



Dog β 2-microglobulin, BMG/ β 2-MG ELISA Kit

Product Code	CSB-E13768c
Abbreviation	B2M
Protein Biological Process 1	Immunity
Target Name	beta-2-microglobulin
Uniprot No.	P19341
Alias	beta chain of MHC class I molecules beta-2-microglobin β 2-microglobulin, BMG/ β 2-MG
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Protein Biological Process 3	Immunity
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.78 μ g/mL-50 μ g/mL
Sensitivity	0.2 μ g/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	Immunology
Gene Names	B2M
Tag Info	quantitative
Protein Description	Sandwich
Description	This Dog B2M ELISA Kit was designed for the quantitative measurement of Dog B2M protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 μ g/mL-50 μ g/mL and the sensitivity is 0.2 μ g/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 β 2-MG 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 %	90
	Range %	83-99
1:2	Average %	92
	Range %	85-100
1:4	Average %	95
	Range %	85-105
1:8	Average %	95
	Range %	88-102

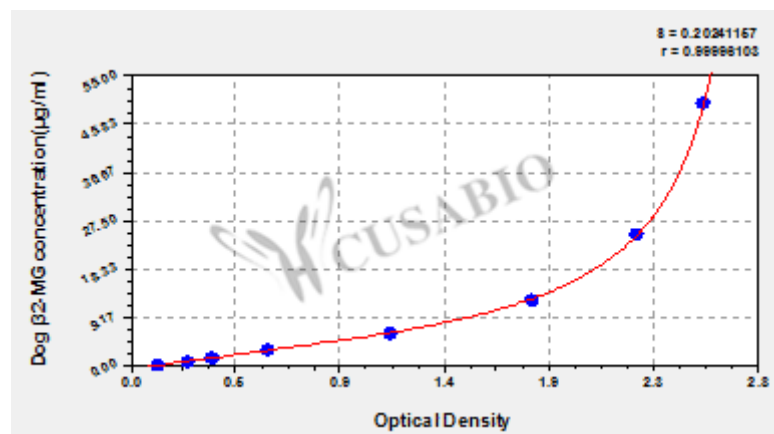
Recovery

The recovery of dog β 2-MG 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	86-99
EDTA plasma (n=4)	95	91-100

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



μ g/ml	OD1	OD2	Average	Corrected
50	2.554	2.569	2.562	2.430
25	2.272	2.256	2.264	2.132
12.5	1.792	1.803	1.798	1.666
6.25	1.153	1.180	1.167	1.035
3.13	0.625	0.616	0.621	0.489
1.56	0.363	0.379	0.371	0.239
0.78	0.261	0.264	0.263	0.131
0	0.135	0.129	0.132	?

Msds

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