



Dog angiotensin 1-7 (Ang1-7) ELISA kit

Product Code	CSB-EQ027505DO
Abbreviation	Ang1-7
Target Name	angiotensin 1-7 (Ang1-7)
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Sample Types	serum, plasma, tissue homogenates, cell culture supernates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 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	Cardiovascular
Tag Info	quantitative
Protein Description	Sandwich

Description

This Dog Ang1-7 ELISA Kit was designed for the quantitative measurement of Dog Ang1-7 protein in serum, plasma, tissue homogenates, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 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 dog Ang1-7 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 %	87
	Range %	83-92
1:2	Average %	100
	Range %	97-103



1:4	Average %	86
	Range %	83-89
1:8	Average %	98
	Range %	94-102

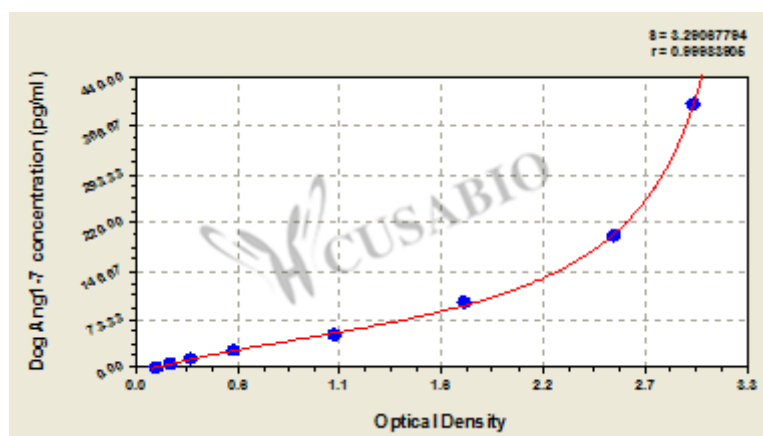
Recovery

The recovery of dog Ang1-7 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)	85	81-89
EDTA plasma (n=4)	91	85-94

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
400	3.061	2.900	2.981	2.871
200	2.541	2.568	2.555	2.445
100	1.751	1.768	1.760	1.650
50	1.027	1.100	1.064	0.954
25	0.505	0.549	0.527	0.417
12.5	0.301	0.294	0.298	0.188
6.25	0.198	0.189	0.194	0.084
0	0.112	0.108	0.110	?

Msds

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