



Bovine adiponectin,ADP ELISA Kit

Product Code	CSB-E14054B
Abbreviation	ADIPOQ
Target Name	adiponectin, C1Q and collagen domain containing
Uniprot No.	Q3Y5Z3
Alias	ACDC, ACRP30, ADIPQTL1, ADPN, APM-1, APM1, GBP28, adiponectin, OTTHUMP00000210047 OTTHUMP00000210048 adipocyte, C1Q and collagen domain containing adipocyte, C1Q and collagen domain-containing adipo
Product Type	ELISA Kit
Immunogen Species	Bos taurus (Bovine)
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.125 µg/mL-50 µg/mL
Sensitivity	3.125 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	ADIPOQ
Tag Info	quantitative
Protein Description	Competitive
Description	This Bovine ADIPOQ ELISA Kit was designed for the quantitative measurement of Bovine ADIPOQ protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 3.125 µg/mL-50 µg/mL and the sensitivity is 3.125 µg/mL .
Target Details	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<15% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<15% 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 ADP 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)
	Average %	90
1:1	Range %	87-97
	Average %	97
1:2	Range %	93-104
	Average %	85
1:4	Range %	82-91
	Average %	90
1:8	Range %	85-97

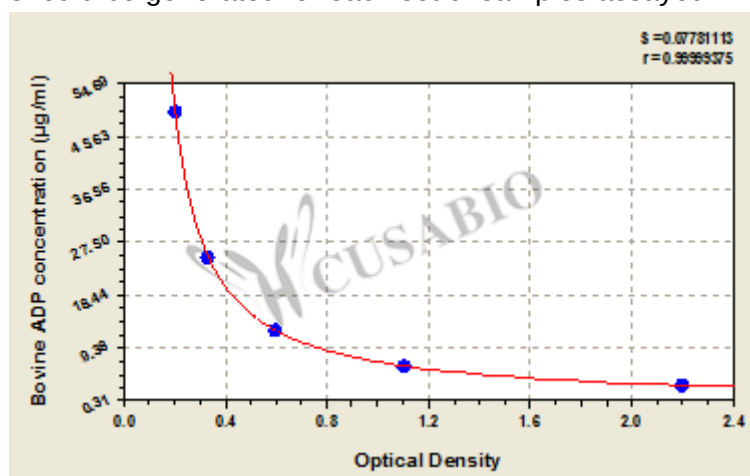
Recovery

The recovery of bovine ADP 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	89-99
EDTA plasma (n=4)	98	94-103

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
50	0.212	0.207	0.210
25	0.345	0.332	0.339
12.5	0.589	0.607	0.598
6.25	1.077	1.106	1.092
3.125	2.214	2.123	2.169