

TNF α , 80-235aa, Mouse, E.coli

Cat.NO.: TP04240

3th Edition

Synonyms:Tumor necrosis factor, DIF, TNF-alpha, TNFalpha, Tnfsf1a, TNFSF2, Cachectin

Description:TNF α , also known as tumor necrosis factor, binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia. Recombinant mouse TNF α protein was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid in. Phosphate buffered saline (pH 7.4)

Molecular Weight:17.4 kDa (157aa), confirmed by MALDI-TOF

Sequences:

MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNLVVPADGLYLVYSQVLFKGGQCPDYV
LLTHTVSRFAISYQEKVNLLSAVKSPCKDTPEGAELKPWYEPIYLGGVFQLEKGDQLSAEVNLPKYLDFAESGQVY
FGVIAL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.