

## Certificate of Analysis

This document certifies that this product has met all of the quality control standards defined by Cell Signaling Technology, Inc.

**Research Use Only Reagent (RUO): For research use only. Not for use in diagnostic procedures.**

Product Number: **16769**

Product Name: **Human TNF- $\alpha$  Recombinant Protein**

Product Type: Growth Factors and Cytokines

Species of Origin: E. coli

Lot Number: 4

Concentration: 10  $\mu$ g

Approved Applications:

- Other: Bioactivity: ED50 = 0.0088 ng/mL

Approval:

Production: Amanda Levie

Date: 07-June-2023