
Human TNF alpha Recombinant Protein

Catalog Number: 14-8329

Also Known As: Tumor Necrosis Factor alpha, TNFa TNF-a

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Human TNF alpha Recombinant Protein

REF **Catalog Number:** 14-8329

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids Val 77-Leu 233 of human TNF- alpha accession # HUMTNFAB, N-terminal His-tag

Molecular Mass: 19 kDa

Purity: > 98%, as determined by SDS-PAGE

Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The ED50 of this protein, as measured by L929 cytotoxicity assay, is less than or equal to 80 pg/mL. This corresponds to a specific activity of greater than or equal to 1.3 x 10e7 Units/mg.

Formulation: Sterile liquid; 10 mM sodium phosphate, pH 7.2, 150 mM NaCl, 0.5% BSA. 0.22 um filtered.



Temperature Limitation: Store at less than or equal to -70°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

Human TNF- α is a 17 kDa factor produced by macrophages, monocytes, neutrophils, CD4⁺ T cells and NK cells. A 26 kDa form of TNF- α is expressed as a membrane bound molecule. TNF- α is cytolytic and plays an important role in immune regulation. Dimers and trimers of TNF- α have been observed.

Applications Reported

Recombinant human TNF- α is biologically active and can induce cytolysis of L929 mouse cell line in culture. It is also used as cytokine in human TNF- α ELISA.

Applications Tested

The ED50 of this protein, as measured by L929 cytotoxicity assay, is less than or equal to 80 pg/mL. This corresponds to a specific activity of greater than or equal to 1.3 x 10e7 Units/mg.

Related Products

13-7349 Anti-Human TNF alpha Biotin (MAb11)

14-7348 Anti-Human TNF alpha Purified (MAb1)

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