

ARG80097 Porcine IFN gamma ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80097 Porcine IFN gamma ELISA Kit is an Enzyme Immunoassay kit for the quantification of Porcine IFN gamma in serum, plasma and cell culture supernatants.
Tested Reactivity	Pig
Tested Application	ELISA
Specificity	Cross Reactivity: Not reacts with Human, Mouse, Rat and Bovine IFN gamma.
Target Name	IFN gamma
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.25 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 9% Inter-Assay CV: less than 9%
Alternate Names	IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

Application Instructions

Assay Time ~ 3.5 hours

Properties

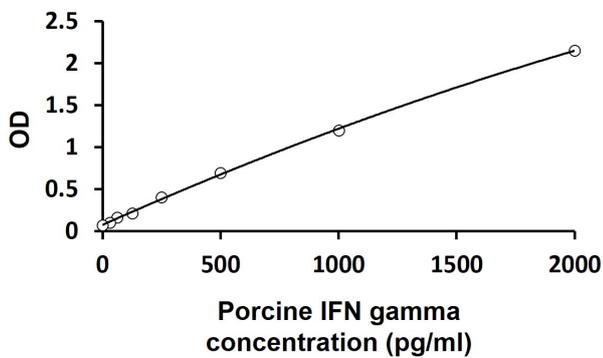
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory 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]
Highlight	<p>Related products: IFN gamma antibodies; IFN gamma ELISA Kits; IFN gamma Duos / Panels; IFN gamma recombinant proteins;</p> <p>Related news: HMGB1 in inflammation Inflammatory Cytokines</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
PTM	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161. [UniProt]

Images



ARG80097 Porcine IFN gamma ELISA Kit standard curve image

ARG80097 Porcine IFN gamma ELISA Kit results of a typical standard run with optical density reading at 450 nm.