

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

<b>Alternate names:</b>	Cachectin, TNF, TNF-a, TNFA, TNFSF2, Tumor necrosis factor ligand superfamily member 2
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P06804</a>
<b>NCBI:</b>	<a href="#">NP_038721</a>
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> Phosphate buffered saline (pH 7.4)
<b>Description:</b>	Recombinant mouse TNFa protein was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL SQRANALLAN GMDLKDNLV VPADGLYLVIY SQVLFKGGQC PDYVLLTHTV SRFAISYQEK VNLLSAVKSP CPKDTPEGAE LKPWYEPYIL GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL <b>Molecular weight:</b> 17.4 kDa (157aa), confirmed by MALDI-TOF
<b>Storage:</b>	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.
<b>General Readings:</b>	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
<b>Pictures:</b>	

