



CERTIFICATE OF ANALYSIS

Tumor Necrosis Factor alpha

Human Recombinant Powder

(Catalog Number 300-193P)

Lot Number: G425099

Date Received: _____

Storage Temperature: $\leq -10^{\circ}\text{C}$

Product Expiry*: _____

For cell culture, further manufacturing or research use only. Not for direct therapeutic use.

*Expiration Date is one year from the date of receipt when stored at -20 to -80°C .

Test	Methodology	Analysis
Biological Testing		
Endotoxin	USP <85>/ EP 2.6.14	$<0.050 \text{ EU}/\mu\text{g}$
Purity	Coomassie Staining	$>95\%$
Biological Activity ED_{50}	Cytolysis of mouse L929 cells in the presence of Actinomycin D assay	0.0088 ng/mL

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and it has been confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Levi Immoos
Name

30SEP2025
Date

QC Associate I
Title