

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

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CATALOG #
AAA65857

REACTIVITY
Rat

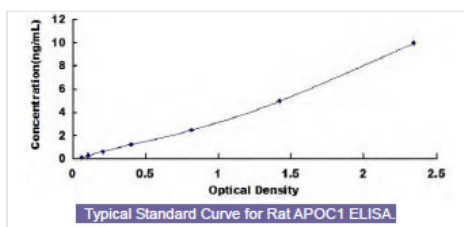
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	88
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.12ng/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOC1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOC1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to APOC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 +/- 10nm. The concentration of APOC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158517799
NCBI GeneID	25292
NCBI Accession #	NP_001103466.1
NCBI GenBank Nucleotide #	NM_001109996.1
UniProt Accession #	P19939; Q53ZD8
Molecular Weight	9,861 Da
NCBI Official Full Name	apolipoprotein C-I
NCBI Official Synonym Full Names	apolipoprotein C1
NCBI Official Symbol	Apoc1
NCBI Official Synonym Symbols	ALPCI; LRRG04; Apo-C1B; ApoC-IB
NCBI Protein Information	apolipoprotein C-I
UniProt Protein Name	Apolipoprotein C-I
UniProt Gene Name	Apoc1
UniProt Synonym Gene Names	Apo-CI; ApoC-I

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.