

Interferon-Gamma ELISA Kit | IFN-gamma elisa kit

Interferon-Gamma (IFN-gamma), human

CATALOG #
AAA77844

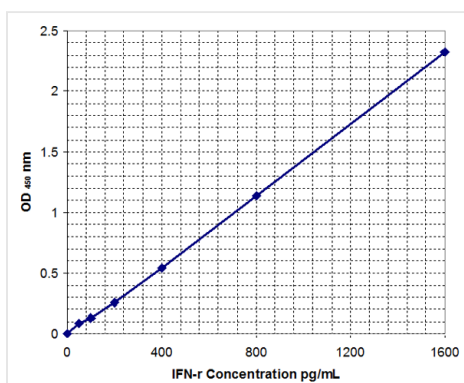
PRODUCT SYNONYMS

Interferon-Gamma; Interferon-Gamma (IFN-gamma); human; Interferon-Gamma (IFN-g); IFN-gamma elisa kit

PRODUCT SPECIFICATIONS

Specificity	This sandwich ELISA recognizes both natural and recombinant human IFN-gamma. This kit exhibits no detectable cross-reactivity with human; SAA, EGF, IL-6, IL-8, IL-16, M-CSF, GM-CSF, TGF-beta1, RANTES, FGF, MIP-1alpha, CRP, EPO.
Sequence Length	166
Samples	Serum, plasma, Cell Culture Supernatant, and other biological fluids
Assay Type	Sandwich
Sensitivity	The minimum detectable dose of IFN-gamma was determined by adding two standard deviations to the mean optical density value of the 20 zero standard replicates and calculating the corresponding concentration from the standard curve. The minimum detectable dose using a standard curve generated with Calibrator Diluent I is 13.1 pg/mL and using Calibrator Diluent II is 7.5 pg/mL.
Intra-assay Precision	To determine within-run precision, three different samples of known concentration were assayed by replicates of 20 in 1 assay.
Inter-assay Precision	To determine between-run precision, three different samples of known concentration were assayed by replicates on 20 different assays.
Intended Uses	This Human IFN-gamma ELISA kit is to be used for the in vitro quantitative determination of concentrations in serum, plasma, cell culture supernatant, and other biological fluids. This kit is intended FOR LABORATORY RESEARCH USE ONLY and is not for use in therapeutic procedures.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IFN-gamma elisa kit	Principle of the assay: This IFN-gamma enzyme-linked immunosorbent assay (ELISA) applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal specific for IFN-gamma. Standards or samples are then added to the appropriate microtiter plate wells and incubated. IFN-gamma, if present, will bind and become immobilized by the antibody pre-coated on the wells. The microtiter plate wells are thoroughly washed to remove unbound IFN-gamma and other components of sample. In order to quantitatively determine the amount of IFN-gamma present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated monoclonal antibody specific for IFN-gamma is added to each well to "sandwich" the IFN-gamma immobilized during the first incubation. The microtiter plate then undergoes a second incubation. The wells are thoroughly washed to remove all unbound HRP-conjugated antibodies and a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IFN-gamma and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450nm +/- 2nm.
Product Categories/Family for IFN-gamma elisa kit	ELISA Kits for Human Cytokines and Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	184639
NCBI GeneID	3458
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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ifn-gamma-elisa-kits/interferon-gamma/77844>