

ARG80116 Human IFN gamma (High sensitive) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80116-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80116-002	Standard (Lyophilized)	3 X 1.6 ng/vial	4°C
ARG80116-003	Standard diluent buffer	20 ml	4°C
ARG80116-004	Antibody conjugate concentrate	400 µl	4°C
ARG80116-005	Antibody diluent buffer	16 ml	4°C
ARG80116-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80116-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80116-008	20X Wash buffer	50 ml	4°C
ARG80116-009	TMB substrate	12ml	4°C (Protect from light)
ARG80116-010	STOP solution	12ml	4°C
ARG80116-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80116 Human IFN gamma (High sensitive) 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	0.95 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	3.9 - 250pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

Application Instructions

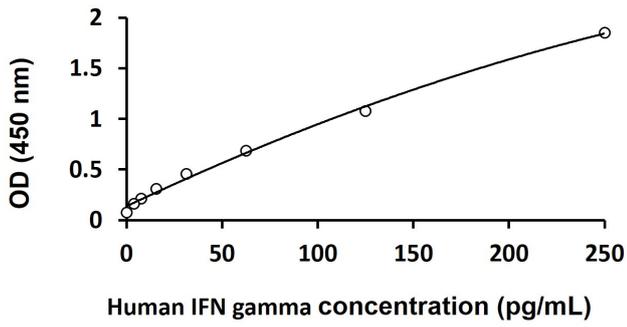
Assay Time	4 hours
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Properties

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]
Highlight	Related products: IFN gamma antibodies ; IFN gamma ELISA Kits ; IFN gamma Duos / Panels ; IFN gamma recombinant proteins ; Related news: HMGB1 in inflammation Inflammatory Cytokines New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Developmental Biology kit; Immune System kit; Signaling Transduction kit
PTM	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.



ARG80116 Human IFN gamma (High sensitive) ELISA Kit standard curve image

ARG80116 Human IFN gamma (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.
