

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

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CATALOG #
AAA66896

REACTIVITY
Human

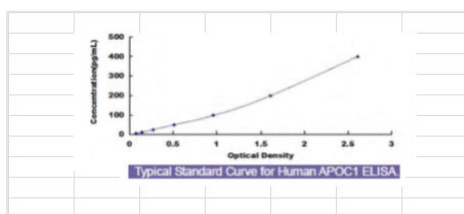
PRODUCT SYNONYMS

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 APOC1. No significant cross-reactivity or interference between APOC1 and analogues was observed.
Sequence Length	83
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	4.687-300ng/mL
Sensitivity	2.2ng/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 human serum, plasma 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 #	1007354804
NCBI GeneID	341
NCBI Accession #	NP_001307994.1
NCBI GenBank Nucleotide #	NM_001321065.1
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.