Goat vitamin B12 (VB12) ELISA kit

Product Code	CSB-EQ028114GO
Abbreviation	VB12
Target Name	vitamin B12 (VB12)
Product Type	ELISA Kit
Immunogen Species	Capra hircus (Goat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.56 pg/mL-100 pg/mL
Sensitivity	0.39 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	Metabolism
Tag Info	quantitative
Protein Description	Competitive

Description

This Goat VB12 ELISA Kit was designed for the quantitative measurement of Goat VB12 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 pg/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 goat VB12 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 %	85
	Range %	80-92
1:20	Average %	97
	Range %	90-105

1:40	Average %	97
	Range %	92-104
1:80	Average %	92
	Range %	86-98

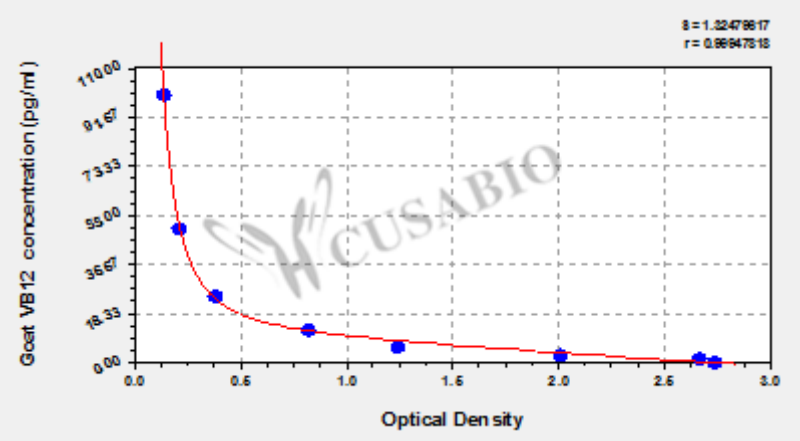
Recovery

The recovery of goat VB12 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	89-100
EDTA plasma (n=4)	97	90-100

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	?
100	0.145	0.148	0.147	?
50	0.221	0.227	0.224	?
25	0.396	0.394	0.395	?
12.5	0.837	0.815	0.826	?
6.25	1.252	1.243	1.248	?
3.12	2.018	2.002	2.010	?
1.56	2.679	2.641	2.660	?
0	2.754	2.716	2.735	?