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MIF Human His C

Macrophage Migration Inhibitory Factor Human Recombinant, His Tag C-Terminus
GRF0263

Product Overview

Name	MIF Human His C
Description	
Macrophage Migration Inhibitory Factor Human Recombinant, His Tag C-Terminus	
Accession (Primary)	P14174
Synonyms	
Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.	
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 lyophilized powder.	
Formulation	
Human MIF was lyophilized from a 1mg/ml solution containing PBS pH-7.4.	
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	
MPMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPC ALCSLHSIGKIGGAQNRSYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTF ALEHHHHHH.	
Biological Activity	
Measured by its ability to bind rhCD74 in a functional ELISA.	

Solubility

It is recommended to reconstitute the lyophilized MIF in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

MIF Human His C is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14174)