
Product Data Sheet

Product Name: MIG Bovine
 Cat. No.: GP26103
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	Small inducible cytokine B9, CXCL9, Gamma INF-induced monokine, MIG, chemokine (C-X-C motif) ligand 9, CMK, Humig, SCYB9, crg-10, monokine induced by gamma-INF.		
Amino Acid Sequence	VPAIRNGRCS CINTSQGMIH PKSLKDLKQF APSPSCEKTE IIATMKNGNE ACLNPDLP EV KELIKEWKQ VNQKKKQRKG KKYKKTKKVP KVKRSQRPSQ KKTT.		
Solubility	It is recommended to reconstitute the lyophilized MIG (CXCL9) in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in 20 mM PB and 500mM NaCl, pH 7.0.		

Introduction

Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belongs to the CXC chemokine family that is also known as Monokine induced by gamma INF (MIG). CXCL9 is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4. CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3.

Biological Activity

The biological activity determined by a chemotaxis bioassay using human lymphocytes is 0.1-1.0 ng/ml.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Lyophilized MIG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution MIG (CXCL9) should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

MIG (CXCL9) Bovine Recombinant produced in E. Coli is a non-glycosylated polypeptide chain containing 104 amino acids and having a molecular mass of approximately 18.0kDa. MIG is purified by proprietary chromatographic techniques.

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