

Cxcl2

Recombinant Mouse MIP-2 / CXCL2

Catalog No.	CRC191A	Quantity:	5 µg
	CRC191B		20 µg
	CRC191C		1.0 mg

Alternate Names: C-X-C motif chemokine 2, Macrophage inflammatory protein 2, MIP2

Description: 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 chemotactic agent for leukocytes and hematopoietic cells. 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.

UniProt ID: P10889

Gene ID: 20310

Source: *E. coli*

Molecular Weight: 7.9 kDa (73 aa) monomer

Formulation: Lyophilized from sterile filtered 10 mM sodium phosphate, pH 7.5

Purity: ≥ 95% by reducing and non-reducing SDS-PAGE analysis.

Endotoxin Level: ≤ 1 EU/µg as determined by kinetic LAL analysis

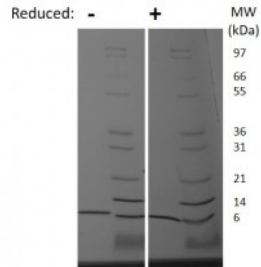
Biological Activity: No data available at this time.

Amino Acid Sequence: AVVASELRCQ CLKTLPRVDF KNIQSLSVTP PGPHCAQTEV IATLKGGQKV
CLDPEAPLVQ KIIQKILNKG KAN

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for complete reconstitution.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.





Mouse MIP-2 / CXCL2 Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse MIP-2 is predicted to have a MW of 7.9 kDa.

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