

MIP-2/CXCL2

Catalog # PVGS1401

Specification

MIP-2/CXCL2 - Product Information

Primary Accession
Species
Mouse

P10889

Sequence

Gly27-Asn100

Purity

> 95% as analyzed by SDS-PAGE

Endotoxin Level

< 0.2 EU/ μg of protein by gel clotting method

Biological Activity

The EC₅₀ value of mouse MIP-2/CXCL2 on Ca²⁺ mobilization assay in CHO-K1/G α 15/mCXCR2 cells (human G α 15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 1.0 ng/ml.

Expression System

E. coli

Formulation

Lyophilized after extensive dialysis against PBS.

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 ddH_2O or PBS up to 100 $\mu g/ml$.

Storage & Stability

Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

MIP-2/CXCL2 - Additional Information

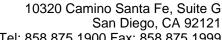
Gene ID 20310

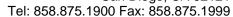
Other Names

C-X-C motif chemokine 2, Macrophage inflammatory protein 2, MIP2, Cxcl2, Mip-2, Mip2, Scyb2

Target Background

Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also referred to as macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is secreted by







monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. CXCL2's amino acid sequence is 90% identical to the amino acid sequence of related chemokine, CXCL1. CXCL2 signals through the CXCR2 receptor.

MIP-2/CXCL2 - Protein Information

Name Cxcl2

Synonyms Mip-2, Mip2, Scyb2

Function

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

Cellular Location

Secreted.

MIP-2/CXCL2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MIP-2/CXCL2 - Images