



Canine connective tissue growth factor,CTGF ELISA Kit

Product Code	CSB-E13386c									
Abbreviation	CTGF									
Target Name	connective tissue growth factor,CTGF									
Uniprot No.	J9NTX8									
Product Type	ELISA Kit									
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)									
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	Cardiovascular									
Tag Info	quantitative									
Protein Description	Sandwich									
Description	This Dog CTGF ELISA Kit was designed for the quantitative measurement of Dog CTGF 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.									
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 canine CTGF in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td></td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>91</td></tr><tr><td>Range %</td><td>86-96</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	91	Range %	86-96
	Sample	Serum(n=4)								
1:1	Average %	91								
	Range %	86-96								



1:2	Average %	97
	Range %	93-101
1:4	Average %	85
	Range %	81-89
1:8	Average %	92
	Range %	85-97

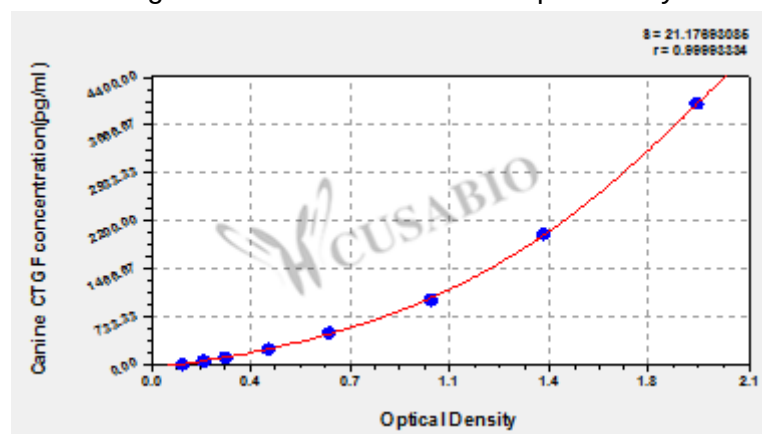
Recovery

The recovery of canine CTGF 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)	91	87-95
EDTA plasma (n=4)	108	103-111

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	2.003	1.910	1.957	1.832
2000	1.454	1.365	1.410	1.285
1000	0.991	1.024	1.008	0.883
500	0.636	0.652	0.644	0.519
250	0.444	0.420	0.432	0.307
125	0.280	0.275	0.278	0.153
62.5	0.195	0.202	0.199	0.074
0	0.130	0.120	0.125	

Msds

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