



## Technical Data Sheet

### Recombinant Mouse MDC/CCL22(rMuMDC/CCL22)

#### *Mouse MDC/CCL22*

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.

<b>Catalog Number:</b>	RC335-33
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	7.8 kDa, a single, non-glycosylated polypeptide chain containing 68 amino acids.
<b>Quantity:</b>	5ug/20ug/1mg
<b>AA Sequence:</b>	GPYGANVEDS    ICCQDYIRHP    LPSRLVKEFF    WTSKSCRKPG VVLITVKNRD ICADPRQVWV KLLHKLKLS
<b>Purity:</b>	>97% by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	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.
<b>Formulation:</b>	Lyophilized from a 0.2µm filtered concentrated (0.5mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl.
<b>Endotoxin:</b>	Less than 1EU/µg of rMuMDC/CCL22 as determined by LAL method.
<b>Reconstitution:</b>	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.
<b>Storage:</b>	This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon



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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.**

**Usage:**

This material is offered by Bio Basic Inc. for research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE.**