

ARG40481 anti-MIF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MIF
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MIF
Species	Human
Immunogen	Recombinant protein corresponding to P2-A115 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	0.5 - 1 µg/ml
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 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 or below. 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.

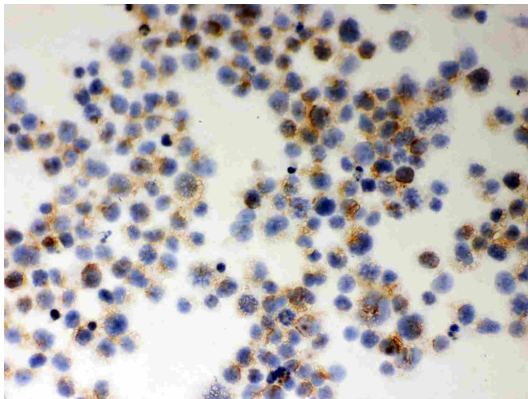
Note

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

Bioinformation

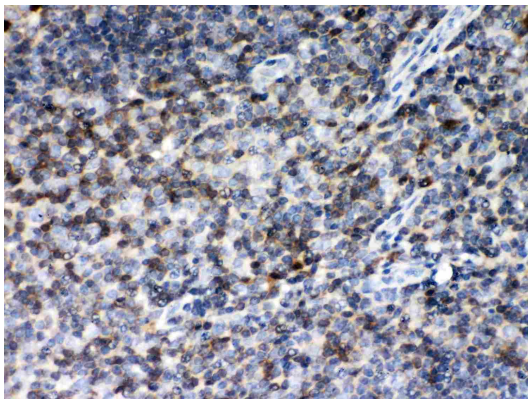
Gene Symbol	MIF
Gene Full Name	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
Background	This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the 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
Cellular Localization	Secreted. Cytoplasm. Note=Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway. Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens. [UniProt]

Images



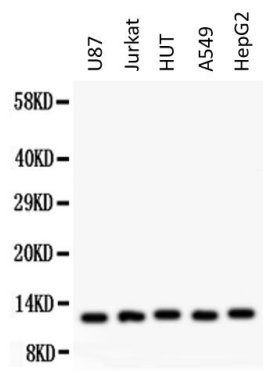
ARG40481 anti-MIF antibody ICC image

Immunocytochemistry: Jurkat cells stained with ARG40481 anti-MIF antibody.



ARG40481 anti-MIF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil stained with ARG40481 anti-MIF antibody.



ARG40481 anti-MIF antibody WB image

Western blot: 40 µg of U87, Jurkat, HUT, A549 and HepG2 whole cell lysates stained with ARG40481 anti-MIF antibody at 0.5 µg/ml dilution.