



## Recombinant Mouse MIG

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>M10-034S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

```
TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE  
IIATLKNQDQ TCLDPPDSANV KKLKKEWEKK INQKKKQKRG  
KKHQKMKMNR KPPTPQSRRR SRKTT
```

### Database References

<b>Protein RefSeq:</b>	NP_032625.2
<b>Uniprot ID:</b>	P18340
<b>mRNA RefSeq:</b>	NM_008599.4

## Scientific Background

<b>Gene-ID (NCBI):</b>	17329
<b>Synonyms:</b>	Cxcl9; CMK; Mig; MuMIG; Scyb9; crg-10; BB139920

MIG, a CXC chemokine, is produced by IFN 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

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	105
<b>MW:</b>	12.2 kDa

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



**AVOID REPEATED FREEZE AND THAW CYCLES!**