



Pig Interleukin 12,IL-12/P70 ELISA Kit

Product Code	CSB-E13288p
Abbreviation	IL12/P70
Target Name	Interleukin 12,IL-12/P70
Uniprot No.	Q29053
Alias	CLMF, IL-12A, NFSK, NKSF1, P35, IL-12, subunit p35 NF cell stimulatory factor chain 1 cytotoxic lymphocyte maturation factor 1, p35 interleukin 12, p35 interleukin 12A interleukin-12 alpha chain nat
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.45 ng/mL-30 ng/mL
Sensitivity	0.11 ng/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	IL12A
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig IL12/P70 ELISA Kit was designed for the quantitative measurement of Pig IL12/P70 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.45 ng/mL-30 ng/mL and the sensitivity is 0.11 ng/mL .
Target Details	This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8%



Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of pig IL-12/P70 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 %	92
	Range %	88-96
1:2	Average %	96
	Range %	91-101
1:4	Average %	84
	Range %	80-89
1:8	Average %	93
	Range %	88-97

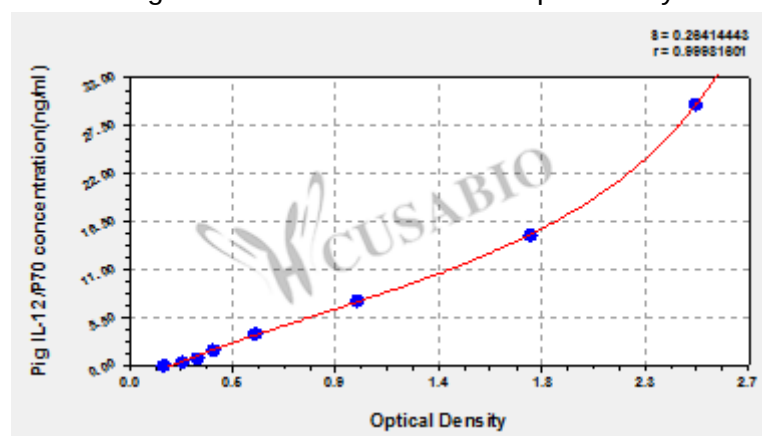
Recovery

The recovery of pig IL-12/P70 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)	90	86-95
EDTA plasma (n=4)	94	90-98

Typical

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



ng/ml	OD1	OD2	Average	Corrected
30	2.549	2.452	2.501	2.331
15	1.789	1.761	1.775	1.605
7.5	1.025	1.004	1.015	0.845
3.75	0.591	0.549	0.570	0.400
1.8	0.402	0.374	0.388	0.218
0.9	0.321	0.309	0.315	0.145
0.45	0.258	0.245	0.252	0.082
0	0.173	0.167	0.170	?

Msds

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