# Ccl19
# Recombinant Mouse MIP3-beta/CCL19

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| **Catalog No.** | CRM415A | **Quantity:** | 5 µg |
| | CRM415B | | 20 µg |
| | CRM415C | | 1.0 mg |

**Alternate Names:** Macrophage Inflammatory Protein 3-beta, AMAC-1, Ckb7, Ck-beta 7, DC-CK1, MIP4, PARC, SCYA18

**Description:** Macrophage Inflammatory Protein-3 beta also called CCL19, ELC (EBI1 Ligand Chemokine), Exodus-3 is a reported β chemokine that binds specifically to the chemokine receptor CCR7 / EBI1 / BLR2. It is expressed in the thymus, lymph nodes and in activated bone marrow stromal cells. MIP-3 beta is a chemoattractant for T and B lymphocytes and myeloid progenitor cells.

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

**GeneID:** 24047

**Source:** *E. coli*

**Molecular Weight:** Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.

**Formulation:** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:** >95% by SDS-PAGE and HPLC analyses.

**Endotoxin Level:** Less than 1EU/µg of rMuMIP-3b/CCL19 as determined by LAL method.

**Biological Activity:** Fully biologically active when compared to standard. The $ED_{50}$ determined by a chemotaxis bioassay using human peripheral blood lymphocytes is less than 100 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^4$ IU/mg.

**Amino Acid Sequence:** GANDAEDCCL SVTQRPIPGN IVKAFRYLLN EDGCRVPAVV FTTLRGYQLC APPDQPWVDR IIRRLKKSSA KNKGNSTRRS PVS

**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.

**Storage & Stability:** This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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