

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****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)

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 (By similarity).

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 (By similarity).
{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](#)