

## 32-12243: Human Migration Inhibitory Factor

**Gene :** MIF  
**Gene ID :** 4282  
**Uniprot ID :** P14174

**Alternative Name :** Macrophage migration inhibitory factor, Glycosylation-inhibiting factor, L-dopachrome isomerase, L-dopachrome tautomerase

### Description

**Source:** Genetically modified E.coli.

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

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

### Product Info

**Amount :** 25 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5  
**Content :** Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) 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°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



