

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

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CATALOG #
AAA183178

REACTIVITY
Human

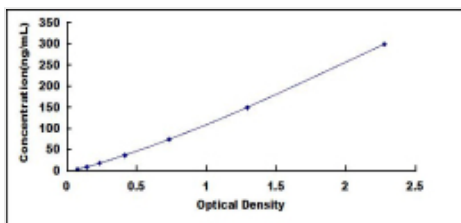
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Apolipoprotein C1 (APOC1). No significant cross-reactivity or interference between Apolipoprotein C1 (APOC1) and analogues was observed.
Sequence Length	83
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	4.69-300ng/mL
Sensitivity	< 2.1ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Apolipoprotein C1 (APOC1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Apolipoprotein C1 (APOC1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Apolipoprotein C1 (APOC1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Apolipoprotein C1 (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 Apolipoprotein C1 (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 Apolipoprotein C1 (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 #	4502157
NCBI GeneID	341
NCBI Accession #	NP_001636.1
NCBI GenBank Nucleotide #	NM_001645.4
UniProt Accession #	P02654; Q6IB97; B2R526
Molecular Weight	9,332 Da
NCBI Official Full Name	apolipoprotein C-I
NCBI Official Synonym Full Names	apolipoprotein C1
NCBI Official Symbol	APOC1
NCBI Official Synonym Symbols	Apo-CI; ApoC-I; apo-CIB; 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.