Kit; Human MIF; MIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 20pg/ml
Applicable Applications for MIF elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIF elisa kit	Background/Introduction: Macrophage migration inhibitory factor (MIF or MMIF) also known as glycosylation-inhibiting factor (GIF), L-dopachrome isomerase, or phenylpyruvate tautomerase is a protein that in humans is encoded by the MIF gene. Macrophage migration inhibitory factor assembles into a trimer composed of three identical subunits. Each of these monomers contain two antiparallel alpha helices and a four-stranded beta sheet. The monomers surround a central channel with 3-fold rotational symmetry. MIF plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. It is an inflammatory mediator associated with rheumatoid arthritis (RA) severity. Additionally, evidence suggests that there is a correlation between MIF production and metastatic potential in colorectal cancer. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MIF polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MIF polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MIF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MIF can be calculated.
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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/human-elisa-kits/mif/58971>