IFN-gamma Antibody – Mouse

PRODUCT OVERVIEW

Product Name	IFN-gamma, Antibody
Full Product Name	PE Anti-Human IFN-gamma Antibody
Product Gene Name	anti-IFN-gamma antibody
Product Synonym Names	Interferon gamma, IFNG, IFN-gamma, IFNgamma
Isotype	Rat IgG2b, kappa
Host	Mouse
Species Reactivity	Human
Form/Format	PBS with 0.05% Proclin300, 1% BSA
Preparation and Storage	Store at 2~8 degree C and protected from prolonged exposure to light. Do not freeze.
Molecular Weight	19,348 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (68548550..68553521, complement). Location: 12q14
OMIM	147570
3D Structure	ModBase 3D Structure for P01579
Conjugation	PE
Product Categories/Family for anti-IFN-gamma antibody	Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IFN-gamma antibody	Intracellular Staining for Flow Cytometry (ICFCM)
Related Product Information for anti-IFN-gamma antibody	MBS4515744 is an antibody targeting IFN-gamma. Also known as PE Anti-Human IFN-gamma Antibody. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-IFN-gamma antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFN-gamma. It may not necessarily be applicable to this product.

NCBI GI #	56786138
NCBI GeneID	3458
NCBI Accession #	NP_000610.2
UniProt Primary Accession #	P01579
UniProt Secondary Accession #	Q53ZV4; B5BU88
UniProt Related Accession #	P01579
GenBank Nucleotide #	NM_000619.2

NCBI Official Full Name	interferon gamma
NCBI Official Synonym Full Names	interferon, gamma
NCBI Official Symbol	IFNG
NCBI Official Synonym Symbols	IFG; IFI
UniProt Protein Name	Interferon gamma
UniProt Synonym Protein Names	Immune interferon
Protein Family	Interferon gamma receptor
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	IFN-gamma
UniProt Entry Name	IFNG_HUMAN
NCBI Protein Information	interferon gamma; IFN-gamma; immune interferon
NCBI Summary for IFN-gamma	This gene encodes a member of the type II interferon family. The protein encoded is a soluble cytokine with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. Mutations in this gene are associated with aplastic anemia.[provided by RefSeq, Nov 2009]
UniProt Comments for IFN-gamma	IFNG: Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons. Homodimer. Released primarily from activated T lymphocytes. Belongs to the type II (or gamma) interferon family. Protein type: Cytokine; Secreted; Membrane protein, integral; Secreted, signal peptide Chromosomal Location of Human Ortholog: 12q14 Cellular Component: extracellular space; extracellular region; external side of plasma membrane Molecular Function: interferon-gamma receptor binding; cytokine activity Biological Process: positive regulation of isotype switching to IgG isotypes; positive regulation of nitric oxide biosynthetic process; positive regulation of osteoclast differentiation; negative regulation of smooth muscle cell proliferation; apoptosis; positive regulation of interleukin-23 production; positive regulation of interleukin-12 production; positive regulation of interleukin-6 biosynthetic process; negative regulation of epithelial cell differentiation; negative regulation of transcription from RNA polymerase II promoter; positive regulation of killing of cells of another organism; sensory perception of mechanical stimulus; positive regulation of interleukin-1 beta secretion; positive regulation of membrane protein ectodomain proteolysis; cell surface receptor linked signal transduction; positive regulation of MHC class II biosynthetic process; positive regulation of cell proliferation; positive regulation of mesenchymal cell proliferation; positive regulation of T cell proliferation; cell cycle arrest; defense response to virus; regulation of the force of heart contraction; positive regulation of peptidyl-serine phosphorylation of STAT protein; response to drug; neutrophil chemotaxis; positive regulation of synaptic transmission, cholinergic; adaptive immune response; negative regulation of myelination; CD8-positive, alpha-beta T cell differentiation during immune response; unfolded protein response; response to virus; cytokine and chemokine mediated signaling pathway; positive regulation of tumor necrosis factor production; defense response to protozoan; humoral immune response; antigen processing and presentation; positive regulation of tyrosine phosphorylation of Stat1 protein; positive regulation of chemokine biosynthetic process; positive regulation of interleukin-12 biosynthetic process; negative regulation of interleukin-17 production; protein import into nucleus, translocation; defense response to bacterium; neutrophil apoptosis; positive regulation of transcription from RNA polymerase II promoter; positive regulation of neuron differentiation; cell motility; regulation of insulin secretion Disease: Hepatitis C Virus, Susceptibility To; Aplastic Anemia; Mycobacterium Tuberculosis, Susceptibility To; Tuberous Sclerosis 2; Human Immunodeficiency Virus Type 1, Susceptibility To
Research Articles on IFN-gamma	**1.** we observed the presence of the A allele in most cases that developed retinochoroiditis, which corroborates earlier studies and suggests that individuals with this allele in its homozygous form have a tendency to develop ocular lesions

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-antibody/ifn-gamma/4515744