DATASHEET
Version 20181206

MDC/CCL22 (69aa), Human

Cat. No.: Z02844-20

Size: 20.0 ug

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.

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