

Human IFN-gamma ELISA Kit | IFN-gamma elisa kit

Human IFN-gamma ELISA Kit

CATALOG # AAA332540	REACTIVITY Human	APPLICATIONS ELISA
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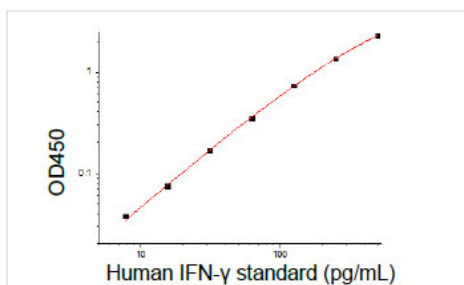
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human IFN-gamma ELISA Kit has high sensitivity and excellent specificity for detection of Human IFN-gamma. No significant cross-reactivity or interference between Human IFN-gamma and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	4 pg/mL
Applicable Applications for IFN-gamma elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFN-gamma elisa kit	Principle of the Assay: Interferon gamma (IFN-gamma) encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Human IFN-gamma ELISA Kit employs a double antibody sandwich method to quantitate Human IFN-gamma in samples. An antibody specific for Human IFN-gamma has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human IFN-gamma present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human IFN-gamma is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The IFN-gamma concentration is proportional to the OD450 nm value.
Product Categories/Family for IFN-gamma elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	56786138
NCBI GeneID	3458
NCBI Accession #	NP_000610.2
NCBI GenBank Nucleotide #	NM_000619.2
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.