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## 32-12244: Mouse Migration Inhibitory Factor

 Gene :
 Mif

 Gene ID :
 17319

 Uniprot ID :
 P34884

Alternative Name: Macrophage migration inhibitory factor, Delayed early response protein 6, Glycosylation-inhibiting

factor, L-dopachrome isomerase, L-dopachrome tautomerase, Phenylpyruvate tautomerase

## **Description**

Source: Genetically modified E.coli.

Predicted MW:Â Monomer, 12.5 kDa (115 aa)

Macrophage migration inhibitory factor (MIF) is a pro-inflammatory lymphokine that functions during cell-mediated immmunity. Â MIF promotes fibroblast migration by inducing interleukin 1 (IL-1), interleukin 8 (IL-8), and matrix metalloproteinase (MMP) expression. Â In interferon-gamma-activated macrophages, MIF stimulates nitric oxide (NO) production and tumor necrosis factor alpha (TNF-alpha) secretion.Â

## **Product Info**

**Amount :**  $25 \mu g / 100 \mu g$ 

**Purification:** Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium

**Content:** phosphate, pH 7.5

Sterile water at 0.1 mg/mL

**Storage condition :** Store at -20°C

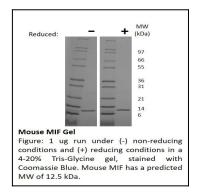
Amino Acid: MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTNDPCALC SLHSIGKIGG

AONRNYSKLL CGLLSDRLHI SPDRVYINYY DMNAANVGWN GSTFA

## **Application Note**

**Endotoxin:** Less than 0.1 ng/ $\tilde{A} \square \hat{A} \mu g$  (1 IEU/ $\tilde{A} \square \hat{A} \mu g$ ) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 $\mbox{\sc A}$  $\mbox{\sc A}$  $\mbox{\sc A}$  $\mbox{\sc A}$  $\mbox{\sc A}$  $\mbox{\sc A}$  $\mbox{\sc A}$ 





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