

Recombinant Human MIF

Catalog No : PMK2213

Known As: Macrophage migration inhibitory factor; MIF; MMIF; Glycosylation-inhibiting factor; GLIF; L-dopachrome tautomerase; Phenylpyruvate tautomerase

PROPERTIES

Description	Recombinant Human Macrophage migration inhibitory factor is produced by our E.coli expression system and the target gene encoding Met1-Ala115 is expressed.
Accession	P14174
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,20% Glycerol,pH 7.4.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 1 EU/µg as determined by LAL test.
Predicted Mol Mass	12.5KDa
Apparent Mol Mass	10-14 KDa, reducing conditions
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Background	Human MIF is a 12.5 kDa, 115 amino acid (aa) nonglycosylated polypeptide that is synthesized without a signal sequence. Secretion occurs nonclassically via an ABCA1 transporter. Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity.

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