Bovine beta-lactoglobulin (Beta-LG) (allergen Bos d 5) (LGB)ELISA kit

Product Code	CSB-EL027168BO
Abbreviation	LGB
Protein Biological Process 1	Metabolism
Target Name	beta-lactoglobulin (Beta-LG) (allergen Bos d 5) (LGB)ELISA kit
Uniprot No.	P02754
Product Type	ELISA Kit
Immunogen Species	Bos taurus (Bovine)
Sample Types	serum, plasma, milk
Detection Range	0.156 μg/mL-10 μg/mL
Sensitivity	0.129 μg/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	LGB
Tag Info	quantitative
Protein Description	Competitive
Description	This Bovine LGB ELISA Kit was designed for the quantitative measurement of Bovine LGB protein in serum, plasma, milk. It is a Competitive ELISA kit, its detection range is 0.156 μg/mL-10 μg/mL and the sensitivity is 0.129 μg/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 LGB 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 %	95
	Range %	87-101
1:2	Average %	92
	Range %	90-95
1:4	Average %	89
	Range %	85-93
1:8	Average %	95
	Range %	90-98

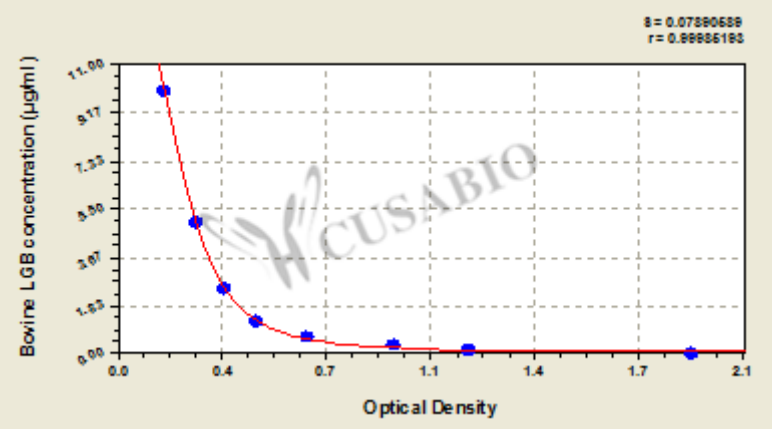
Recovery

The recovery of bovine LGB 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)	96	93-99
EDTA plasma (n=4)	94	89-100

Typical

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



µg/ml	OD1	OD2	Average
10	0.173	0.168	0.171
5	0.279	0.273	0.276
2.5	0.376	0.358	0.367
1.25	0.482	0.472	0.477
0.625	0.631	0.653	0.642
0.313	0.948	0.914	0.931
0.156	1.166	1.193	1.180
0	1.884	1.952	1.918