

DATASHEET

Version 20181206

C10/CCL6, Mouse**Cat. No.:** Z02952-1**Size:** 1.0 mg**Synonyms:** CCL6, MRP-1**Description:**

Chemokine (C-C motif) ligand 6 (CCL6) is a small cytokine belonging to the CC chemokine family that has only been identified in rodents. Murine C10 is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4. It signals primarily through the CCR1 receptor. C10 is chemotactic for B cells, CD4+ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. The C10 contains the four highly conserved cysteine residues present in CC chemokines.

Amino Acid Sequence:

00001 GLIQEIEKED RRYNPPIIHQ GFQDTSSDCC FSYATQIPCK
00041 RFIYYFPTSG GCIKPGIIFI SRRGTQVCAD PSDRRVQRCL
00081 STLKQGPRSG NKVIA

Source: *E. coli***Species:** Mouse

Biological Activity: Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR1 transfected murine BaF3 cells is in a concentration range of 10-100 ng/ml.

Molecular Weight: Approximately 10.7 kDa, a single non-glycosylated polypeptide chain containing 95 amino acids.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, pH 8.0, 500 mM NaCl.

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: > 97 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/µg of rMuC10/CCL6 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.