

Human IFN gamma ELISA Kit | IFNG elisa kit

Human IFN gamma PicoKine ELISA Kit

CATALOG #
AAA45289

REACTIVITY
Human

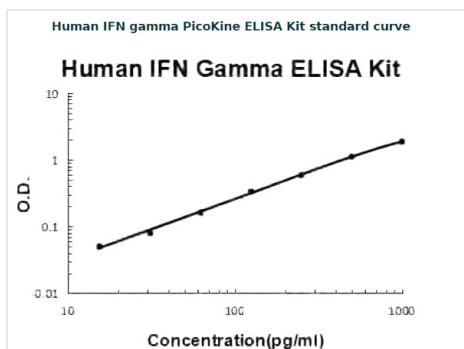
PRODUCT SYNONYMS

IFN gamma; Human IFN gamma PicoKine ELISA Kit; Interferon gamma; interferon; gamma; IFG; IFI; IFN Immune; IFNG; Interferon Gamma Precursor; Macrophage Activating Factor; MAF; T Cell Interferon; Type II Interferon; IFNG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IFNG
Sequence Length	166
Samples	Cell culture supernatants and serum
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFNG elisa kit	Principle of the Assay: The Picokine™ Human IFNG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human IFNG with a 96-well strip plate that is pre-coated with antibody specific for IFNG. The detection antibody is a biotinylated antibody specific for IFNG. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IFNG with immunogen: Expression system for standard: E.coli; Immunogen sequence: Q24-Q166. The kit is analytically validated with ready-to-use reagents. To measure Human IFNG, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human IFNG in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IFNG in the sample. Background/Introduction: 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	124479
NCBI GeneID	3458
UniProt Accession #	P01579; Q53ZV4; B5BU88
Molecular Weight	19,348 Da
NCBI Official Full Name	Interferon gamma
NCBI Official Synonym Full Names	interferon, gamma
NCBI Official Symbol	IFNG
NCBI Official Synonym Symbols	IFG; IFI
NCBI Protein Information	interferon gamma; IFN-gamma; immune interferon
UniProt Protein Name	Interferon gamma
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	IFN-gamma
UniProt Entry Name	IFNG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.