

## 32-20238: Recombinant Murine TNF-Alpha(Discontinued)

**Reactivity :** Cow, Human, Monkey, Mouse, Rat

**Alternative Name :** Tumor Necrosis Factor, TNFSF2, Cachectin, Differentiation-inducing factor (DIF), Necrosin, Cytotoxin

### Description

#### Source:E.coli

TNF-Alpha is a pleiotropic pro-inflammatory cytokine secreted by various cells including adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. It belongs to the TNF family of ligands and signals through two receptors, TNFR1 and TNFR2. TNF-Alpha is cytotoxic to a wide variety of tumor cells and is an essential factor in mediating the immune response against bacterial infections. TNF-Alpha also plays a role in the induction of septic shock, auto immune diseases, rheumatoid arthritis, inflammation, and diabetes. Recombinant Murine TNF-Alpha is a soluble 156 amino acid protein (17.3 kDa) which corresponds to C-terminal extracellular domain of the full length transmembrane protein.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL SQRANALLAN GMDLKDNQLV VPADGLYLVIY  
SQVLFKGGQC PDYVLLTHTV SRFAISYQEK VNLLSAVKSP CPKDTPEGAE LKPWYEPIYL GGVFQLEKGD  
QLSAEVNLPK YLDFAESGQV YFGVIAL

### Application Note

The  $ED_{50}$  as determined by the cytotoxicity of murine L929 cells in the presence of actinomycin D is  $\leq 0.1$  ng/ml, corresponding to a specific activity of  $A_{280} \geq 1 \times 10^{11}$  IU/mg.