



Dog thrombomodulin, TM ELISA Kit

Product Code	CSB-E06529c
Abbreviation	THBD
Protein Biological Process 1	Blood Coagulation
Target Name	thrombomodulin
Uniprot No.	Q5W7P8
Alias	AHUS6, CD141, THRM, TM, CD141 antigen fetomodulin
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Protein Biological Process 3	Blood coagulation
Sample Types	serum, plasma, tissue homogenates
Detection Range	23.44 pg/mL-1500 pg/mL
Sensitivity	5.86 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
Gene Names	THBD
Tag Info	quantitative
Protein Description	Competitive
Description	This Dog THBD ELISA Kit was designed for the quantitative measurement of Dog THBD protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 23.44 pg/mL-1500 pg/mL and the sensitivity is 5.86 pg/mL.
Target Details	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia.
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 TM 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)
1:10	Average %	97
	Range %	91-103
1:20	Average %	94
	Range %	91-98
1:40	Average %	90
	Range %	88-94
1:80	Average %	93
	Range %	89-97

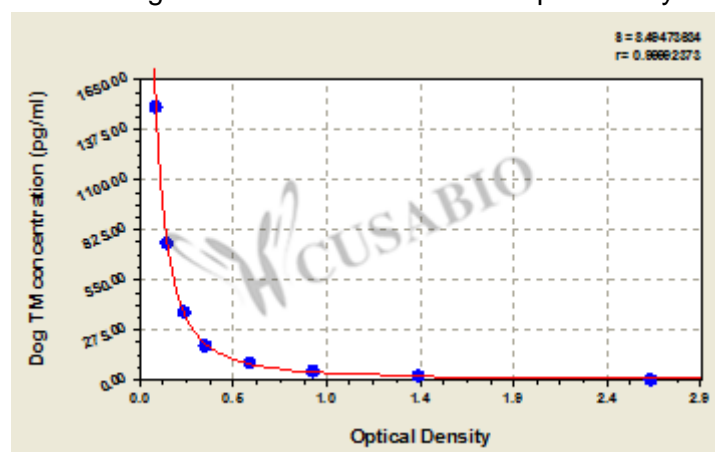
Recovery

The recovery of dog TM 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	83-94
EDTA plasma (n=4)	93	87-98

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
1500	0.087	0.086	0.087
750	0.148	0.142	0.145
375	0.234	0.229	0.232
187.5	0.347	0.338	0.343
93.75	0.562	0.576	0.569
46.88	0.865	0.921	0.893
23.44	1.464	1.392	1.428
0	2.677	2.568	2.623