

Product information



MIF , 1-115 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBMIF0501
Cat. No. IBMIF0551

Size : 1 mg
Size : 100 µg

Full name: Macrophage migration inhibitory factor

NCBI Accession No.: NP_002406

Synonyms: Glycosylation inhibiting factor (GIF), GLIF, MMIF

Description: The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration. Recombinant human MIF, fused to His-tag at N-terminus, was cloned into an *E. coli* expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques.

Form: Liquid. In phosphate-buffered saline (PBS), pH 7.4

Molecular Weight: 16.6 kDa (151 aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)

kDa

40

28

18

8.5

15% SDS-PAGE (3ug)

Sequences of amino acids:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMPMF IVNTNVPRAS VPDGFLSELT QQLAQATGKP PQYIAVHVVP
DQLMAFGGSS EPCALCSLHS IGKIGGAQNR SYSKLLCGLL AERLRISPDR VYINYDMNA ANVGWNNSTF A

General references:

Weiser WY., et al (1989) *Proc Natl Acad Sci.* **86:** 7522-7526.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Bernhagen J., et al (1994) *Biochemistry*. **33**: 14144-14155.

Richard B., (1996) *FASEB J.* **10**: 1607-1613

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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