

Active Recombinant Canine TNF

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

SPECIFICATION

Product Overview	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.
Species	Canine
Source	E.coli
ProteinLength	Val 77-Leu 233
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	The recombinant canine TNFα 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.
Purity	> 96 % as determined by SDS-PAGE
Storage	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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