Pig interleukin 8,IL-8 ELISA Kit

Product Code	CSB-E06787p
Protein Biological Process 2	chemokine
Abbreviation	CXCL8
Protein Biological Process 1	Immunity
Target Name	interleukin 8
Uniprot No.	P26894
Alias	CXCL8, GCP-1, GCP1, LECT, LUCT, LYNAP, MDNCF, MONAP, NAF, NAP-1, NAP1, T cell chemotactic factor|beta-thromboglobulin-like protein|chemokine (C-X-C motif) ligand 8|emoctakin|granulocyte chemotactic
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Protein Biological Process 3	Chemotaxis
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	CXCL8
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig IL8 ELISA Kit was designed for the quantitative measurement of Pig IL8 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL .
Target Details	This protein is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a

potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q.

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-8 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 %	95
	Range %	91-99
1:2	Average %	90
	Range %	86-94
1:4	Average %	88
	Range %	84-93
1:8	Average %	92
	Range %	88-97

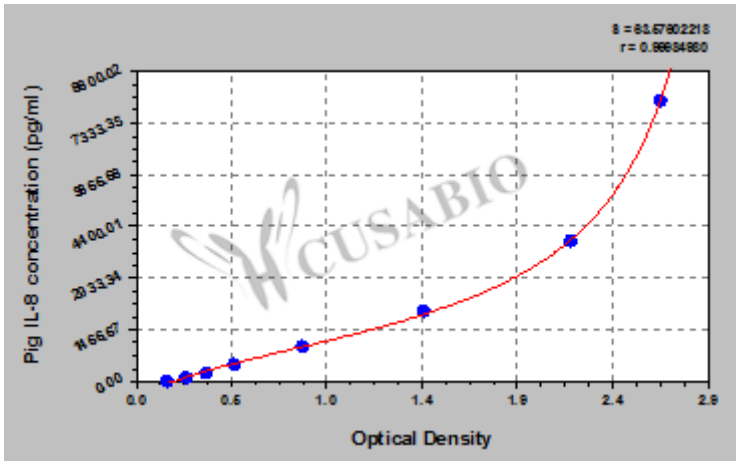
Recovery

The recovery of pig IL-8 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)	99	95-104
EDTA plasma (n=4)	85	81-90

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	Corrected
8000	2.662	2.601	2.632	2.460
4000	2.215	2.161	2.188	2.016
2000	1.498	1.404	1.451	1.279
1000	0.871	0.819	0.845	0.673
500	0.510	0.507	0.509	0.337
250	0.380	0.359	0.370	0.198
125	0.271	0.261	0.266	0.094
0	0.174	0.170	0.172	?

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