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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 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)