BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Interferon gamma/IFNG Antibody Picoband®

Catalog Number: PA1493

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-Interferon gamma/IFNG Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Interferon gamma/IFNG Antibody catalog # PA1493. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01579

BOSTER
antibody and ELISA experts

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IFN gamma.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

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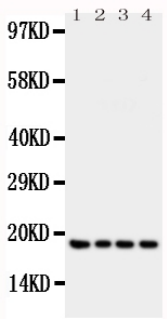
Anti-Interferon gamma/IFNG Antibody Picoband® (PA1493) Images



Anti-IFN gamma antibody, PA1493, Western blottingAll lanes: Anti IFN gamma (PA1493) at 0.5ug/mlLane 1: Recombinant Human IFN gamma Protein 10ngLane 2: Recombinant Human IFN gamma Protein 5ngLane 3: Recombinant Human IFN gamma Protein 2.5ngLane 4: Recombinant Human IFN gamma Protein 1.25ngPredicted bind size: 19KDObserved bind size: 19KD

5 Publications Citing This Product

1. PubMed ID: 25483698, Yan X, Wang D, Liang F, Fu L, Guo C. Hum Vaccin Immunother. 2014;10(12):3491-8. Doi: 10.4161/Hv.36084. Hpv16L1-Attenuated Shigella Recombinant Vaccine Induced Strong Vaginal And Systemic Immune Responses In Guinea Pig Model.

2. PubMed ID: 24798997, Somatostatin Inhibits the Production of Interferon-? by Intestinal Epithelial Cells During Intestinal Ischemia?Reperfusion in Macaques

3. PubMed ID: 26222793, Somatostatin Improved B Cells Mature in Macaques during Intestinal Ischemia-Reperfusion

Visit bosterbio.com/anti-ifn-gamma-antibody-pa1493-boster.html to see all 5 publications.

Anti-Interferon gamma/IFNG Antibody

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