

## 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	<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>ELISA (Cap), 1-5ug/ml</p>

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

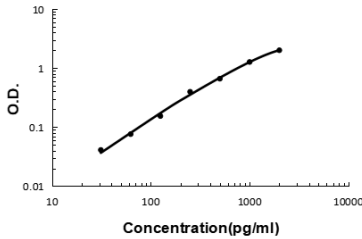


Figure 1. Sandwich ELISA - Recombinant rat Interferon gamma protein standard curve.  
Use in combination with reagents from Rat Interferon gamma ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0374).

### 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- $\gamma$  by Intestinal Epithelial Cells During Intestinal Ischemia/Reperfusion in Macaques

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