



C-X-C Motif Chemokine 2/CXCL2/MIP-2

E21-F10

Catalog Number:E21-F10

Amount:10ug

Altername:MIP-2; chemokine ligand 2; C-X-C motif chemokine 2; GRO beta; GRO2; GROB; Gro-beta; Growth-regulated protein beta; Macrophage Inflammatory Protein-2-alpha; melanoma growth stimulatory activity beta; cxcl2; MGSA-b; MGSA-beta; MIP2A; MIP2-alpha; SCYB2.

Storage/Stability:Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Background:C-X-C motif chemokine 2 (CXCL2,MIP-2) belongs to the intercrine alpha (chemokine Cx-C) family. It was originally identified as a heparin-binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. The expression of mouse MIP-2 is stimulated by endotoxin. The mouse MIP-2 shares approximately 63% aa sequence identity with murine KC, another mouse alpha chemokine, which is induced by PDGF. It has been suggested that mouse KC and MIP-2 are the homologs of the human GROs and rat CINC. Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst. 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.

Species:Mouse

Reconstitution:Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in ddH₂O.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin:Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Purity:Greater than 95% as determined by reducing SDS-PAGE.

Description:Recombinant Mouse C-X-C motif chemokine 2 is produced by our E.coli expression system and the target gene encoding Ala28-Asn100 is expressed.

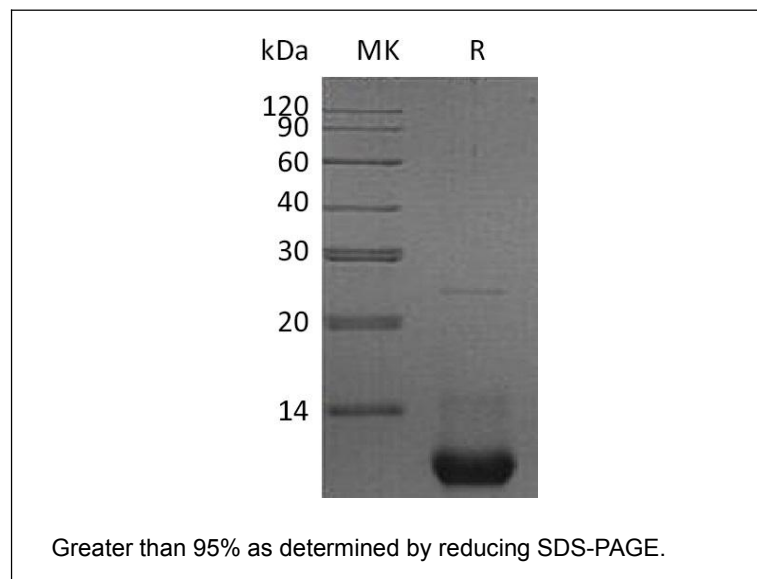
Product State:Lyophilized

Ship Description:The product is shipped at ambient temperature.

Formulation:Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.

Expression system:E.coli

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