

MIF Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS12328**Specification**

MIF Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P14174
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	12kDa KDa

MIF Antibody (C-Terminus) - Additional Information**Gene ID** 4282**Other Names**

Macrophage migration inhibitory factor, MIF, 5.3.2.1, Glycosylation-inhibiting factor, GIF, L-dopachrome isomerase, L-dopachrome tautomerase, 5.3.3.12, Phenylpyruvate tautomerase, MIF, GLIF, MMIF

Target/Specificity

Human MIF.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

MIF Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

MIF Antibody (C-Terminus) - Protein Information**Name** MIF {ECO:0000303|PubMed:2552447, ECO:0000312|HGNC:HGNC:7097}**Function**

Pro-inflammatory cytokine involved in the innate immune response to bacterial pathogens (PubMed:15908412, PubMed:17443469, PubMed:23776208). The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense (PubMed:15908412, PubMed:17443469, PubMed:23776208). Counteracts the anti-inflammatory activity of glucocorticoids (PubMed:15908412, PubMed:17443469, PubMed:23776208).

href="http://www.uniprot.org/citations/17443469" target="_blank">17443469, PubMed:23776208). Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known (PubMed:11439086, PubMed:17526494). It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity (PubMed:11439086, PubMed:17526494).

Cellular Location

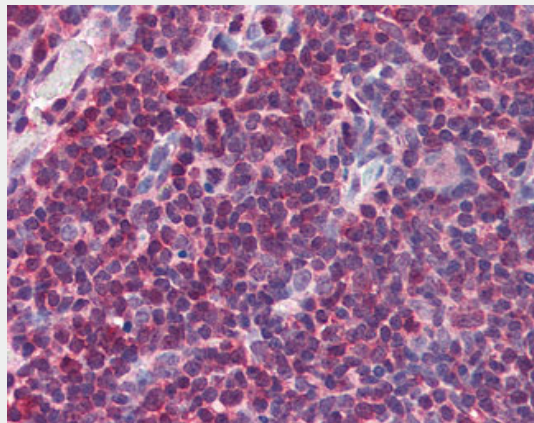
Secreted. Cytoplasm. Note=Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens

MIF Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MIF Antibody (C-Terminus) - Images



Anti-MIF antibody IHC of human thymus.

MIF Antibody (C-Terminus) - Background

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.

MIF Antibody (C-Terminus) - References

- Weiser W.Y., et al. Proc. Natl. Acad. Sci. U.S.A. 86:7522-7526(1989).
Mikayama T., et al. Proc. Natl. Acad. Sci. U.S.A. 90:10056-10060(1993).
Bernhagen J., et al. Biochemistry 33:14144-14155(1994).
Paralkar V., et al. Genomics 19:48-51(1994).
Shan Z.X., et al. Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.