BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Interferon gamma IFNG Antibody (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.

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Overview

Product Name	Anti-Interferon gamma IFNG Antibody (monoclonal, 8E9)
Reactive Species	Rat
Description	Boster Bio Anti-Interferon gamma IFNG Antibody (monoclonal, 8E9) catalog # M00393-2. Tested in ELISA applications. This antibody reacts with Rat.
Application	ELISA (Cap)
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

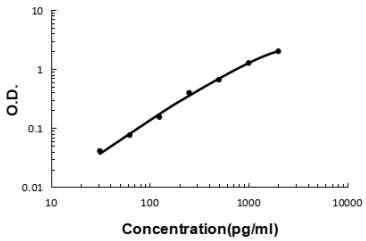
Immunogen	E. coli-derived rat Interferon gamma recombinant protein (Position: Q23-C156). Rat Interferon gamma shares 38% and 86% amino acid (aa) sequence identity with human and mouse Interferon gamma, respectively.

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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	ELISA (Cap), 1-5ug/ml

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



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: 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

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