

## Recombinant Mouse CXCL9 (MIG)

**Cat. No.** CXCL9-73M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Mouse CXCL9/MIG was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | <p>Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belonging to the CXC chemokine family. It is also commonly known as Monokine Induced by Gamma interferon (MIG). CXCL9 (MIG) is a T-cell chemoattractant, which is induced by IFN-gamma. It is closely related to two other CXC chemokines -CXCL10 and CXCL11. There have been 17 different C-X-C chemokines described in mammals, that are subdivided into two categories, those with a specific amino acid sequence (or motif) of glutamic acid-leucine-arginine (or ELR for short) immediately before the first cysteine of the C-X-C motif (ELR-positive), and those without an ELR motif (ELR-negative). ELR-positive C-X-C chemokines specifically induce the migration of neutrophils, and interact with chemokine receptors CXCR1 and CXCR2. C-X-C chemokines that lack the ELR motif are chemoattractant for lymphocytes. CXCL9 (MIG) elicits its effects by binding to the cell surface chemokine receptor CXCR3.</p> |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 12.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE IIATLKNGDQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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TCLDPDSANV KKLMKEWEKK INQKKKQKRG KKHQKNMKNR KPKTPQSRRR  
SRKTT (105)

**Applications**

The mouse CXCL9/MIG protein can be used in cell culture, as a CXCL9/MIG ELISA Standard, and as a Western Blot Control.

**Storage**

-20 C

## GENE INFORMATION

**Gene Name**

Cxcl9 chemokine (C-X-C motif) ligand 9 [ *Mus musculus* ]

**Official Symbol**

CXCL9

**Synonyms**

CXCL9; chemokine (C-X-C motif) ligand 9; C-X-C motif chemokine 9; M119; protein m119; small-inducible cytokine B9; gamma interferon-induced monokine; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; small inducible cytokine B subfamily (Cys-X-Cys), member 9; CMK; Mig; MuMIG; Scyb9; crg-10; BB139920;

**Gene ID**

17329

**mRNA Refseq**

NM\_008599

**Protein Refseq**

NP\_032625

**Pathway**

Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling

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events, organism-specific biosystem;

**Function**

cytokine activity;

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