

Recombinant Human TNF- α

Catalog Number	Size
AG121-25	25 μ g
AG121-50	50 μ g

Specifications and Use

Description	Recombinant human TNF- α produced in E.coli is a single, non-glycosylated, polypeptide chain containing 157 amino acids, two pairs of disulfide bonds and having a molecular mass of approximately 17.4kDa.
Source	E. coli.
Molecular Mass	Approximately 17.4kDa.
Purity	\geq 95%, as determined by SDS-PAGE and HPLC method.
Endotoxin Level	\leq 1EU/ μ g, determined by the LAL method.
Biological Activity	Specific Activity shall be not less than 2×10^7 IU/mg.
Formulation	Lyophilized from a 0.2 μ m filtered solution in 40mM Tris-HCl, 40mM NaCl, containing 0.1% human serum albumin, pH8.0.
Reconstitution	It is recommended to reconstitute the lyophilized rHuTNF- α in sterile ddH ₂ O not less than 100 μ g/ml, containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution.
Storage	Lyophilized samples are stable for greater than six months from date of receipt at -20 $^{\circ}$ C to -70 $^{\circ}$ C. The reconstituted samples can be stored under sterile conditions at 2- 8 $^{\circ}$ C for one month or at -20 $^{\circ}$ C to -70 $^{\circ}$ C for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Human Tumor Necrosis Factor- α

Human TNF- α is a 17.4kD factor produced by macrophages, monocytes, neutrophils, CD4+ T cells and NK cells. A 26kD 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.

FOR RESEARCH USE ONLY