BioVision rev. 03/17 For research use only

TNF-α, Human Recombinant

CATALOG NO: 1050-10 10 μg

1050-50 50 μg 1050-1000 1mg

SOURCE: E.coli

PURITY: >98% by SDS-PAGE and HPLC

MOL. WEIGHT: 17.4 kDa

FORM: Lyophilized

FORMULATION: Sterile filtered and lyophilized in 50 mM Tris, 150 mM NaCl pH 8.5

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in water to a

concentration of 1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for

future use.

STORAGE CONDITIONS: The lyophilized TNF-α should be stored desiccated below 0°C.

Reconstituted TNF-α should be stored in working aliquots at -20°C.

DESCRIPTION: Tumor Necrosis Factor-α (TNF-α) is a potent lymphoid factor that

exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. Human TNF- α is a 17.4 kDa protein containing

157 amino acid residues.

BIOLOGICAL ACTIVITY: ED₅₀ < 0.05 ng/ml as determined by the cytolysis of murine L929

cells in the presence of actinomycin D.

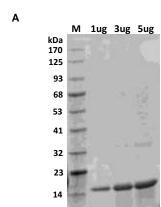


Fig A. SDS-PAGE (4-20%) of Recombinant TNF- α : Recombinant Protein loaded under reducing conditions and stained with Coomassie Blue. Lanes are as follows: M - MW markers, 1, 3 and 5 μg purified TNF- α . The protein shows a predicted MW of ~ 17.4 kDa

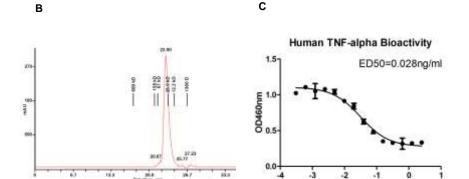


Fig. B. Gel filtration analysis of human TNF- α : SEC analysis of Biovision's TNF- α on a Superose 6 Increase 5/150 column at 0.1mL/min in in 50 mM Na-phosphate, 300mM NaCl pH 7.2

Human TNF-alpha (ng/ml)

Fig. C. ED_{50} of human TNF- α : $ED_{50} < 0.05$ ng/ml as determined by the cytolysis of murine L929 cells treated with actinomycin using Biovision's Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302).

RELATED PRODUCTS:

- Human CellExp™ TNF-alpha, Human Recombinant (Cat. No.6482)
- TNF-alpha, murine recombinant (Cat. No. 1051)
- TNF-alpha, rat recombinant (Cat. No. 1052)
- TNF-alpha (human) ELISA Kit (Cat. No. K4779)
- Anti-TNF-α (Adalimumab) humanized Antibody (Cat. No. A1048)
- Anti-TNF alpha (Infliximab), Human IgG1 Antibody (Cat. No. A1097)
- TNF-alpha Antibody (Cat. No. 3054)
- TNF-alpha Antibody (Cat. No. 3052R)

FOR RESEARCH USE ONLY! Not to be used on humans.

