

ARG82811 Guinea Pig IFN gamma ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82811 Guinea Pig IFN gamma ELISA Kit is an Enzyme Immunoassay kit for the quantification of Guinea Pig IFN gamma in serum, plasma and cell culture supernatants.
Tested Reactivity	Gpig
Tested Application	ELISA
Specificity	Cross-Reactivity: Not react with BMP1, BMP2, BMP4, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL15, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3 and TNF alpha.
Target Name	IFN gamma
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	6.3 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	12.5 - 800 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 7.0% Inter-Assay CV: 9.0%
Alternate Names	IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

Application Instructions

Assay Time	~ 3 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.

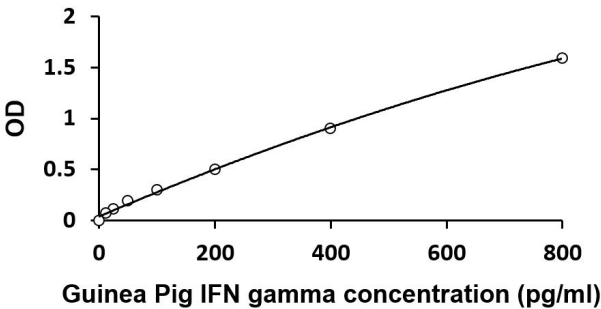
Bioinformation

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 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, Dec 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]
PTM	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG82811 Guinea Pig IFN gamma ELISA Kit standard curve image

ARG82811 Guinea Pig IFN gamma ELISA Kit results of a typical standard run with optical density reading at 450 nm.