

InVivoPro Anti-Mouse TNF α *in vivo* antibody, Clone TN3-19.12

Cat #: IV0110

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Product Information

Isotype:	Armenian Hamster IgG
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	<i>In vivo</i> TNF α neutralization, Enzyme-linked Immunosorbent Assay
Recommended Isotype Control:	Armenian Hamster IgG Isotype Control
Endotoxin:	≤ 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μ M filtered
Purification:	Protein A or G
Recommended Dose Range:	200-500 μ g per mouse; or 10-20 mg/kg. This range is based off the most recent publication data using the TN3-19.12 clone <i>in vivo</i> . Each investigator should determine their own optimal working dilution for specific applications.
Storage:	This antibody is stable for at least 2 months when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid repeated freeze thaw cycles.

Background

The tumor necrosis factor (TNF-alpha) is a multifaceted polypeptide cytokine known as a mediator of inflammation and immunity. It may mediate some of the significant changes in cellular homeostasis which accompany the invasion of the mammalian host by viruses, bacteria, and parasites. TNF-alpha is an acute phase protein which initiates a cascade of cytokines and increases vascular permeability, thereby recruiting macrophage and neutrophils to a site of infection. TNF-alpha secreted by the macrophage causes blood clotting which serves to contain the infection. TNF-alpha has been detected in synovial fluid of patients with rheumatoid arthritis. Clone TN3-19.12 antibody can neutralize the bioactivity of natural or recombinant TNF-alpha.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.