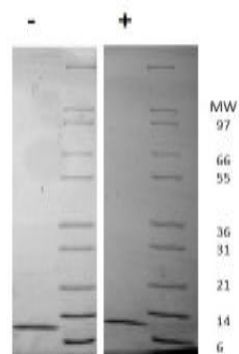
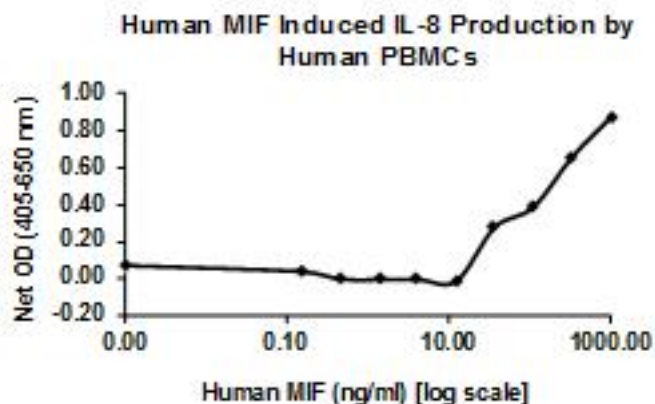


MIF

Recombinant Human MIF

Catalog No.	CRH318A CRH318B CRH318C	Quantity:	2 µg 100 µg 1 mg
Alternate Names:	Macrophage migration inhibitory factor, Glycosylation-inhibiting factor, GIF		
Description:	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-α) secretion.		
Gene ID:	4282		
Protein Accession No:	P14174		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 12.5 kDa (115 aa)		
Formulation:	Lyophilized from a sterile-filtered solution containing 10 mM sodium phosphate, pH 7.5		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis		
Biological Activity:	This product demonstrates dose-dependent induction of IL-8 in human PBMCs. No acceptance criteria established.		
Amino Acid Sequence:	MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		



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

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.