Anti-Mouse TNF Alpha (TN3-19.12) In Vivo Antibody - Low Endotoxin

Bulk anti-TNF alpha In Vivo Antibody - Low Endotoxin (TN3-19.12)

Bio X Cell:

ICH1136 is up to 37% cheaper for industry than the equivalent product BE0244 from Bio X Cell. **Product Benefits:**

ichorbio's anti-TNF alpha In Vivo Antibody - Low Endotoxin (TN3-19.12) is manufactured in a cGMP compliant facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from Bio X Cell at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

Target:

TNF alpha

Clone:

TN3-19.12

Size:

ichorbio's TN3-19.12 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg ichorbio regularly manufactures multi-gram amounts of our anti-TNF alpha TN3-19.12 clone - please contact us for pricing.

Isotype:

Armenian Hamster IgG

Other Names:

Cachectin, TNFa, Tumor necrosis factor ligand superfamily member 2, Tnfsf2

Uniprot:

P06804

Host:

Armenian Hamster

Species Reactivity:

Mouse

Specificity:

Anti-TNF alpha In Vivo Antibody - Low Endotoxin (TN3-19.12) recognizes Mouse TNFa

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Antigen Distribution:

Activated monocytes, neutrophils, macrophages, T cells, B cells, NK cells, LAK cells

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

Immunogen:

Recombinant mouse TNFalpha

Concentration:

1.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

? 1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level ? 5%

Aggregation level ? 1%

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our hamster antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Hamster parvovirus Lymphocytic choriomeningitis Minute virus of mice Theiler's murine encephalomyelitis virus Sendai virus Reovirus 3 Hantaan virus

Storage:

This antibody is stable for at least 4 weeks 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.

Applications:

Immunoprecipitation, Western Blot, Functional Assays, Flow Cytometry, Blocking

How much TN3-19.12 to use in vivo:

We recommend using 250 µg per mouse when performing in vivo; research using ichorbio's low endotoxin TNF alpha antibody clone TN3-19.12. This range is based off the most recent publication data using the TN3-19.12 clone in vivo. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

Armenian Hamster IgG Isotype Control for In Vivo - Low Endotoxin [PIP] (ICH2251)

Antibodies against the same target:

Anti-TNF alpha In Vivo Antibody - Low Endotoxin [MP6-XT22] (ICH1127)

Immunofluorescence (paraffin-embedded sections):

Immunofluorescence analysis of paraffin-embedded mouse liver tissue section labeling TNF-alpha (1:100 dilution) overnight at 4?, followed by goat anti-hamster IgG H&L (Alexa Fluor ® 647-red) secondary antibody (1:500 dilution). The nuclear counter stain is DAPI (blue). Image was acquired on a Nikon A1R microscope system at 4x magnification (first image) or 60x magnification (second image).