

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

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

## **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:**

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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- $\gamma$ ) 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°C, 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