Technical Data Sheet

Recombinant Human Macrophage-Derived Chemokine/CCL22 (rHu MDC/CCL22)

Human Macrophage-Derived Chemokine/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.

Catalog Number:	204-22A
Source:	*Escherichia coli.*
Molecular Weight:	8.1 kDa, a single, non-glycosylated polypeptide chain containing 69 amino acids.
Quantity:	5ug/20ug/1.0 mg
AA Sequence:	GPYGANMEDS VCCRDYVRYR LPLRVVKHFY WTSDSCPRPG VVLLTFRDKE ICADPRVPWV KMILNKLSQ
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.
Formulation:	Lyophilized from a 0.2μm filtered concentrated solution in 20mM PB, pH7.4, 500mM NaCl.
Endotoxin:	Less than 1EU/μg 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°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°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.

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

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