

# Anti-Mouse IFN Alpha (TIF-3C5) In Vivo Antibody - Low Endotoxin

Bulk anti-IFN alpha In Vivo Antibody - Low Endotoxin (TIF-3C5)

## Product Specific Citations:

Mine et al. TYK2 signaling promotes the development of autoreactive CD8+ cytotoxic T lymphocytes and type 1 diabetes. Nature Communications volume 15, Article number: 1337 (2024)

## Product Benefits:

ichorbio's anti-IFN alpha In Vivo Antibody - Low Endotoxin (TIF-3C5) 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:

IFN alpha

## Clone:

TIF-3C5

## Isotype:

Armenian Hamster IgG1

## Other Names:

IFNa, interferon alpha

## Host:

Armenian Hamster

## Species Reactivity:

Mouse

## Specificity:

Anti-IFN alpha In Vivo Antibody - Low Endotoxin (TIF-3C5) recognizes an epitope on Mouse IFNalpha and binds specifically to murine IFNa species (IFN-alpha-A, -1, -4, -5, -11. and -13) and does not bind murine murine IFNg

or IFN $\beta$

## **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.

## **Immunogen:**

Recombinant murine IFN alpha 5

## **Concentration:**

1.0 - 5.0 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:**

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Western Blot, Blocking

**Application Notes:**

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 \[PIP\] \(ICH2251\)](#)