

Mif, 1-115aa , Mouse, His tag, E.coli

Cat.NO.: TP02975

3th Edition

Synonyms:Macrophage migration inhibitory factor, GIF, Glif

Description:Mif also known as 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 mouse Mif, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

Form:Liquid. In Phosphate buffered saline containing 10% glycerol, 1mM DTT

Molecular Weight:14.9kDa (138aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMFIVNTNVPRAVPEGFSELTQQLAQATGKPAQYIAVHVVPDQLMTFS
GTNDPCALCSLHSHGKIGGAQNRNYSKLLCGLLSDRLHISPDRVYINYYDMNAANVGWNGSTFA

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

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

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.