

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 VPADGLYLVEY
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 ≤ 0.1 ng/ml, corresponding to a specific activity of $A_{280} \geq 1 \times 10^{11}$ U/mg.