

Mouse IFN γ Antibody

Purified in vivo PLATINUM™ Functional Grade

Monoclonal Antibody

Product Information

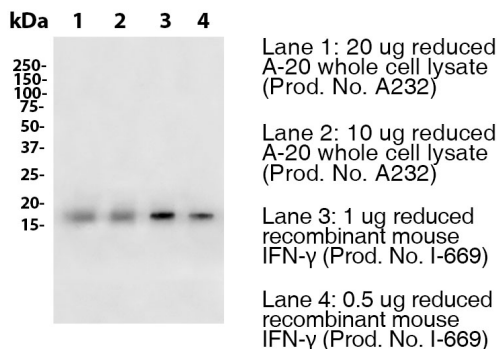
Product No.: I-1190

Clone: H22

RRID: AB_2830520

Isotype: Armenian Hamster IgG

Storage: Sterile 2 to 8°C



Primary: anti-mouse IFN- γ antibody (H22) at 6 ug/ml (Prod. No. I-1190)

Secondary: HRP labeled goat anti-armenian hamster at 1:1000 dilution (Prod. No. A127)

Predicted band size: 14-20 kDa

Product Description

Specificity:

Armenian Hamster Anti-Mouse Interferon Gamma (IFN- γ) (Clone H22) recognizes an epitope on Mouse IFN- γ . This antibody was also pathogen tested and third-party certified by IDEXX BioResearch to meet the lowest mycoplasma specification and free of any viral pathogens of concern.

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.³ 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.⁴ IFN- γ has antiviral, immunoregulatory, and anti-tumour properties.⁵

Known Reactivity Species:

Mouse

Format:

Purified in vivo PLATINUM™ Functional Grade

Immunogen:

Purified Recombinant Mouse IFN- γ (>98%)

Formulation

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥98% monomer by analytical SEC, >95% by SDS Page

Endotoxin

<0.5 EU/mg as determined by the LAL method

Storage and Stability

Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C.

Avoid Repeated Freeze Thaw Cycles.**Product Preparation**

Functional grade preclinical antibodies are manufactured in an animal free facility using *in vitro* cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Pathogen Testing

To protect mouse colonies from infection by pathogens and to assure that experimental preclinical data is not affected by such pathogens, all of Leinco's Purified Functional PLATINUM™ antibodies are tested and guaranteed to be negative for all pathogens in the IDEXX IMPACT I Mouse Profile.

Applications**Applications and Recommended Usage (Quality Tested By Leinco):**

WB The suggested concentration for this clone H22 antibody for use in western blotting is 0.5 µg/ml.

Other Applications Reported in Literature:**N****ELISA****IF****IP**

For specific conjugates of this clone, review literature for suggested application details.

Country of Origin

USA

References

- 1) Schreiber, RD. *et al.* (2017) *Cancer Immunol Res.* 5(2):106-117. [PubMed](#)
- 2) Schreiber, RD. *et al.* (2015) *PLoS One.* 10(5):e0128636. [PubMed](#)
- 3) Goeddel, DV. *et al.* (1982) *Nature* 298: 859
- 4) Wilson, CB. *et al.* (2007) *Adv. Immunol.* 96: 41
- 5) Hume, DA. *et al.* (2004) *J Leukoc Biol.* 75: 163
- 6) Karki *et al.* (2021) *Cell.* 184:149–168 [Journal Link](#)