

CXCL9

Recombinant Mouse CXCL9/MIG

Catalog No.	CRMX01A CRMX01B CRMX01C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Monokine Induced by Interferon-gamma		
Description:	<p>CXCL9 belongs to the CXC chemokine family and also is known as Monokine induced by gamma interferon (MIG). It is a T-cell chemoattractant induced by IFN-γ. CXCL9 is closely related to two other CXC chemokines called CXCL10 and CXCL11. In addition, they all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3. It is a cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response and chemotactic for activated T-cells. Mouse CXCL9 shares 75 % and 88 % a.a. sequence identity with human and rat CXCL9. Recombinant Mouse CXCL9/MIG is a single non-glycosylated polypeptide chain containing 105 amino acids</p>		
Gene ID:	17329		
Source:	<i>E. coli</i>		
Molecular Weight:	12.2 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 2x PBS, pH 7.4.		
Purity:	>95% by SDS-PAGE gel and HPLC analyses.		
Endotoxin Level:	<1 EU/µg of protein as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 0.1-1.0 ng/ml.		
Amino Acid Sequence:	TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE IIATLKNQDQ TCLDPDSANV KKLKKEWEKK INQKKKQKRG KKHQKNMKNR KPKTPQSRRR SRKTT		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	The lyophilized protein is stable at 2-8°C. Upon receipt, store desiccated at -20°C. After reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. For long term storage of reconstituted protein, it is recommended that a carrier protein such as 0.1% BSA or HSA be added. This depends on the particular application. Avoid repeated freeze/thaw cycles.		

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