

MIF Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5102b**Specification**

MIF Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P14174](#)**MIF Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 4282**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MIF Antibody (C-term) Blocking Peptide - 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). 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-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MIF Antibody (C-term) Blocking Peptide - Images**MIF Antibody (C-term) Blocking Peptide - Background**

MIF 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.

MIF Antibody (C-term) Blocking Peptide - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)Palomino-Morales, R., et al. Clin. Exp. Rheumatol. 28(1):68-72(2010)Akcali, A., et al. J. Int. Med. Res. 38(1):69-77(2010)