BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti- IFN Gamma Monoclonal Antibody

Catalog Number: M00393-5

About Ifng

Interferon-gamma (IFN-gamma) is an inflammatory cytokine that has been implicated in the development of fibrosis in inflamed tissues. The production of IFN-gamma, which is under genetic control, can influence the development of fibrosis in lung allografts. IFN-gamma is also produced by natural killer (NK) cells and most prominently by CD8 cytotoxic T cells, and is vital for the control of microbial pathogens. Interferon gamma is believed to be crucial for host defence against many infections. Genetically determined variability in IFN-gamma and expression might be important for the development of tuberculosis. IFN-gamma activates human macrophage oxidative metabolism and antimicrobial activity. In addition to having antiviral activity, IFN-gamma has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.

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Overview

Product Name	Anti- IFN Gamma Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti- IFN Gamma Monoclonal Antibody catalog # M00393-5. Tested in IHC-P applications. This antibody reacts with Mouse.
Application	IHC-P
Clonality	Monoclonal AFII-9
Formulation	PBS, pH 7.0. Contains no stabilizers or preservatives
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rat
Uniprot ID	P01580

Technical Details

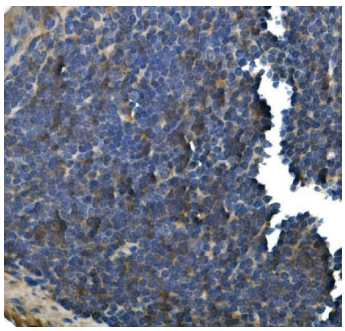
Immunogen	Recombinant mouse IFNgamma
Predicted Reactive Species	Bovine

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Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0001-1) for IHC(P) .
Cross Reactivity	No cross reactivity with other proteins
Isotype	Rat IgG1, kappa
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Mouse

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Anti- IFN Gamma Monoclonal Antibody (M00393-5) Images



IHC analysis of IFN Gamma using anti-IFN Gamma antibody (M00393-5). IFN Gamma was detected in paraffin-embedded section of mouse lymphaden tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/ml rat anti-IFN Gamma Antibody (M00393-5) overnight at 4°C. Biotinylated goat anti-rat IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 10.1016/j.imlet.2021.06.007, Combination of mesenchymal stem cells and FK506 prolongs heart allograft survival by inhibiting TBK1/IRF3-regulated-IFN-gamma production

Visit bosterbio.com/anti-ifn-gamma-monoclonal-antibody-m00393-5-boster.html to see all 1 publications.

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