

TNF- α , Human Recombinant

CATALOG NO:	1050-10	10 μ g
	1050-50	50 μ g
	1050-1000	1mg
SOURCE:	<i>E.coli</i>	
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:	ED ₅₀ < 0.05 ng/ml as determined by the cytolysis of murine L929 cells in the presence of actinomycin D.	

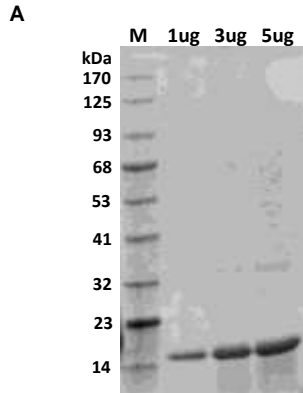


Fig A. SDS-PAGE (4-20%) of Recombinant TNF- α : Recombinant Protein loaded under reducing conditions and stained with Coomassie Blue. Lanes are as follows: M - MW markers, 1, 3 and 5 μ g purified TNF- α . The protein shows a predicted MW of ~ 17.4 kDa

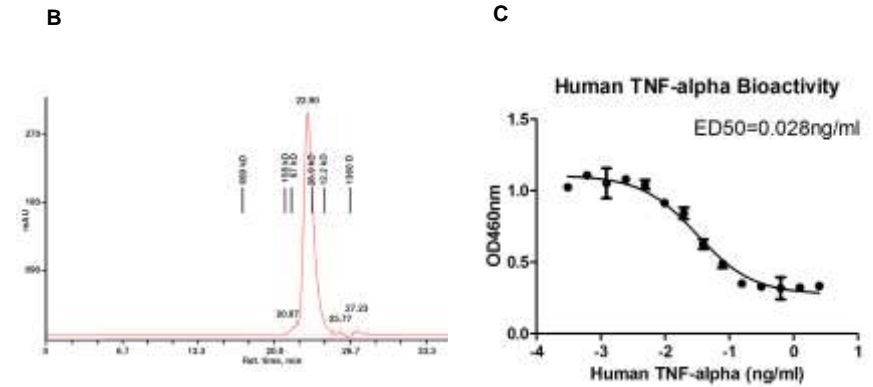


Fig. B. Gel filtration analysis of human TNF- α : SEC analysis of Biovision's TNF- α on a Superose 6 Increase 5/150 column at 0.1mL/min in 50 mM Na-phosphate, 300mM NaCl pH 7.2

Fig. C. ED₅₀ of human TNF- α : ED₅₀ < 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.