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BOSTER BIOLOGICAL TECHNOLOGY
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Anti- IFN Gamma Monoclonal Antibody

Catalog Number: M00393-4

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	Human
Description	Boster Bio Anti- IFN Gamma Monoclonal Antibody catalog # M00393-4. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Monoclonal AFIG-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	Mouse
Uniprot ID	P01579

Technical Details

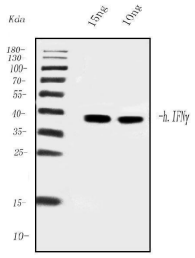
Immunogen	Recombinant human IFNgamma
Predicted Reactive Species	Primate

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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5ug/ml, Human Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti- IFN Gamma Monoclonal Antibody (M00393-4) Images



Western blot analysis of IFN Gamma using anti-IFN Gamma antibody (M00393-4). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant human IFN Gamma protein 15ng, Lane 2: recombinant human IFN Gamma protein 10ng. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-IFN Gamma antigen affinity purified monoclonal antibody (Catalog # M00393-4) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001) with Tanon 5200 system.

1 Publications Citing This Product

1. PubMed ID: 10.1002/ptr.7297, Quercetin inhibiting the PD-1/PD-L1 interaction for immune-enhancing cancer chemopreventive agent

Visit bosterbio.com/anti-ifn-gamma-monoclonal-antibody-m00393-4-boster.html to see all 1 publications.

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