

DATASHEET
Version 20181206**MDC/CCL22 (69aa), Human****Cat. No.:** Z02844-1**Size:** 1.0 mg**Synonyms:** Macrophage-Derived Chemokine/CCL22 (69a.a.), Human;**Description:**

MDC is a CC chemokine that is produced in B cells, macrophages, monocyte-derived dendritic cells, activated NK cells and CD4 T cells. It signals through the CCR4 receptor. MDC chemoattracts monocytes, dendritic cells and NK cells and exerts HIV suppressive activity.

Amino Acid Sequence:

00001 GPYGANMEDS VCCRDYVRYR LPLRVVKHFY WTSDSCPRPG
00041 VVLLTFRDKE ICADPRVPWV KMILNKLSQ

Source: *E. coli***Species:** Human**Biological Activity:** Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-100 ng/ml.**Molecular Weight:** Approximately 8.1 kDa, a single, non-glycosylated polypeptide chain containing 69 amino acids.**Formulation:** Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH7.4, 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 rHuMDC/CCL22 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.