Bovine Plasminogen(PLG) ELISA kit

Product Code	CSB-EL018188BO
Abbreviation	PLG
Protein Biological Process 1	Blood Coagulation
Uniprot No.	P06868
Product Type	ELISA Kit
Immunogen Species	Bos taurus (Bovine)
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 ng/mL-4000 ng/mL
Sensitivity	15.6 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	Cardiovascular
Gene Names	PLG
Tag Info	quantitative
Protein Description	Competitive
Description	
	This Bovine PLG ELISA Kit was designed for the quantitative measurement of Bovine PLG protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 62.5 ng/mL-4000 ng/mL and the sensitivity is 15.6 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 bovine PLG 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)

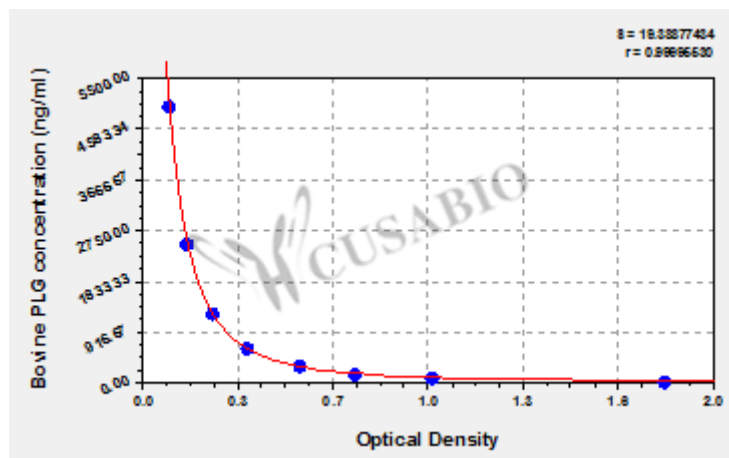| 1:100 | Average % | 97 |
	Range %	93-102
1:200	Average %	85
	Range %	81-90
1:400	Average %	102
	Range %	97-106
1:800	Average %	91
	Range %	86-95

Recovery

The recovery of bovine PLG 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)	93	87-96
EDTA plasma (n=4)	105	98-109

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
5000	0.102	0.099	0.101
2500	0.167	0.160	0.164
1250	0.254	0.241	0.248
625	0.372	0.365	0.369
312.5	0.558	0.544	0.551
156.2	0.766	0.713	0.740
78	1.024	0.984	1.004
0	1.834	1.765	1.800