

Anti-Interferon gamma IFNG Antibody Picoband™ (monoclonal, 8E9)

Catalog Number: M00393-2

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 Picoband™ (monoclonal, 8E9)
Reactive Species	Rat
Description	Boster Bio Anti-Interferon gamma IFNG Antibody Picoband™ (monoclonal, 8E9) catalog # M00393-2. Tested in ELISA applications. This antibody reacts with Rat.
Application	ELISA
Clonality	Monoclonal Clone: 8E9
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 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	Mouse
Uniprot ID	P01581

Technical Details

Immunogen	E. coli-derived rat Interferon gamma recombinant protein (Position: Q23-C156). Rat Interferon gamma shares 38% and 86% amino acid (aa) sequence identity with human and mouse Interferon gamma, respectively.
Predicted Reactive Species	Hepatitis Virus
Recommended Detection Systems	Boster provides a series of assays reacted with primary antibodies.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA (Cap), 1-5ug/ml

Anti-Interferon gamma IFNG Antibody Picoband™ (monoclonal, 8E9) (M00393-2) Images

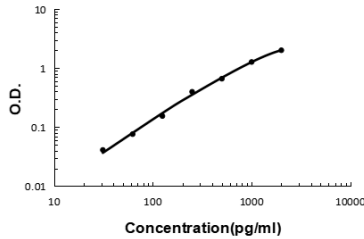


Figure 1. Sandwich ELISA - Recombinant rat Interferon gamma protein standard curve.
Use in combination with reagents from Rat Interferon gamma ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0374).

3 Publications Citing This Product

1. PubMed ID: 26222793, Somatostatin Improved B Cells Mature in Macaques during Intestinal Ischemia-Reperfusion
2. 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.
3. PubMed ID: 24798997, Somatostatin Inhibits the Production of Interferon- γ by Intestinal Epithelial Cells During Intestinal Ischemia/Reperfusion in Macaques

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