

PRODUCT DATA SHEET

Recombinant Human TNF alpha (Tumor necrosis factor alpha)

Product Description

- Endotoxin-free
- Animal-derived product free
- Available in Bulk
- Expressed as Native Trimer Form
- Lyophilized and Carrier Free (CF)

Xeno-free TNF alpha is expressed in human 293 cells and has been shown by gel filtration to be predominantly a non-covalently linked homotrimer, with a molecular mass of 51 kDa. The E. coli form is not a trimer. The cytokine is produced in a human cell expression system with serum free, chemically defined media.

Typical Specifications

Species Human

Expression HEK293 Cell Expressed Typically ≤1 ng/ml EC₅₀ **Activity**

>95% **Purity**

Endotoxin < I EU/µg

17 kDa, non-disulfide bonded Molecular Mass homotrimer, glycosylated

Formulation 1x PBS

Purity Confirmation

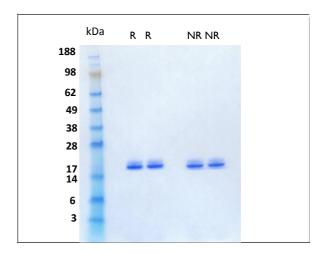
SDSprotein was resolved polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

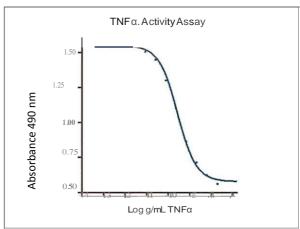
Activity Assay

The activity was determined by the dosedependent cytotoxity of the TNF alpha sensitive cell line L-929 in the presence of Actinomycin D.



™ All HumaXpress® HumanKine™ No cytokines are animal-componentree and Xeno-free™





Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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