

Interferon-Gamma ELISA Kit | IFN-gamma elisa kit

Interferon-Gamma (IFN-gamma)

CATALOG #
AAA77882

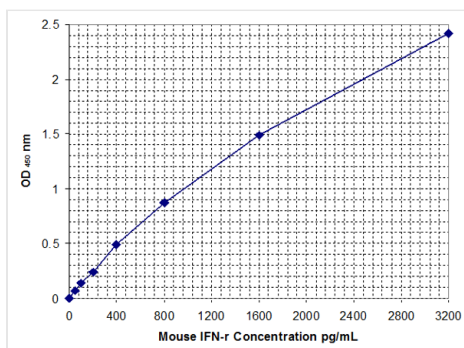
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Sequence Length	166
Samples	Mouse serum and Cell Culture Supernatant
Assay Type	Sandwich
Sensitivity	The minimum detectable dose of mouse 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 8 in 1 assay.
Intended Uses	This Mouse IFN-gamma ELISA kit is to be used for the in vitro quantitative determination of mouse interferon-gamma concentrations in mouse serum and cell culture supernatant. 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 mouse IFN-gamma enzyme-linked immunosorbent assay (ELISA) applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been precoated with a monoclonal specific for mouse IFN-gamma. Standards or samples are then added to the appropriate microtiter plate wells and incubated. In order to quantitatively determine the amount of mouse IFN-gamma present in the sample, a biotin-conjugated antibody specific for mouse 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 and the wells are thoroughly washed to remove all unbound Biotin-conjugated antibodies. Avidin can bind to biotin with high affinity and amplify the biotin signal. A preparation of avidin conjugated HRP is added to each well and incubated. The avidin HRP conjugate will bind to wells containing biotin. After washing the wells, the unbounded avidin-HRP conjugate is removed. 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 biotin-conjugated antibody, avidin conjugated HRP 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. In order to measure the concentration of mouse IFN-gamma in the samples this kit contains two calibration diluents. (Calibrator Diluent I for serum/plasma testing and Calibrator Diluent II for cell culture supernatant). According to the testing system, the provided standard is 2 x fold serial diluted with the appropriate Calibrator Diluent and assayed at the same time as the samples. This allows the operator to produce a standard curve of Optical Density (O.D.) versus mouse IFN-gamma concentration (pg/mL). The concentration of mouse IFN-gamma in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IFN-gamma elisa kit	ELISA Kits for Mouse Cytokines and Receptors

NCBI AND UNIPROT INFORMATION

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

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Online datasheet: <https://stage.aaabiotech.com/ifn-gamma-elisa-kits/interferon-gamma/77882>