



Sheep adrenocorticotrophic hormone (ACTH) ELISA kit

Product Code	CSB-EQ027618SH														
Abbreviation	ACTH														
Target Name	adrencocorticotropic hormone (ACTH)														
Product Type	ELISA Kit														
Immunogen Species	Ovis aries (Sheep)														
Sample Types	serum, plasma														
Detection Range	0.097 pg/mL-400 pg/mL														
Sensitivity	0.097 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														
Gene Names	POMC														
Tag Info	quantitative														
Protein Description	Competitive														
Description	This Sheep ACTH ELISA Kit was designed for the quantitative measurement of Sheep ACTH protein in serum, plasma. It is a Competitive ELISA kit, its detection range is 0.097 pg/mL-400 pg/mL and the sensitivity is 0.097 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 sheep ACTH in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>85</td></tr><tr><td>Range %</td><td>82-89</td></tr><tr><td rowspan="2">1:2</td><td>Average %</td><td>91</td></tr><tr><td>Range %</td><td>88-95</td></tr></table>		?	Sample	Serum(n=4)	1:1	Average %	85	Range %	82-89	1:2	Average %	91	Range %	88-95
?	Sample	Serum(n=4)													
1:1	Average %	85													
	Range %	82-89													
1:2	Average %	91													
	Range %	88-95													



1:4	Average %	87
	Range %	83-95
1:8	Average %	100
	Range %	95-105

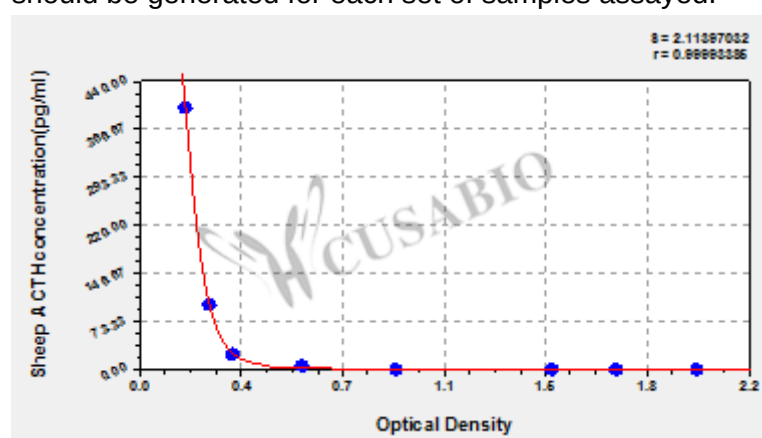
Recovery

The recovery of sheep ACTH 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)	99	94-103
EDTA plasma (n=4)	89	87-92

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
400	0.175	0.177	0.176
100	0.254	0.268	0.261
25	0.335	0.353	0.344
6.25	0.582	0.598	0.590
1.56	0.913	0.934	0.924
0.39	1.461	1.498	1.480
0.097	1.751	1.659	1.705
0	2.031	1.957	1.994