

ARG56922 anti-MIF antibody [4E4]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4E4] recognizes MIF
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	4E4
Isotype	IgG1, kappa
Target Name	MIF
Species	Human
Immunogen	Recombinant fragment around aa. 1-114 of Human MIF.
Conjugation	Un-conjugated
Alternate Names	Phenylpyruvate tautomerase; L-dopachrome tautomerase; GLIF; L-dopachrome isomerase; MMIF; Macrophage migration inhibitory factor; MIF; GIF; EC 5.3.2.1; Glycosylation-inhibiting factor; EC 5.3.3.12

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 4282 Human](#)

[Swiss-port # P14174 Human](#)

Gene Symbol

MIF

Gene Full Name

macrophage migration inhibitory factor (glycosylation-inhibiting factor)

Background

This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. [provided by RefSeq, Jul 2008]

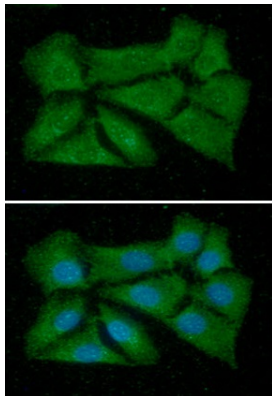
Function

Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity. [UniProt]

Calculated Mw

12 kDa

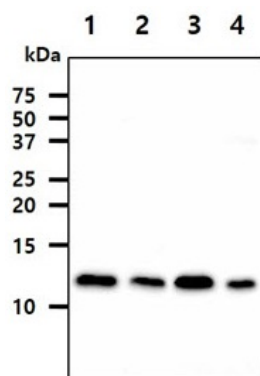
Images



ARG56922 anti-MIF antibody [4E4] ICC/IF image

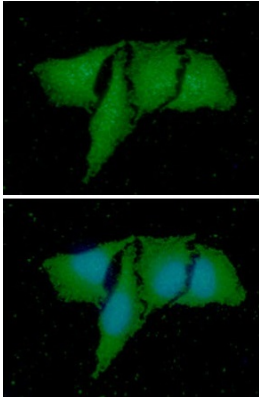
Immunofluorescence: Balb/3T3 cell line stained with ARG56922 anti-MIF antibody [4E4] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56922 anti-MIF antibody [4E4] WB image

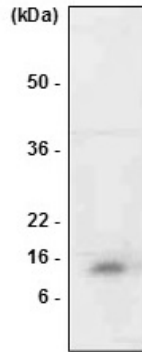
Western blot: 40 µg of 1) Jurkat cell lysate, 2) THP-1 cell lysate, 3) HeLa cell lysate, and 4) U937 cell lysate stained with ARG56922 anti-MIF antibody [4E4] at 1:1000.



ARG56922 anti-MIF antibody [4E4] ICC/IF image

Immunofluorescence: HeLa cell line stained with ARG56922 anti-MIF antibody [4E4] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56922 anti-MIF antibody [4E4] WB image

Western blot: HL-60 cell lysate stained with ARG56922 anti-MIF antibody [4E4] at 1:1000.