



Rat Apolipoprotein M(APOM) ELISA kit

Product Code	CSB-EL001947RA
Abbreviation	APOM
Protein Biological Process 1	Transport
Target Name	apolipoprotein M
Uniprot No.	P14630
Alias	DADB-127H9.5, G3a, HSPC336, MGC22400, NG20, NG20-like protein alternative name: G3a, NG20
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Lipid transport
Sample Types	serum, plasma, tissue homogenates
Detection Range	1.56 ng/mL-100 ng/mL
Sensitivity	0.39 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	Signal Transduction
Gene Names	Apom
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat APOM ELISA Kit was designed for the quantitative measurement of Rat APOM protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 ng/mL.

Target Details

This protein is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. Two transcript variants encoding two different isoforms have been found for this gene, but only one of them has been fully



characterized.

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 rat APOM 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)
1:200	Average %	96
	Range %	92-100
1:400	Average %	90
	Range %	85-96
1:800	Average %	90
	Range %	88-94
1:1600	Average %	100
	Range %	96-105

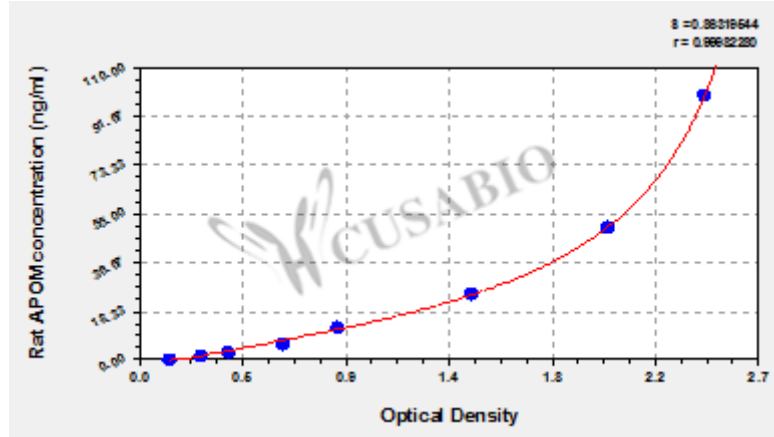
Recovery

The recovery of rat APOM 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)	91	87-94
EDTA plasma (n=4)	95	90-99

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
100	2.454	2.460	2.457	2.319
50	2.045	2.032	2.039	1.901
25	1.411	1.482	1.447	1.309
12.5	0.831	0.901	0.866	0.728
6.25	0.631	0.625	0.628	0.490
3.12	0.379	0.408	0.394	0.256
1.56	0.277	0.272	0.275	0.137
0	0.135	0.140	0.138	?

Msds

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