

Mouse anti-Human MIF Monoclonal Antibody | anti-MIF antibody

MIF antibody

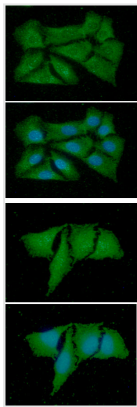
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11724	Mouse	Human	ELISA, Western Blot, Immunocytochemistry, Immunofluorescence

PRODUCT SYNONYMS

MIF; Monoclonal Antibody; MIF antibody; Macrophage migration inhibitory factor; GLIF; MMIF; EC 5.3.2.1; Phenylpyruvate tautomerase; Glycosylation-inhibiting factor; GIF; macrophage migration inhibitory factor (glycosylation-inhibiting factor); ; anti-MIF antibody

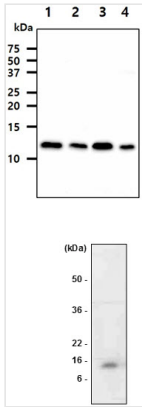
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	4E4
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid in phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	115
Applicable Applications for anti-MIF antibody	ELISA, WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	The antibody has been tested by ELISA and Western Blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.
Immunogen	Recombinant human MIF (1-115 aa) purified from E. coli
Preparation and Storage	Can be stored +2 to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



IF (Immunofluorescence)

Figure 3 and 4: ICC/IF analysis of MIF in Balb/3T3 cells. The cell was stained with AAA11724 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).Figure 5 and 6: ICC/IF analysis of MIF in HeLa cells line. The cell was stained with AAA11724 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue)



WB (Western Blot)

Figure 1: The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MIF antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.Lane 1.: Jurkat cell lysateLane 2.: THP-1 cell lysateLane 3.: HeLa cell lysateLane 4.: U937 cell lysateFigure 2: The cell lysates of HL-60 was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MIF antibody (1:1000). Protein was visualized using a goat anti-mouse secondary antibody conjugated to HRP and ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-MIF antibody	The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration.
Product Categories/Family for anti-MIF antibody	Immunology
References	Weiser WY, et al., (1989) Proc Natl Acad Sci. 86:7522-7526.; Bernhagen J, et al., (1994) Biochemistry. 33:14144-14155; Richard B, et al., (1996) FASEB J. 10:1607-1613

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505185
NCBI GeneID	4282
NCBI Accession #	NP_002406
NCBI GenBank Nucleotide #	NM_002415.1
UniProt Accession #	P14174; Q2V4Y5; Q6FHV0; A5Z1R8; B2R4S3
NCBI Official Full Name	macrophage migration inhibitory factor
NCBI Official Synonym Full Names	macrophage migration inhibitory factor
NCBI Official Symbol	MIF
NCBI Official Synonym Symbols	GIF; GLIF; MMIF
NCBI Protein Information	macrophage migration inhibitory factor
UniProt Protein Name	Macrophage migration inhibitory factor
UniProt Gene Name	MIF
UniProt Synonym Gene Names	GLIF; MMIF; MIF; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/mif-antibody-clone-4e4-western-blot-immunocytochemistry-immunofluorescence-elisa/11724>