

Version 1.1

Update: 12/27/2019

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	MCP-4/CCL13, Human
Cat. No.:	Z02836
Lot No.:	M2104012
Storage Condition:	This lyophilized preparation is stable 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.

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### Quality Results

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 96%	Conformed
HPLC Purity	> 96%	Conformed
Biological Activity	10-100 ng/ml.	Conformed
Molecular Weight	8.6±0.9 KDa	Conformed
Bacterial Endotoxin	< 1.0 EU/μg	Conformed

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### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188

**Certified by:** Dandan Yao **Date:** 05/13/2021

### Quality Department

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*