

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: MPIF/CCL23(aa46-120), Human

Cat. No.: Z03295-5; Z03295-25; Z03295-1

Lot No.: B60141404

Size: 5 µg/vial; 25 µg/vial; 1mg/vial

Storage Condition: Lyophilized recombinant Human MPIF/CCL23 (aa46-120) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human MPIF/CCL23 (aa46-120) should be stable up to 1 week at 4°C or up to 3 months at -20°C.

### Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Biological Activity (ED <sub>50</sub> )	< 1 µg/mL	< 0.21 µg/mL
Molecular Weight	11.3 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	Conformed

### 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: Joe Wang Date: 06/20/2014  
QA Manager