

Human IFN Gamma ELISA Kit

Catalog Number	LDG00023E
Package	96 T (8 x 12 strips) / Customized package

For full product information, images and publications, please visit [our website](#).



Overview

Components

Interferon-gamma (IFN-gamma) ELISA plate	96 wells (12 x 8-well strips)
Standard	2 vials (Lyophilized form)
Standard reconstitution buffer	1 vial (1.1 mL)
Standard & Sample diluent buffer	2 vials (12 mL)
HRP-antibody conjugate	1 vial (70 µL)
HRP-antibody conjugated diluent buffer	1 vial (12 mL)
20 X wash buffer	1 vial (15 mL)
TMB	1 vial (12 mL)
Stop solution	1 vial (6 mL)
Microplate sealing film	2 sheets

Specifications

Reactivity

Human

Application

Sandwich ELISA analysis

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Sensitivity

0.00606 ng/mL

Specificity

Human IFN Gamma

Assay Range

0.015625 ng/mL-1 ng/mL

Sample Type

Human Serum / Human Plasma

Recovery

Human Serum: 90-109%

Human Plasma: 8X dilution: 83%

Background**Background**

The cytokine IFN gamma could protect cells from viral infections and belongs to the family of interferons. A lot of studies have shown that IFN gamma secreted by antigen triggered cell types, including T cells, naive CD4+ T cells, macrophages, dendritic cells, and B cells. IFN gamma plays an important role to trigger the macrophage act against a diverse group of microbial targets, and the pleiotropic molecule associated with antiproliferative, pro-apoptotic and antitumor mechanisms. Based on the effector cytokine considered as a major effector of immunity, it has been used in the treatment of several diseases.

Instruction**Tainan Headquarter**

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Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at 2-8°C for long term storage.

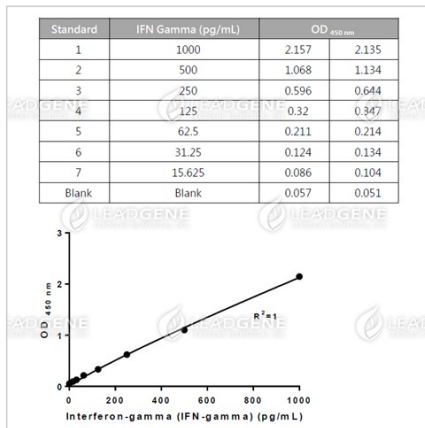
Stability & Storage

This product is stable after storage at:

- 2-8°C for unopened product.

Please refer to product manual for storage constructions.

Image



	1	2	3	4
A	Standard 1 (1000 pg/mL)	Standard 1 (1000 pg/mL)	Sample 1	Sample 5
B	Standard 2 (500 pg/mL)	Standard 2 (500 pg/mL)	Sample 1	Sample 5
C	Standard 3 (250 pg/mL)	Standard 3 (250 pg/mL)	Sample 2	Sample 6
D	Standard 4 (125 pg/mL)	Standard 4 (125 pg/mL)	Sample 2	Sample 6
E	Standard 5 (62.5 pg/mL)	Standard 5 (62.5 pg/mL)	Sample 3	Sample 7
F	Standard 6 (31.25 pg/mL)	Standard 6 (31.25 pg/mL)	Sample 3	Sample 7
G	Standard 7 (15.625 pg/mL)	Standard 7 (15.625 pg/mL)	Sample 4	Sample 8
H	Blank	Blank	Sample 4	Sample 8

Reagents (Store at 2-8°C)	Quantity 1x96 well kit	Reconstitution
Interferon-gamma (IFN-gamma) ELISA plate Stripwell microplate with 96 anti-interferon-gamma (IFN-gamma) monoclonal antibodies coated wells	96 wells (12 x 8-well strips)	Ready for use
Standard Interferon-gamma (IFN-gamma) lyophilized from buffered protein solution with preservatives	2 vials (lyophilized form)	Refer to the vial label for reconstitution volume. Reconstitute by adding Standard reconstitution buffer to be a stock solution of 5 ng/mL. (see procedure, section 8.4.2)
Standard reconstitution buffer buffered protein solution with preservatives	1 vial (1.1 mL)	Ready for use
Standard & Sample diluent buffer buffered protein solution with preservatives	2 vials (12 mL)	Ready for use
HRP-antibody conjugate conjugated Anti-interferon-gamma monoclonal antibody in buffered protein solution with preservatives	1 vial (70 µL)	Dilute 200 x with HRP-antibody conjugated diluent buffer (see reagent preparation, section 5.A)
HRP-antibody conjugated diluent buffer buffered solution with preservatives	1 vial (12 mL)	Ready for use
20 x wash buffer 20-fold concentrated solution of buffered surfactant with preservatives	1 vial (15 mL)	Dilute 20 x with distilled water (see reagent preparation, section 5.B)
TMB Chromogenic substrate (tetramethylbenzidine) for HRP	1 vial (12 mL)	Ready for use
Stop solution H ₂ SO ₄ solution	1 vial (6 mL)	Ready for use
Microplate sealing film	2 sheets	N/A

Typical data

The following data are for demonstration only.

An example of orientation of standards, blanks and samples in the stripwells microplate

Reagents provided and reconstitution

Disclaimer : For Research Use Only. Not for use in diagnostic or therapeutic procedures.