

MIP-3 α /CCL20, Mouse

Cat. No.: Z02955-1

Size: 1.0 mg

Synonyms: Macrophage Inflammatory Protein-3 α , CCL20, LARC, Exodus-1

Description:

MIP-3 α /CCL20, also known as LARC (Liver and Activation-regulated Chemokine) and as Exodus, is a CC chemokine that is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. MIP-3 alpha is chemotactic towards lymphocytes and dendritic cells. Additionally, it promotes the adhesion of memory CD4+ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

Amino Acid Sequence:

00001 ASNYDCCLSY IQTPLPSRAI VGFTRQMADE ACDINAIIFH
00041 TKKRKSVCAD PKQNWVKRAV NLLSLRVKKM

Source: *E. coli*

Species: Mouse

Biological Activity: Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR6 transfected murine BaF3 cells is in a concentration range of 0.1-10 ng/ml.

Molecular Weight: Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.

Formulation: Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.

Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Purity: > 96 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/ μ g of rMuMIP-3 α /CCL20 as determined by LAL method.

Storage: This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.