9853 Pacific Heights Blvd.
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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 tautomeraseÂ Â Â Â Â Â Â Â Â

Description

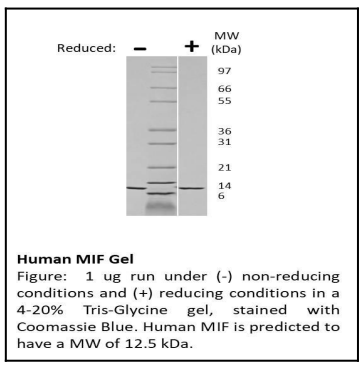
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 12.5 kDa (115 aa)
Macrophage migration inhibitory factor (MIF) is a pro-inflammatory lymphokine that functions during cell-mediated immmunity. MIF promotes fibroblast migration by inducing interleukin 1 (IL-1), interleukin 8 (IL-8), and matrix 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%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 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

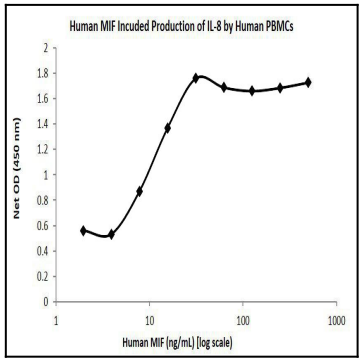
Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°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 vialed to compensate for this loss. ÃÂ ÃÂ



Human MIF Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human MIF is predicted to have a MW of 12.5 kDa.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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