

**RAT MIF Antibody (C-term) Blocking Peptide**

Synthetic peptide

Catalog # BP9249b

**Specification**

---

**RAT MIF Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P30904](#)**RAT MIF Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 81683

**Other Names**

Macrophage migration inhibitory factor, MIF, Glutathione-binding 13 kDa protein, L-dopachrome isomerase, L-dopachrome tautomerase, Phenylpyruvate tautomerase, Mif

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9249b](/products/AP9249b) was selected from the C-term region of human RAT MIF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**RAT MIF Antibody (C-term) Blocking Peptide - Protein Information****Name** Mif**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.

**Cellular Location**

Secreted {ECO:0000250|UniProtKB:P14174}. Cytoplasm {ECO:0000250|UniProtKB:P14174}.

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 {ECO:0000250|UniProtKB:P14174}

**Tissue Location**

Expressed in a wide variety of organs including brain, spleen, liver, muscle and kidney.

**RAT MIF Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

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

RAT MIF inhibits random migration of macrophages and is involved in the pathogenesis of several inflammatory diseases.

**RAT MIF Antibody (C-term) Blocking Peptide - References**

Harrison,R.A. et.al, Biochem. Biophys. Res. Commun. 390 (1), 171-175 (2009)jian,Z., et.al, Clin. Chim. Acta 405 (1-2), 132-138 (2009)