

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Mouse MDC/CCL22 (rMuMDC/CCL22)

Catalog Number: PR2006

Source: Escherichia coli.

Quantity: 5µg/20µg/0.5mg

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.

Molecular Weight:

7.8 kDa, a single, non-glycosylated polypeptide chain containing 68 amino acids.

Purity:

>97% by SDS-PAGE and HPLC analyses.

Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to chemoattract human activated lymphocytes using a concentration range of 10.0-100.0 ng/ml, corresponding to a Specific Activity of 1×10^4 IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

AA Sequence:

G P Y G A N V E D S I C C Q D Y I R H P L P S R L V K
E F F W T S K S C R K P G V V L I T V K N R D I C A D

P R Q V W V K K L L H K L S

Endotoxin:

Less than 1EU/µg of rMuMDC/CCL22 as determined by LAL method.

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 $<-20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable for several weeks at $2-8^{\circ}\text{C}$, 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 $2-8^{\circ}\text{C}$. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C . Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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