Ccl20

Recombinant Mouse CCL20 / MIP-3 alpha (His Tag)

Catalog No.	CRM521A-His CRM521B-His	**Quantity:**	20 µg 50 µg

Alternate Names: C-C motif chemokine 20, Beta-chemokine exodus-1, CC chemokine LARC, CC chemokine ST38, Liver and activation-regulated chemokine, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, Small-inducible cytokine A20

Description: C-C motif chemokine 2 (CCL2) is a small cytokine belonging to the CC chemokine family that attracts immature dendritic cells and memory T lymphocytes, both expressing CCR6. Depending on the cell type, this chemokine was found to be inducible by cytokines (IL -1beta) and by bacterial, viral, or plant products (including LPS, dsRNA, and PMA). CCL2 is expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of CCL2 has been seen in thymus, prostate, testis, small intestine and colon. As a chemotactic factor, CCL2 attracts lymphocytes and, slightly, neutrophils, but not monocytes. This chemokine may Inhibit proliferation of myeloid progenitors in colony formation assays and it may be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. Its C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. CCL2 plays a role in colorectal cancer pathogenesis.

UniProt ID: O89093-1

Accession Number: NP_058656.1

Protein Construction: A DNA sequence encoding the mouse CCL20 (Met 1-Met 97) was expressed with a C-terminal polyhistidine tag.

Source: Baculovirus-Insect Cells

Formulation: Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The secreted rmCCL20 consists of 80 aa with a predicted MW of 9.3 kDa and migrates at ~14 KDa in SDS-PAGE under reducing conditions.

Purity: > 90 % as determined by SDS-PAGE.

Endotoxin Level: < 1.0 EU per µg of the protein as determined by the LAL method

Biological Activity: Testing in progress

Predicted N-terminal: Ala 28

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: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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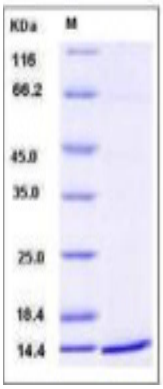
SDS-PAGE



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