

Datasheet for ABIN6719850
Interferon gamma ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	Interferon gamma (IFNG)
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: IFNG, IFG, IFI, IFN Gamma, IFN gamma, IFN Immune, IFN-gamma, IFNG, IFNG_HUMAN, Immune Interferon, Interferon gamma, Interferon gamma, Interferon Gamma Precursor, Interferon Gamma Precursor, Macrophage Activating Factor, Macrophage Activating Factor, MAF, MAF, T Cell Interferon, T Cell Interferon, Type II Interferon, Type II Interferon</p> <p>Background: 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</p>

Product Details

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. In addition to having antiviral activity, IFN-gamma has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.

Gene Name: IFNG

Production: Natural and recombinant rat IFN gamma. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: E23-C156

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFN gamma (IFNG Products)
Gene ID:	25712
NCBI Accession:	NP_620235
UniProt:	P01581
Pathways:	Interferon-gamma Pathway , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , ER-Nucleus Signaling , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy

Application Details

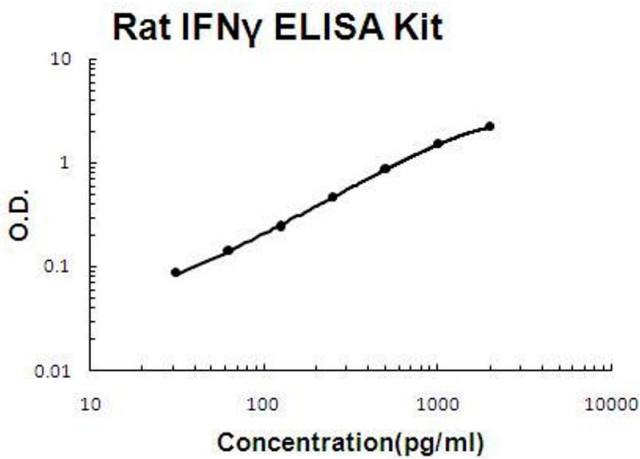
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, rat IFN gamma standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernates or serum to each empty well. We recommend that each rat IFN gamma standard solution and each sample is measured in duplicate. ELISA Dilution: 31.2pg/mL-2000pg/mL
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Rat IFN gamma Accusignal ELISA Kit Rat IFN gamma AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <6pg/ml.