



Hamster adiponectin, C1Q and collagen domain containing (ADIPOQ)ELISA kit

Product Code	CSB-EL001366HA
Abbreviation	ADIPOQ
Protein Biological Process 1	Metabolism
Target Name	adiponectin, C1Q and collagen domain containing (ADIPOQ)
Uniprot No.	C9DFG2
Product Type	ELISA Kit
Immunogen Species	Mesocricetus auratus (Golden hamster)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.469 ng/mL-30 ng/mL
Sensitivity	0.117 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	Metabolism
Tag Info	quantitative
Protein Description	Sandwich
Description	This Hamster ADIPOQ ELISA Kit was designed for the quantitative measurement of Hamster ADIPOQ protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.469 ng/mL-30 ng/mL and the sensitivity is 0.117 ng/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%<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 hamster ADIPOQ 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)
1:1000	Average %	85
	Range %	82-90
1:2000	Average %	93
	Range %	90-96
1:4000	Average %	89
	Range %	84-93
1:8000	Average %	94
	Range %	90-98

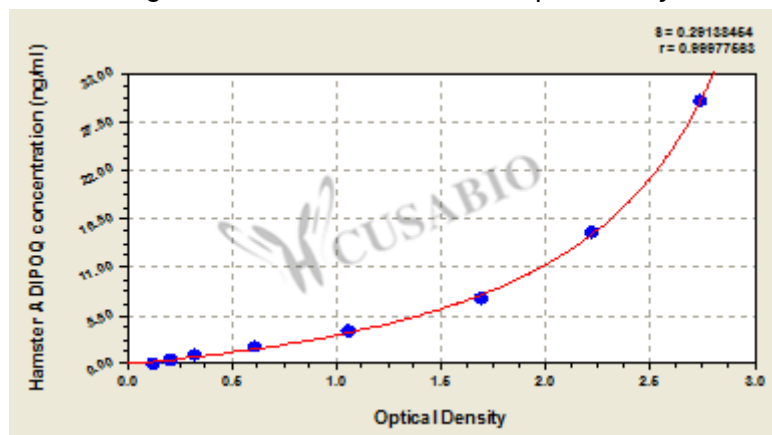
Recovery

The recovery of hamster ADIPOQ 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)	88	84-92
EDTA plasma (n=4)	95	90-100

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	Corrected
30	2.703	2.768	2.736	2.595
15	2.244	2.201	2.223	2.082
7.5	1.688	1.698	1.693	1.552
3.75	1.073	1.054	1.064	0.923
1.875	0.611	0.635	0.623	0.482
0.938	0.321	0.342	0.332	0.191
0.469	0.215	0.230	0.223	0.082
0	0.140	0.142	0.141	

Msds

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