

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-06-25 11:35:23
Date of Next Testing:	2024-06-24 11:35:23
Product Name:	Recombinant Human CCL4/MIP-1 beta Protein
Lot #:	ZJ23F0600410
SKU #:	rp143746
Version:	2
Analysis #:	000425
Source:	Recombinant
Specifications & Purity:	Animal Free, >96%(SDS-PAGE, HPLC), Active, E.coli, No tag, 24-92 aa
Concentration:	
Formulation:	Lyophilized
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 Conditions:	Store at -20°C, Avoid repeated freezing and thawing
Analysis:	000425

Parameter	Limit Value	Result
Molecular Weight	6.2-9.4(kD)	7.80000 kD
Purity(SDS-PAGE)	96-100(%)	96.71000 %
Appearance(rp143746)	White lyophilized powder	White lyophilized powder
Endotoxin Level <1 EU/μg	Conform	Conform
Activity (ED50: 5.0-20ng/mL)	Conform	Conform



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 Sophia Cheng  
 Quality Assurance