

Rabbit TNF α Recombinant Protein



RPPB0997

Product Information Protein Information

Product SKU:

RPPB0997

Accession:

P04924

Host:

Escherichia Coli.

Protein description:

Tumor Necrosis Factor- α Rabbit Recombinant consists of three identical polypeptide chains of 158 amino acids combined to form a compact, bell-shaped homotrimer. TNF- α was produced in E.Coli is a non-glycosylated, polypeptide chain having a molecular mass of 17.4 kDa for the individual subunit. The TNF- α is purified by standard chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Tumor necrosis factor, Cachectin, TNF- α , Tumor necrosis factor ligand superfamily member 2, TNF- α , TNF, TNFA, TNFSF2.

Formulation:

TNF- α Rabbit was lyophilized after extensive dialysis against 20mM PB, pH7.4, 300mM NaCl.

Purity:

Greater than 95% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Tumor Necrosis Factor- α in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Tumor Necrosis Factor- α although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNF- α should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ser-Ala-Ser-Arg.

Biological Activity:

The ED₅₀ as determined by the cytolysis of murine L929 cells in the presence of Actinomycin D is less than 0.03ng/ml, corresponding to a Specific Activity of 30,000,000 IU/mg.