

Version :03  
Update : 05/15/2022

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name:	MDC/CCL22 (69aa), Human
Cat. No.:	Z02844
Lot No.:	M2212007
Size:	Specified on product label
Formulation:	Lyophilized from a 0.2 $\mu$ m filtered solution in 20 mM PB, pH 7.4, 500 mM NaCl.
Reconstitution:	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Stability & Storage:	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

### Quality Control

Test Items	Specifications	Results
Appearance	White Freeze-dried Powder	Pass
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC	Pass
Endotoxin Level	< 1 EU/ $\mu$ g of protein by LAL method	Pass
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 10.0-100.0 ng/ml.	Pass

Date: 12/27/2022

Approved by: *Xiangbin Yang (M)*

Quality Department

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