9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MIF Rat

Macrophage Migration Inhibitory Factor Rat Recombinant
GRF0269

Product Overview

Name	MIF Rat
Description	
Macrophage Migration Inhibitory Factor Rat Recombinant	
Accession (Primary)	P30904
Synonyms	
Macrophage migration inhibitory factor, MIF, Glutathione-binding 13 kDa protein, L-dopachrome isomerase, L-dopachrome tautomerase, Phenylpyruvate tautomerase.	
Introduction	
The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4 and 5% trehalose.	
Stability	
Lyophilized MIF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTSDPCALC SLHSIGKIGG AQNRNYSKLL CGLLSDRLHI SPDRVYINYY DMNAANVGWN GSTFA.	
Solubility	

It is recommended to reconstitute the lyophilized MIF in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

MIF Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P30904)