

Mouse Apolipoprotein C1 (APOC1) ELISA Kit | APOC1 elisa kit

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CATALOG #
AAA189682

REACTIVITY
Mouse

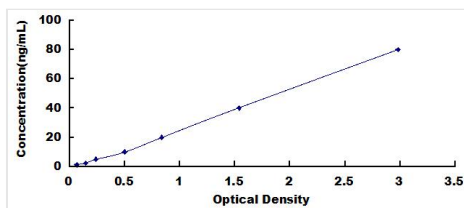
PRODUCT SYNONYMS

Apolipoprotein C1 (APOC1); Mouse Apolipoprotein C1 (APOC1) ELISA Kit; Apo-C1; Truncated apolipoprotein C-I; APOC1/Apolipoprotein C1; APOC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of APOC1. No significant cross-reactivity or interference between APOC1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma and other biological fluids
Detection Range	1.25-80ng/mL
Sensitivity	< 0.59ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APOC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level APOC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOC1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to APOC1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to APOC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain APOC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of APOC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOC1 in mouse serum, plasma and other biological fluids.
Product Categories/Family for APOC1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	158517825
NCBI GeneID	11812
NCBI Accession #	NP_001103479.1
NCBI GenBank Nucleotide #	NM_001110009.1
UniProt Accession #	P34928; Q505B2
Molecular Weight	9,696 Da
NCBI Official Full Name	apolipoprotein C-I
NCBI Official Synonym Full Names	apolipoprotein C-I
NCBI Official Symbol	Apoc1
NCBI Official Synonym Symbols	Apo-CIB; ApoC-IB
NCBI Protein Information	apolipoprotein C-I; apo-CI; apoC-I; apolipoprotein C1
UniProt Protein Name	Apolipoprotein C-I
UniProt Gene Name	Apoc1
UniProt Synonym Gene Names	Apoc1b; Apo-CIB; ApoC-IB; Apo-CIB'; ApoC-IB'
UniProt Entry Name	APOC1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/apolipoprotein-c1-apoc1/189682>