

ARG83338 Human IFN gamma ELISA Kit

Package: 96 wells
Store at: 4°C; -20°C

Component

Cat. No.	Component Name	Package	Temp
ARG83338-01	Antibody Coated Microplate	8 X 12 strips	4°C
ARG83338-02	Standard (Lyophilized)	3 vials	4°C
ARG83338-03	100X Antibody Conjugate Concentrate	120 µl	≤ -20°C
ARG83338-04	100X HRP-Streptavidin Solution	120 µl	4°C
ARG83338-05	Standard / Sample Diluent Buffer	20 ml	4°C
ARG83338-06	Antibody Diluent buffer	30 ml	4°C
ARG83338-07	20X Wash Buffer	45 ml	4°C
ARG83338-08	TMB substrate	12 ml	4°C (protect from light)
ARG83338-09	STOP solution	12 ml	4°C
ARG83338-10	Plate sealer	3 adhesive strips	Room temperature

Summary

Product Description	ARG83338 Human IFN gamma ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human IFN gamma in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Canine IFN- gamma, cotton rat IFN- gamma, equine IFN- gamma, feline IFN- gamma, mouse IFN- gamma, porcine IFN- gamma, rat IFN- gamma
Target Name	IFN gamma
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	3.9 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	7.8 - 500 pg/ml
Sample Volume	50 µl
Precision	CV: less than 10%

Alternate Names IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

Application Instructions

Assay Time 4.5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol IFNG

Gene Full Name interferon, gamma

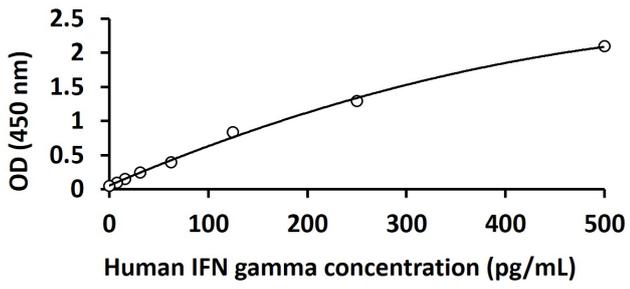
Background This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of the both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Sep 2015]

Function Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons. [UniProt]

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PTM Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.



ARG83338 Human IFN gamma ELISA Kit standard curve image

ARG83338 Human IFN gamma ELISA Kit results of a typical standard run with optical density reading at 450 nm.