



Dog Osteocalcin/bone gla protein,OT/BGP ELISA Kit

Product Code	CSB-E13345c
Abbreviation	BGLAP
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	bone gamma-carboxyglutamate (gla) protein
Uniprot No.	P81455
Alias	RP11-54H19.5, BGP, OC, PMF1, bone Gla protein bone gamma-carboxyglutamate (gla) protein (osteocalcin) gamma-carboxyglutamic acid-containing protein osteocalcin
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Protein Biological Process 3	Biomineralization
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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	Metabolism
Gene Names	BGLAP
Tag Info	quantitative
Protein Description	Sandwich
Description	This Dog BGLAP ELISA Kit was designed for the quantitative measurement of Dog BGLAP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 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 OT/BGP 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 %	96
	Range %	87-102
1:2	Average %	92
	Range %	89-98
1:4	Average %	89
	Range %	84-96
1:8	Average %	90
	Range %	86-99

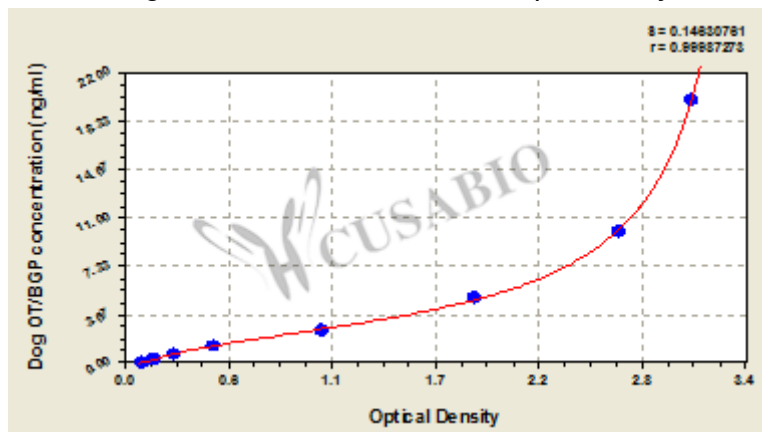
Recovery

The recovery of dog OT/BGP 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)	89	84-96
EDTA plasma (n=4)	102	95-109

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
20	3.105	3.004	3.055	2.953
10	2.654	2.674	2.664	2.562
5	1.878	1.889	1.884	1.782
2.5	1.036	1.105	1.071	0.969
1.25	0.468	0.500	0.484	0.382
0.625	0.261	0.273	0.267	0.165
0.312	0.158	0.164	0.161	0.059
0	0.103	0.100	0.102	?

Msds

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