



Pig Interleukin 1 receptor antagonist, IL-1ra ELISA kit

Product Code	CSB-E04946p
Abbreviation	IL1RN
Target Name	interleukin 1 receptor antagonist
Uniprot No.	Q29056
Alias	DIRA, ICIL-1RA, IL-1ra3, IL1F3, IL1RA, IRAP, MGC10430, MVCD4, IL1RN (IL1F3) OTTHUMP00000203730 intracellular IL-1 receptor antagonist type II intracellular interleukin-1 receptor antagonist (icIL-1r
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 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	Others
Gene Names	IL1RN
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig IL1RN ELISA Kit was designed for the quantitative measurement of Pig IL1RN protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL.
Target Details	This protein is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.



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-1ra 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 %	106
	Range %	93-110
1:2	Average %	101
	Range %	91-105
1:4	Average %	97
	Range %	87-101
1:8	Average %	91
	Range %	84-95

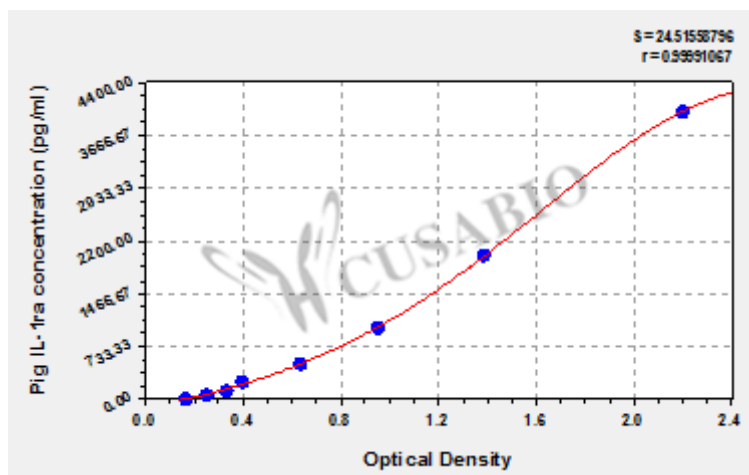
Recovery

The recovery of pig IL-1ra 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)	92	85-96
EDTA plasma (n=4)	108	98-112

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
4000	2.243	2.187	2.215	2.032
2000	1.441	1.366	1.404	1.221
1000	0.986	0.954	0.970	0.787
500	0.658	0.647	0.653	0.470
250	0.422	0.402	0.412	0.229
125	0.352	0.343	0.348	0.165
62.5	0.277	0.263	0.270	0.087
0	0.186	0.180	0.183	?

Msds

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