

ARG30234 IFN gamma ELISA Antibody Duo

Package: 1 pair
Store at: -20°C, 4°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG65520	anti-IFN gamma antibody [NIB42]	Mouse mAb	Hu	ELISA, FuncSt, IP, RIA	100 µg
ARG65396	anti-IFN gamma antibody [4S.B3] (Biotin)	Mouse mAb	Hu, NHuPrm	ELISA, FACS, ICC/IF, IHC-P, WB	50 µg

Summary

Product Description	<p>IFN-gamma, also called Type II interferon, is a homodimeric glycoprotein containing approximately 21 to 24 kD subunits. The human IFN-gamma gene, situated on chromosome 12, contains three introns; the four exons code for a polypeptide of 166 amino acids, 20 of which constitute the signal peptide. In contrast to IFN-a and IFN-b synthesis, which can occur in any cell, production of IFN-gamma is a function of T cells and NK cells. All IFN-gamma inducers activate T cells either in a polyclonal (mitogens or antibodies) or in a clonally restricted, antigen-specific, manner. IFN-gamma is produced during infection by T cells of the cytotoxic/ suppressor</p> <p>phenotype CD8 and by a subtype of helper T cells, the Th1 cells. Th1 cells secrete IL-2, IL-3, TNF-beta and IFN-gamma, whereas Th2 cells mainly produce</p> <p>IL-3, IL-4, IL-5, and IL-10, but little or no IFN-gamma. IFN-g preferentially inhibits the proliferation of Th2 but not Th1 cells, indicating that the presence</p> <p>of IFN-gamma during an immune response will result in the preferential proliferation of Th1 cells.</p> <p>Recommend using Capture antibody: ARG65520, suggested dilution: 2-6 ug/ml Detection antibody: ARG65396, suggested dilution: 0.5-2 ug/ml</p> <p>Related news: HMGB1 in inflammation Inflammatory Cytokines</p>
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Target Name	IFN gamma
Alternate Names	IFN gamma ELISA antibody; Biotin-conjugated IFN gamma antibody; IFN gamma antibody

Properties

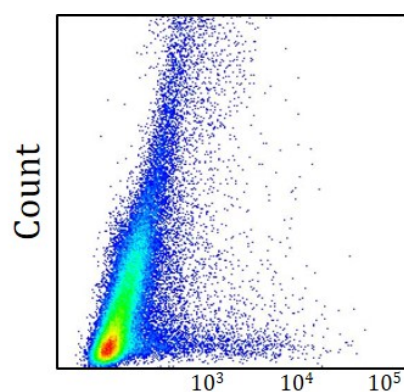
Storage instruction	Store antibodies at 4°C or -20°C. Please refer to the each product datasheet for detail temperatures of the antibodies.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	ELISA Antibody Duo for IFN gamma
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Background	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]
Function	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. [provided by Uniprot]
Highlight	Related products: IFN gamma antibodies; IFN gamma ELISA Kits; IFN gamma Duos / Panels; IFN gamma recombinant proteins;
Research Area	Cancer antibody; Developmental Biology antibody; Immune System antibody; Signaling Transduction antibody
PTM	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.

Images



ARG65396 anti-IFN gamma antibody [4S.B3] (Biotin) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG65396 anti-IFN gamma antibody [4S.B3] (Biotin).