

DATASHEET
Version 20181206**MEC/CCL28, Rat****Cat. No.:** Z02961-1**Size:** 1.0 mg

Synonyms: MEC, CCK1, SCYA28, MGC71902, CCL28, C-C motif chemokine 28, Small-inducible cytokine A28, Mucosae-associated epithelial chemokine, Protein CCK1.

Description:

Mucosae-associated Epithelial Chemokine (MEC)/CCL28 (CC chemokine ligand 28) is a secreted CC chemokine expressed primarily by epithelial cells of the bronchioles, salivary gland, mammary gland and colon. MEC signals through the CCR10 receptor and chemoattracts resting CD4, CD8 T-cells and eosinophils. MEC contains six cysteines including the four highly conserved cysteine residues present in CC chemokines.

Amino Acid Sequence:

00001 SEAILPIASS CTEVSHHIP RLLERVNSC SIQRADGDCD
00041 LAAVILHVKR RRICVSPHP TLKRWSASE MKNGKENLCP
00081 RKKQDSGKDR KGHTPRKHGK HGTRRIHGTH DHEAPR

Source: *E. coli***Species:** Rat

Biological Activity: Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 5.0-50 ng/ml.

Molecular Weight: Approximately 13.1 kDa, a single non-glycosylated polypeptide chain containing 116 amino acids.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 200 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: > 96 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/µg of rRt-MEC/CCL28 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.