

TNF-alpha Peptide

Subcategory: Blocking Peptide, Synthetic Peptide

Cat. No.: 300126

Unit: 0.1 mg

Description:

Tumor necrosis factor alpha (TNF-alpha) is a cytokine that binds to the TNF-R1 and TNF-R2 receptors. TNF-alpha is mainly secreted by macrophages and induces cell death of certain tumor cell lines. It is a potent pyrogen causing fever by direct action or by stimulation of IL-1 secretion, and therefore found in cachexia accompanying diverse cancers and infections. Genetic variations in TNF are associated with susceptibility to psoriatic arthritis and to HBV infection.

Format: Each vial contains 0.1 ml peptide in deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Tumor necrosis factor; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a; Cachectin; TNF; TNFA; TNFSF2

Accession No.: P01375

MW: 2770.2 g/mol

Sequence: The synthetic peptide used to raise the antibody Cat. No. 250844 is selected from a sequence within the center region of human TNF-alpha. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Composition: C126H196N30O38S1

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.