

MIG/CXCL9, murine recombinant

CATALOG #:	7172-10	10 µg
	7172-50	50 µg
ALTERNATE NAMES:	Monokine Induced by Interferon-γ, CXCL9	
SOURCE:	E. Coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	12.2 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Acetic acid.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION:

MIG, a CXC chemokine, is produced by IFN-γ stimulated monocytes, macrophages and endothelial cells. It signals through the CXCR3 receptor. MIG selectively chemoattracts Th1 lymphocytes, and also exerts other activities including inhibition of tumor growth, angiogenesis, and inhibition of colony formation of hematopoietic progenitors. Human MIG is active on murine cells. Recombinant murine MIG is a 12.2 kDa protein containing 105 amino acid residues, including the four highly conserved cysteine residues present in CXC chemokines.

BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human lymphocytes using a concentration range of 0.1-1.0 ng/ml.

AMINO ACID SEQUENCE:

TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE IATLKNQDQ TCLDPDSANV
KKLMKEWEKK INQKKKQKRG KKHQKNMKNR KPKTPQSRRR SRKTT

RELATED PRODUCTS:

- CXCL16, mouse recombinant (**Cat. No. 4353-25, -1000**)
- CXCL16, human recombinant (**Cat. No. 7130-10, -50**)
- CXCL10/IP-10/CRG-2, human recombinant (**Cat. No. 4277-10, -50, -1000**)
- CXCL14/BRAK, human recombinant (**Cat. No. 4278-10, -50, -1000**)
- CTGF, human recombinant (**Cat. No. 4702-20, -100, -1000**)
- CTGF Antibody (**Cat. No. 5553R-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.