



Pig collagen type I (COLI) ELISA kit

Product Code	CSB-EQ027853PI
Abbreviation	COLI
Target Name	collagen type I (COLI)
Alias	collagen type 1 (COL1),_x000D_ collagen type I (COLI)
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 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	Cancer
Tag Info	quantitative
Protein Description	Sandwich

Description

This Pig COLI ELISA Kit was designed for the quantitative measurement of Pig COLI protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.

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 COL? 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 %	88
	Range %	86-91
1:2	Average %	89
	Range %	81-95



1:4	Average %	98
	Range %	93-104
1:8	Average %	102
	Range %	98-106

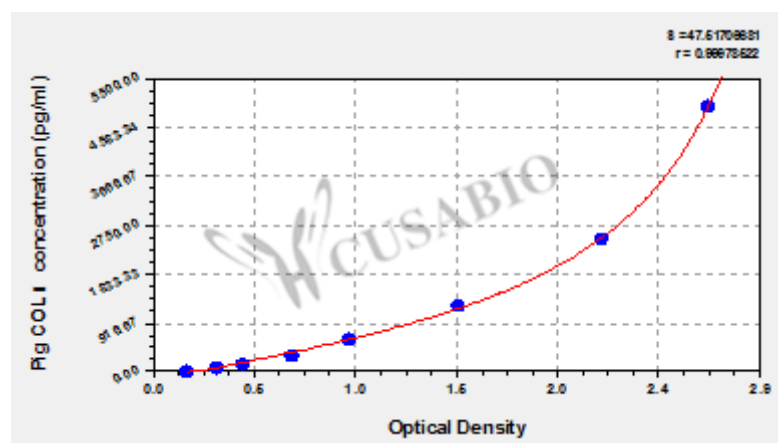
Recovery

The recovery of pig COL? 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)	104	94-109
EDTA plasma (n=4)	92	88-98

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
5000	2.621	2.731	2.676	2.501
2500	2.155	2.177	2.166	1.991
1250	1.503	1.455	1.479	1.304
625	0.983	0.930	0.957	0.782
312	0.672	0.696	0.684	0.509
156	0.451	0.444	0.448	0.273
78	0.315	0.329	0.322	0.147
0	0.174	0.176	0.175	?

Msds

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