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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 μm 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

of inflammatory diseases.

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.