

## GFM51 Recombinant Mouse MIP-3 $\alpha$ / CCL20

### Description

Macrophage Inflammatory Protein 3  $\alpha$  (MIP-3  $\alpha$ ), also known as CCL20, is expressed in the liver, lungs, lymph nodes, and peripheral blood lymphocytes. MIP-3  $\alpha$  expression is strongly induced by inflammatory signals, and downregulated by the anti-inflammatory cytokine interleukin-10 (IL-10). MIP-3  $\alpha$  signals through the G protein-coupled receptor CCR6 to function as a chemoattractant to lymphocytes and dendritic cells.

<b>Length</b>	70 aa
<b>Molecular Weight</b>	8.0 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	P78556
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

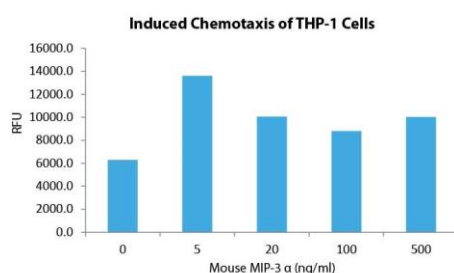
### Specifications

<b>Alternative Names</b>	Monocyte Chemotactic Protein 3, MIP-3 alpha, CCL20
<b>Biological Activity</b>	Mouse MIP-3 $\alpha$ is fully biologically active when compared to standard. The activity is determined by the ability to induce chemotaxis of THP-1 cells.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>AA Sequence</b>	ASNFDCCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

### Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

### Data



Induced chemotaxis of THP-1 cells assay for Mouse MIP-3  $\alpha$ . Cells that migrated were counted using a luminescent substrate. Migration over basal levels was reported in response to Mouse MIP-3  $\alpha$  starting at 5 ng/ml.