

Human Apolipoprotein C3 (APOC3) ELISA Kit | APOC3 elisa kit

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CATALOG #
AAA66977

REACTIVITY
Human

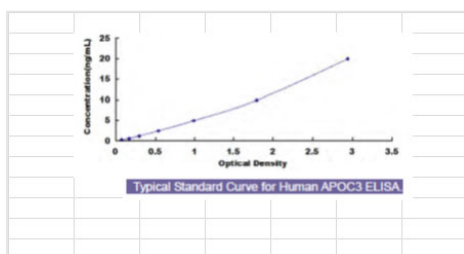
PRODUCT SYNONYMS

Apolipoprotein C3 (APOC3); Human Apolipoprotein C3 (APOC3) ELISA Kit; Apo-C3 APOCIII APOC-III; APOC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APOC3. No significant cross-reactivity or interference between APOC3 and analogues was observed.
Sequence Length	99
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.138ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APOC3 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 APOC3 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 APOC3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOC3 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 APOC3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to APOC3. 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 APOC3, 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 APOC3 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 #	4557323
NCBI GeneID	345
NCBI Accession #	NP_000031.1
NCBI GenBank Nucleotide #	NM_000040.1
UniProt Accession #	P02656; Q08E83; Q6Q786
Molecular Weight	10,852 Da
NCBI Official Full Name	apolipoprotein C-III
NCBI Official Synonym Full Names	apolipoprotein C3
NCBI Official Symbol	APOC3
NCBI Official Synonym Symbols	HALP2; APOCIII
NCBI Protein Information	apolipoprotein C-III
UniProt Protein Name	Apolipoprotein C-III
UniProt Gene Name	APOC3
UniProt Synonym Gene Names	Apo-CIII; ApoC-III

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/human-elisa-kits/apolipoprotein-c3-apoc3/66977>