

Anti-Interferon gamma/IFNG Antibody

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.

Overview

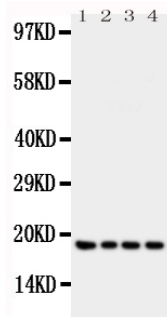
Product Name	Anti-Interferon gamma/IFNG Antibody
Reactive Species	Human
Description	Boster Bio Anti-Interferon gamma/IFNG Antibody catalog # PA1493. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IFN gamma.
Predicted Reactive Species	Bovine
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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

Anti-Interferon gamma/IFNG Antibody (PA1493) Images



Anti-IFN gamma antibody, PA1493, Western blotting
All lanes: Anti IFN gamma (PA1493) at 0.5ug/ml
Lane 1: Recombinant Human IFN gamma Protein 10ng
Lane 2: Recombinant Human IFN gamma Protein 5ng
Lane 3: Recombinant Human IFN gamma Protein 2.5ng
Lane 4: Recombinant Human IFN gamma Protein 1.25ng
Predicted bind size: 19KD
Observed bind size: 19KD

5 Publications Citing This Product

1. PubMed ID: 26222793, Somatostatin Improved B Cells Mature in Macaques during Intestinal Ischemia-Reperfusion
2. PubMed ID: 28902929, Women with Recurrent Miscarriage Have Decreased Expression of 25-Hydroxyvitamin D3-1?-Hydroxylase by the Fetal-Maternal Interface
3. 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.

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

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