



Chicken Interferon γ , IFN- γ ELISA Kit

Product Code	CSB-E08550Ch
Abbreviation	IFNG
Protein Biological Process 1	Immunity
Target Name	interferon, gamma
Uniprot No.	P49708
Alias	IFG, IFI, IFN-gamma?interferon gamma
Product Type	ELISA Kit
Immunogen Species	Gallus gallus (Chicken)
Protein Biological Process 3	Antiviral defense
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.125 pg/mL-800 pg/mL
Sensitivity	3.125 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	IFNG
Tag Info	quantitative
Protein Description	Competitive
Description	<p>This Chicken IFNG ELISA Kit was designed for the quantitative measurement of Chicken IFNG protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 3.125 pg/mL-800 pg/mL and the sensitivity is 3.125 pg/mL.</p>
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of chicken IFN- γ in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	96
	Range %	91-100
1:2	Average %	92
	Range %	88-97
1:4	Average %	102
	Range %	98-106
1:8	Average %	94
	Range %	90-98

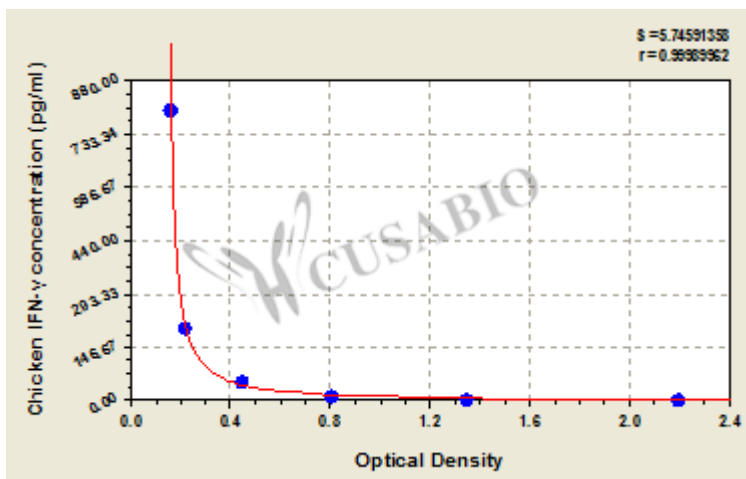
Recovery

The recovery of chicken IFN- γ spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

	Sample Type	Average % Recovery	Range
Serum (n=5)	97	93-101	
EDTA plasma (n=4)	92	88-96	

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average
800	0.178	0.182	0.180
200	0.245	0.233	0.239
50	0.457	0.482	0.470
12.5	0.848	0.817	0.833
3.125	1.396	1.364	1.380
0	2.237	2.242	2.240