

## Active Recombinant Canine TNF

Cat. No. TNF-480C    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Canine TNF (NP_001003244.4) soluble form (Val 77-Leu 233), fused with an initial Met at the N-terminus, was produced in E. coli.
<b>Species</b>	Canine
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val 77-Leu 233
<b>Form</b>	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cytotoxicity assay using L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 0.01-0.08 ng/ml.
<b>Molecular Mass</b>	The recombinant canine TNF $\alpha$ consists of 158 amino acids and has a calculated molecular mass of 17.3 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.
<b>Purity</b>	> 96 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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