

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Recombinant Human Macrophage-Derived Chemokine/CCL22 (rHuMDC/CCL22)

Catalog Number: PR1085

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

#### 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:

8.1 kDa, a single, non-glycosylated polypeptide chain containing 69 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 T cells using a concentration range of 10.0-100.0 ng/ml, corresponding to a Specific Activity of  $\square 1 \times 10^4$  IU/mg.

#### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

#### Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH7.4, 500mM NaCl.

#### AA Sequence:

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

D P R V P W V K M I L N K L S Q

#### Endotoxin:

Less than 1EU/mg of rHuMDC/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°C, but should be kept at  $-20^{\circ}\text{C}$  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  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . 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

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