

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-03-25 11:07:54
Date of Next Testing:	2024-03-24 11:07:54
Product Name:	Recombinant Human TNF-alpha Protein
SKU #:	rp152506
Lot #:	ZJ23F0300078
Source:	Recombinant
Specifications & Purity:	GMP, ≥95% (SDS-PAGE), Active, E.coli, No tag, 77-233 aa
Concentration:	1.0 mg/mL
Formulation:	Liquid
Reconstitution:	
Storage Conditions:	Store at -20°C, Avoid repeated freezing and thawing
Analysis:	000189

Parameter	Limit Value	Result
Molecular Weight	15.66-19.14(kD)	16.00000 kD
Purity(SDS-PAGE)	95-100(%)	100.00000 %
Activity(ED50)	0-0.05(ng/ml)	0.00934 ng/ml
Appearance(rp152506)	Colorless clear liquid	Colorless clear liquid
Endotoxin Level <0.1 EU/μg	Conform	Conform



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 Sophia Cheng  
 Quality Assurance