Product Data Sheet

Product Name:	MIG Mouse
Cat. No.:	GP21173
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Small inducible cytokine B9; CXCL9; MIG; chemokine (C-X-C motif) ligand 9; CMK; Humig; SCYB9; crg-10; M119.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be, Thr-Leu-Val-Ile-Arg.		
Solubility	It is recommended to reconstitute the lyophilized MIG in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Filtered (0.2µm) and lyophilized from a concentrated (0.5mg/ml)solution in 20mM PB, pH7.4 and 100mM NaCl.		

Introduction

Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belonging to the CXC chemokine family that is also known as Monokine induced by MIG. CXCL9 is a T-cell chemoattractant. It 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 Activity is calculated by the ability to chemoattractHuman lymphocytes using a concentration of 0.1-1 ng/ml.

Stability

Lyophilized MIG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution CXCL9 should be stored at 4°C between 2-

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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.

Background

MIG (CXCK9) Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 105 amino acids and having a molecular mass of 12208 Dalton. The MIG is purified by proprietary chromatographic techniques.