

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-11-20 13:39:38
Date of Next Testing:	2025-11-19 13:39:38
Product Name:	Recombinant Mouse TNF-alpha Protein
SKU #:	rp154759
Lot #:	ZJ23F1101717
Source:	Recombinant
Specifications & Purity:	Animal Free, >97% (SDS-PAGE; HPLC ), Active, E.coli, No tag, 80-235aa
Concentration:	
Formulation:	Lyophilized
Reconstitution:	1.This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. 2. Reconstitute in a sterile aqueous buffer to an appropriate concentration. 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:	001772

Parameter	Limit Value	Result
Purity(SDS-PAGE and HPLC)	97-100(%)	100.00000 %
Activity(ED50)	0-0.1(ng/ml)	0.05000 ng/ml
Molecular Weight	15.66-19.14(kD)	16.70000 kD
Appearance(rp154759)	White lyophilized powder	White lyophilized powder
Endotoxin Level <0.01 EU/μg	Conform	Conform



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 Sophia Cheng  
 Quality Assurance