



Canine calprotectin (CALP) ELISA kit

Product Code	CSB-EQ013485DO														
Abbreviation	CALP														
Target Name	Calprotectin														
Product Type	ELISA Kit														
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)														
Sample Types	serum, plasma, tissue homogenates, cell lysates														
Detection Range	6.25 ng/mL-400 ng/mL														
Sensitivity	1.56 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	Sandwich														
Description	This Dog CALP ELISA Kit was designed for the quantitative measurement of Dog CALP protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 6.25 ng/mL-400 ng/mL and the sensitivity is 1.56 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 canine CALP 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>86</td></tr><tr><td>Range %</td><td>81-92</td></tr><tr><td rowspan="2">1:2</td><td>Average %</td><td>102</td></tr><tr><td>Range %</td><td>97-107</td></tr></table>		?	Sample	Serum(n=4)	1:1	Average %	86	Range %	81-92	1:2	Average %	102	Range %	97-107
?	Sample	Serum(n=4)													
1:1	Average %	86													
	Range %	81-92													
1:2	Average %	102													
	Range %	97-107													



1:4	Average %	96
	Range %	85-99
1:8	Average %	103
	Range %	96-107

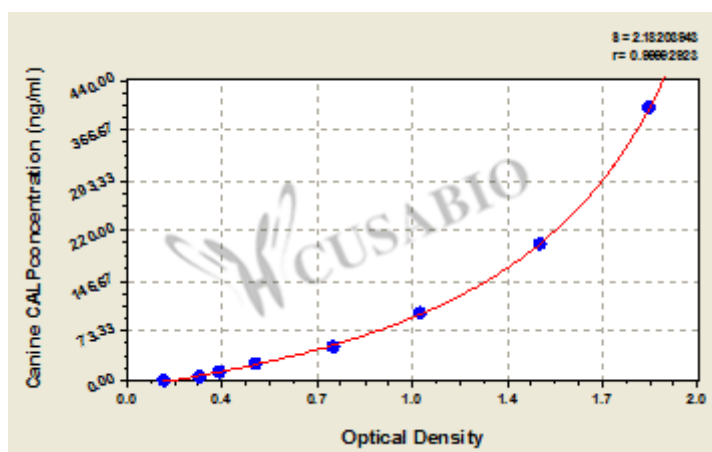
Recovery

The recovery of canine CALP 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)	94	89-98
EDTA plasma (n=4)	102	97-106

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	Corrected
400	1.816	1.921	1.869	1.723
200	1.448	1.512	1.480	1.334
100	1.030	1.078	1.054	0.908
50	0.758	0.733	0.746	0.600
25	0.476	0.466	0.471	0.325
12.5	0.348	0.332	0.340	0.194
6.25	0.275	0.268	0.272	0.126
0	0.145	0.146	0.146	?

Msds

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