

Anti-Mouse IFN Gamma (XMG1.2) In Vivo Antibody - Low Endotoxin

Product Code: ICH1141

Bulk anti-IFN gamma In Vivo Antibody - Low Endotoxin (XMG1.2)

Product Specific Citations:

[Ilija Brizić, Andrea Mihalić, Daria Kveštak et al. Persistently primed microglia restrict the reactivation of latent cytomegalovirus at the expense of neuronal synaptic connectivity, 03 October 2024, PREPRINT \(Version 1\) available at Research Square \[https://doi.org/10.21203/rs.3.rs-5144336/v1\]](https://doi.org/10.21203/rs.3.rs-5144336/v1)

Bio X Cell:

ICH1141 is [up to 37% cheaper](#) for industry than the equivalent low endotoxin product (BE0055) from Bio X Cell. ICH1141UL is up to 36% cheaper for industry compared to the ultra-low endotoxin version from Bio X Cell (BP0055).

Product Benefits:

ichorbio's anti-IFN gamma In Vivo Antibody - Low Endotoxin (XMG1.2) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 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:

XMG1.2

Size:

ichorbio's XMG1.2 *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-IFN gamma XMG1.2 clone - please contact us for pricing.

Isotype:

Rat IgG1

Other Names:

Interferon gamma, Ifng

Uniprot:

[P01580](#)

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-IFN gamma In Vivo Antibody - Low Endotoxin (XMG1.2) 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- γ) or type II interferon is a dimerized soluble cytokine that is the only member of the type II class of interferons. 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. IFNG 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 analyzed by silver stain.

>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%

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:

ELISA Capture, ELISPOT, IHC (Frozen), Neutralization, Western Blot, CyTOF

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Isotype Control:

[Rat IgG1 Isotype Control for In Vivo - Low Endotoxin \[GL113\] \(ICH2246\)](#)

Antibodies against the same target:

[Anti-IFN gamma In Vivo Antibody - Low Endotoxin \[H22\] \(ICH1109\)](#), [Anti-IFN gamma In Vivo Antibody - Ultra Low Endotoxin \[H22\] \(ICH1109UL\)](#)

Immunofluorescence (paraffin embedded sections):

Immunofluorescence analysis of paraffin-embedded breast cancer tissue section labeling IFN-g (1:100) overnight at 4°, followed by goat anti-mouse IgG H&L (Alexa Fluor® 647-red) secondary antibody (1:500 dilution).. MDA-MB-231 cells were injected via mouse nipple and grown for 5 weeks. Image was acquired on a Nikon A1R microscope system at 4x magnification (first image) or 60x magnification (second image).

Alternative Names:

- IF 1 antibody
- IFG antibody
- IFI antibody
- ifn g antibody
- IFN gamma antibody
- IFN immune antibody
- IFN, immune antibody
- IFN-gamma antibody
- IFNG antibody



- Immune interferon antibody
- Interferon gamma antibody
- Type II Interferon antibody