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Datasheet for ABIN6730889 APOC1 ELISA Kit

5 Images



### Overview

Quantity:	96 tests
Target:	APOC1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	4.7 ng/mL - 300 ng/mL
Minimum Detection Limit:	4.7 ng/mL
Application:	ELISA
Product Details	
Purpose:	The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOC1 in human serum, plasma.
	We offer <b>validation data</b> (WB) <b>for the kit components</b> . So you can be sure to order a reliable ELISA kit product composed of high quality reagents.
Sample Type:	Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of Apolipoprotein C1 (APOC1)
Cross-Reactivity (Details):	No significant cross-reactivity or interference between Apolipoprotein C1 (APOC1) and analogues was observed.

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## Product Details

Sensitivity:	2.1 ng/mL
Components:	Pre-coated, ready to use 96-well strip plate, flat buttom
	Plate sealer for 96 wells
	Reference Standard
	Standard Diluent
	Detection Reagent A
	Detection Reagent B
	Assay Diluent A
	Assay Diluent B
	Reagent Diluent (if Detection Reagent is lyophilized)
	TMB Substrate
	Stop Solution
	• Wash Buffer (30 x concentrate)
	Instruction manual

# Target Details

Target:	APOC1
Alternative Name:	Apolipoprotein C1 (APOC1) (APOC1 Products)
UniProt:	P02654
Pathways:	Apoptosis
Application Details	
Comment:	Information on standard material:
	The standard might be recombinant protein or natural protein, that will depend on the specific
	kit. Moreover, the expression system is E.coli or yeast or mammal cell. There is 0.05% proclin
	300 in the standard as preservative.
	Information on reagents:
	The stop solution used in the kit is sulfuric acid with concentration of 1 mol/L. And the wash
	solution is TBS. The standard diluent contains 0.02 % sodium azide, assay diluent A and assay
	diluent B contain 0.01% sodium azide. Some kits can contain is BSA in them.
	Information on antibodies:
	The provided antibodies and their host vary in different kits.
Sample Volume:	100 μL

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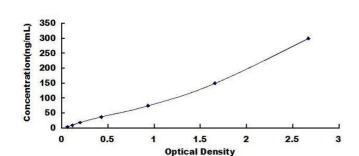
# Application Details

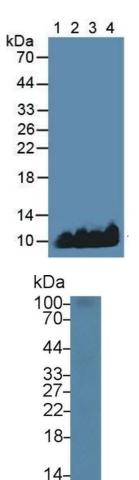
Assay Time:	3 h
Plate:	Pre-coated
Protocol:	<ol> <li>Prepare all reagents, samples and standards,</li> <li>Add 100µL standard or sample to each well. Incubate 1 hours at 37 °C,</li> <li>Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37 °C,</li> <li>Aspirate and wash 3 times,</li> <li>Add 100µL prepared Detection Reagent B. Incubate 30 minutes at 37 °C,</li> <li>Aspirate and wash 5 times,</li> <li>Add 90µL Substrate Solution. Incubate 10-20 minutes at 37 °C,</li> <li>Add 50µL Stop Solution. Read at 450nm immediately.</li> </ol>
Reagent Preparation:	<ol> <li>Bring all kit components and samples to room temperature (18-25 °C) before use.</li> <li>Standard - Reconstitute the Standard with 1.0 mL of Standard Diluent, keep for 10 minutes at room temperature, shake gently (not to foam). The concentration of the standard in the stock solution is 600 ng/mL. Firstly dilute the stock solution to 300 ng/mL and the diluted standard serves as the highest standard (300 ng/mL). Then prepare 7 tubes containing 0.5 mL Standard Diluent and use the diluted standard to produce a double dilution series. Mix each tube thoroughly before the next transfer. Set up 7 points of diluted standard such as 300 ng/mL, 150 ng/mL, 75 ng/mL, 37.5 ng/mL, 18.8 ng/mL, 9.4 ng/mL, 4.7 ng/mL, and the last microcentrifuge tube with Standard Diluent is the blank as 0 ng/mL.</li> <li>Detection Reagent A and Detection Reagent B - Briefly spin or centrifuge the stock Detection A and Detection B before use. Dilute to the working concentration with Assay Diluent A and B respectively (1:100).</li> <li>Wash Solution - Dilute 20 mL of Wash Solution concentrate (30x) with 580 mL of deionized or distilled water to prepare 600 mL of Wash Solution (1x).</li> <li>TMB substrate - Aspirate the needed dosage of the solution with sterilized tips and do not dump the residual solution into the vial again.</li> </ol>
	<ol> <li>Note:</li> <li>Making serial dilution in the wells directly is not permitted.</li> <li>Prepare standard within 15 minutes before assay. Please do not dissolve the reagents at 37 °C directly.</li> <li>Please carefully reconstitute Standards or working Detection Reagent A and B according to the instruction, and avoid foaming and mix gently until the crystals are completely dissolved. To minimize imprecision caused by pipetting, use small volumes and ensure that pipettors are calibrated. It is recommended to suck more than 10µL for once pipetting.</li> <li>The reconstituted Standards, Detection Reagent A and Detection Reagent B can be used only once.</li> <li>If crystals have formed in the Wash Solution concentrate (30x), warm to room temperature and mix gently until the crystals are completely dissolved.</li> <li>Contaminated water or container for reagent preparation will influence the detection result.</li> </ol>

ot in therange of the standard curve, the optimal sample dilution for the particular iment has to be determined.Samples should then be diluted with PBS (pH =7.0-7.2). say Precision (Precision within an assay): 3 samples with low, middle and high level of vere tested 20 times on one plate, respectively. say Precision (Precision between assays): 3 samples with low, middle and high level of vere tested on 3 different plates, 8 replicates in each plate. SD/meanX100 say: CV < 10% say: CV < 12% earch Use only
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ot in therange of the standard curve, the optimal sample dilution for the particular
e estimate the concentration of the samples before performing the test. If the values
bilityof causing a deviation due to the introduced chemical substance.The nmended dilution factor is for reference only.
sis buffer is used to prepare tissue homogenates or cell culture supernatant, there is a
minecompatibility with the kit.
sample type is not specified in the instructions, a preliminary test is necessary to
ples should be slowly thawed and centrifuged toremove precipitates.
fore be stored for a short periodat 2 - 8 °C or aliquoted at -20 °C (≤1 month) or -80 °C (≤ nths). Repeated freeze-thawcycles should be avoided. Prior to assay, the frozen
lenaturationmay occur in these samples, leading to false results. Samples should
f r l

Precaution of Use:	The Stop Solution suggested for use with this kit is an acid solution. Wear eye, hand, face, and
	clothing protection when using this material.
Storage:	4 °C/-20 °C
Storage Comment:	<ol> <li>For unopened kit: All reagents should be stored according to the labels on the vials. The Standard, Detection Reagent A, Detection Reagent B, and 96-well Strip Plate should be stored at -20 °C upon receipt, while the other reagents should be stored at 4 °C.</li> <li>For opened kits: the remaining reagents must be stored according to the above storage conditions. In addition, please return the unused wells to the foil pouch containing the desiccant and seal the foil pouch with the zipper.</li> </ol>
Expiry Date:	6 months

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## ELISA

Image 1. Typical standard curve

#### Western Blotting

**Image 2.** Rabbit Detection antibody from the kit in WB with Positive Control: Sample Lane1: Human Serum; Lane2: Human Placenta Lysate; Lane3: Mouse Liver Tissue; Lane4: Mouse Heart Tissue.

#### Western Blotting

**Image 3.** Mouse Capture antibody from the kit in WB with Positive Control: Human Serum.

Please check the product details page for more images. Overall 5 images are available for ABIN6730889.

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