

Datasheet for ABIN2702827

APOA1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	APOA1
Reactivity:	Human, Rhesus Monkey
Method Type:	Sandwich ELISA
Detection Range:	0.08-20 ng/mL
Minimum Detection Limit:	0.08 ng/mL
Application:	ELISA

Product Details

Purpose:	Human ApoA ELISA Kit for cell culture supernatants, plasma, and serum samples.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair detects human ApoA1. Cross-reacts with ApoA1 from rhesus and cynomolgus macaques. Other species not determined.
Sensitivity:	0.08 ng/mL
Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data

Product Details

Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody• Streptavidin-Conjugated HRP• TMB One-Step Substrate
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 µL to 1 µL volumes• Adjustable 1-25 µL pipettes for reagent preparation• 100 µL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• Log-log graph paper or computer and software for ELISA data analysis
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Target Details

Target:	APOA1
Alternative Name:	APOA1 (APOA1 Products)
Background:	Gene Names: APOA1 Protein names: Apolipoprotein A-I (Apo-AI) (ApoA-I) (Apolipoprotein A1) [Cleaved into: Proapolipoprotein A-I (ProapoA-I), Truncated apolipoprotein A-I (Apolipoprotein A-I(1-242))]
Gene ID:	335
UniProt:	P02647
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Production of Molecular Mediator of Immune Response , Lipid Metabolism

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples1,000,000 fold
Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual.

Application Details

- 2. Add 100 µL of standard or sample to each well.
- 3. Incubate 2.5 h at RT or O/N at 4 °C.
- 4. Add 100 µL of prepared biotin antibody to each well.
- 5. Incubate 1 h at RT.
- 6. Add 100 µL of prepared Streptavidin solution to each well.
- 7. Incubate 45 min at RT.
- 8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
- 9. Incubate 30 min at RT.
- 10. Add 50 µL of Stop Solution to each well.
- 11. Read at 450 nm immediately.

Sample Preparation: For example, add 1 µL of serum or plasma into a tube with 999 µL 1X Assay Diluent to prepare a 1,000-fold diluted sample. Mix thoroughly and then pipette 1 µL of prepared 1,000-fold diluted sample into a tube with 999 µL 1X Assay Diluent to prepare a final 1,000,000-fold diluted sample.

Restrictions: For Research Use only

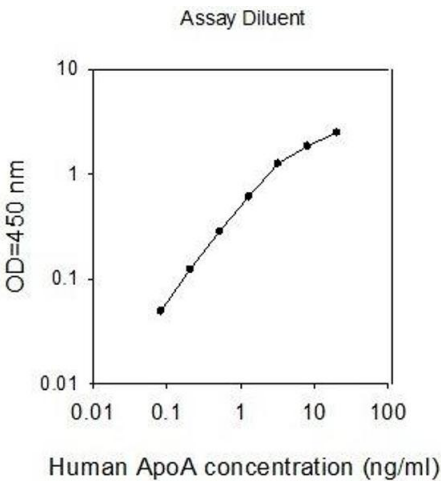
Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 6 months

Images



ELISA

Image 1.