

ANTIGENIX AMERICA Inc.
1-800-558-1008
PRODUCT INFORMATION SUMMARY

Human TNF Alpha

Purified Factor	Product Number	HC444020B	50.0 ug
		HC444020A	10.0 ug

DESCRIPTION:

Human Tumor Necrosis Factor alpha (TNF Alpha), a potent factor that exerts cytotoxic effects on tumor and other target cells. Human TNF Alpha has molecular weight of 17.4 kDa, with 157 aa. residues.

SOURCE: E. Coli

Purity > 97% by HPLC analysis

Endotoxin < 0.1 ng per ug TNF Alpha

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards.

ED₅₀ of 0.05 ng/mL, as determined by cytolysis of murine L929 cells in presence of Actinomycin D. This corresponds to a specific activity of 2×10^7 units/mg.

Range of biologic activity: 0.05 - 20 ng/mL

HANDLING AND STORAGE:

Purified Human TNF Alpha factor is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **sterile water** to a concentration of 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE