

AR50300PU-S**Mouse Tumor necrosis factor (TNF-alpha) (80-235) - Purified**

Alternate names:	Cachectin, TNF, TNF-a, TNFA, TNFSF2, Tumor necrosis factor ligand superfamily member 2
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	TNFa, 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.
Uniprot ID:	P06804
NCBI:	NP_038721
Species:	Mouse
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: Phosphate buffered saline (pH 7.4)
Description:	Recombinant mouse TNFa protein was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL SQRANALLAN GMDLKDNLV VPADGLYLVIY SQVLFKGGQC PDYVLLTHTV SRFAISYQEK VNLLSAVKSP CPKDTPEGAE LKPWYEPYIL GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL Molecular weight: 17.4 kDa (157aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Shakhov A.N., et al. (1987) Bioorg. Khim. 13:701-705 Pennica D., et al. (1985) Proc. Natl. Acad. Sci. U.S.A. 82:6060-6064
Pictures:	