

## MIP-2/CXCL2

Catalog # PVGS1093

## **Product Information**

Primary Accession P10889
Species Mouse

Sequence Ala28-Asn100

**Purity** > 97% as analyzed by SDS-PAGE

> 97% as analyzed by HPLC

**Endotoxin Level** 

**Biological Activity** Fully biologically active when compared to standard. The biological activity

determined by a chemotaxis bioassay using human neutrophils is in a

concentration range of 1.0-10.0 ng/ml.

**Expression System** E. coli

Theoretical Molecular Weight 7.8 kDa

**Formulation** Lyophilized from a 0.2 Im filtered solution in 20 mM PB, pH 7.4, 150 mM

NaCl.

**Reconstitution** It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a

concentration of 0.1-1.0 mg/ml.

Storage & Stability Upon receiving, this product remains stable for up to 6 months at -70°C or

-20°C. Upon reconstitution, the product should be stable for up to 1 week at

4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

## **Additional Information**

**Gene ID** 20310

Other Names C-X-C motif chemokine 2, Macrophage inflammatory protein 2, MIP2, Cxcl2,

Mip-2, Mip2, Scyb2

Target Background Macrophage Inflammatory Protein 2 (MIP-2) was originally identified as a

heparin binding protein secreted from a mouse macrophage cell line in response to endotoxin stimulation. Based on its protein and DNA sequences, MIP-2 is a member of the alpha (CXC) subfamily of chemokines. Similarly to other alpha chemokines, mouse MIP-2 is a potent neutrophil attractant and activator. MIP-2 and KC can bind the mouse interleukin 8 type B receptor homologue with high affinity. The expression of MIP-2 was found to be associated with neutrophil influx in pulmonary inflammation and

glomerulonephritis, suggesting that MIP-2 may contribute to the pathogenesis

## **Protein Information**

Name Cxcl2

**Synonyms** Mip-2, Mip2, Scyb2

Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst. **Function** 

Secreted. **Cellular Location** 

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.