

Anti-Mouse IFN Gamma (H22) In Vivo Antibody - Low Endotoxin

Product Code: ICH1109

Bulk anti-IFN gamma In Vivo Antibody - Low Endotoxin (H22)

Bio X Cell:

ICH1109 is [up to 37% cheaper](#) for industry than the equivalent product BE0312 from Bio X Cell. **Product Benefits:**

ichorbio's anti-IFN gamma In Vivo Antibody - Low Endotoxin (H22) 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 gamma

Clone:

H22

Size:

ichorbio's H22 *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-interferon gamma H22 clone - please contact us for pricing.

Isotype:

Armenian Hamster IgG

Other Names:

ichor.bio // hello@ichor.bio

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Interferon gamma, Ifng

Uniprot:

[P01580](#)

Host:

Armenian Hamster

Species Reactivity:

Mouse, Rat

Specificity:

Anti-IFN gamma In Vivo Antibody - Low Endotoxin (H22) recognizes an epitope on Mouse IFN-gamma

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.

Background:

Interferon-gamma (IFN-gamma) or type II interferon is a dimerized soluble cytokine that is the only member of the type II class of interferons.¹ It is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. IFNG is produced predominantly by natural killer (NK) and natural killer T (NKT) cells as part of the innate immune response, and by CD4 and CD8 cytotoxic T lymphocyte (CTL) effector T cells once antigen-specific immunity develops.² IFN-gamma has antiviral, immunoregulatory, and anti-tumour properties

Immunogen:

Purified Recombinant Mouse IFN-gamma (>98%)

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, Neutralization, ELISA, Immunofluorescence

Application Notes:

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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-IFN gamma In Vivo Antibody - Low Endotoxin [XMG1.2] (ICH1141)