Dog circulating immune complex (CIC) ELISA kit

Product Code	CSB-EQ027971DO
Abbreviation	CIC
Target Name	circulating immune complex (CIC)
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Sample Types	serum, plasma, tissue homogenates
Detection Range	2.34 ng/mL-1200 ng/mL
Sensitivity	2.34 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	Others
Tag Info	quantitative
Protein Description	Competitive
Description	This Dog CIC ELISA Kit was designed for the quantitative measurement of Dog CIC protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 2.34 ng/mL-1200 ng/mL and the sensitivity is 2.34 ng/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 dog CIC 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)
1:100	Average %	92
	Range %	85-100
1:200	Average %	89
	Range %	83-99
1:400	Average %	97
	Range %	90-112

	1:800	Average %	93
		Range %	89-98

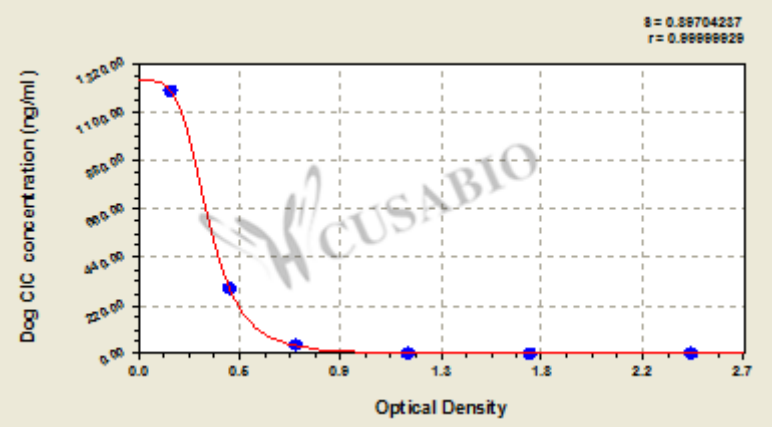
Recovery

The recovery of dog CIC 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)	95	82-101
EDTA plasma (n=4)	95	90-100

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
1200	0.148	0.152	0.150
300	0.420	0.396	0.408
37.5	0.702	0.693	0.698
4.68	1.233	1.144	1.189
2.34	1.702	1.744	1.723
0	2.406	2.455	2.431