

## **Certificate of Analysis**

Recombinant Human Tumor Necrosis Factor– $\alpha$  (TNF– $\alpha$ )

Product No. PHC3015 Lot No. 1660663B

**Expiration Date:** Expires one year from date of receipt when stored as instructed.

**Quantity:** 10 μg

Format: Lyophilized, carrier free

Release Test Method: Dose dependent cytotoxic effect on L929 cells in the presence of actinomycin D.

Filtration: Filtered prior to lyophilization through a 0.22 micron sterile filter.

Storage: 2-8°C

**Activity:** ED 50 range = 0.020.05 ng/mL (Specific Activity:  $5 \times 1072 \times 107$  units/mg)

Endotoxin: <0.1 ng/µg

Purity by SDS Page: > 95%

For Research Use Only. Not for use in diagnostic procedures. If you have any further questions about this Certificate of Analysis, please contact Technical Services at 1–800–955–6288 (US and Canada) or 1–760–603–7200, x2 (all other countries).

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For inquiries, contact us at cofarequests@thermofisher.com

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