

Recombinant Mouse CCL20/MIP-3-alpha Protein

Catalog No.: RP03272

Sequence Information

Species **Gene ID**
Mouse 20297

Swiss Prot **Tags**
O89093 No tag

Synonyms

C-C motif chemokine 20; CCL20;
MIP-3-alpha; MIP-3A; Larc;
Scya20; ST38; CKb4

Product Information

Source **Purification**
E.coli ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
8.1 kDa 8-14 kDa

Endotoxin

Please contact us for more
information.

Formulation

Lyophilized from a 0.22 µm filtered
solution of PBS, pH 7.4. Contact us
for customized product form or
formulation.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Chemokine (C-C motif) ligand 2 (CCL2) or liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3A) 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). MIP3A / CCL2 is Expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of MIP3A / CCL2 has been seen in thymus, prostate, testis, small intestine and colon. As a chemotactic factor, MIP3A / 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. Chemokine CCL2 was shown to play a role in colorectal cancer (CRC) pathogenesis.

Basic Information

Description

Recombinant Mouse CCL20/MIP-3-alpha Protein is produced by *E. coli* expression system. The target protein is expressed with sequence(Ala28-Met97) of Mouse CCL20/MIP-3-alpha (Accession #NP_058656.1) fused with No tag.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

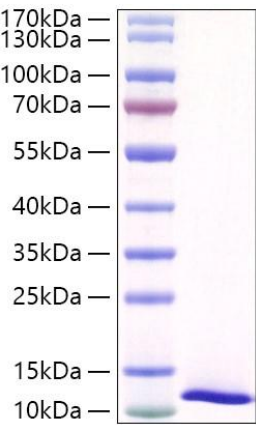
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Mouse CCL20/MIP-3-alpha Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.