



CERTIFICATE OF ANALYSIS
Human Tumor Necrosis Factor
TNF- α
Human Recombinant Powder
(Catalog Number 300-193P)

Lot Number: G423086

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 EU/ μg |
| Biological Testing | | |
| Purity | Coomassie Staining | >95% |
| Biological Activity ED ₅₀ | Cytolysis of mouse L929 cells in the presence of Actinomycin D assay | 0.009 ng/mL |

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

Berkeley Leachman
Name

QC Associate I
Title

01 AUG 2023
Date