

Human Apolipoprotein A1 (APOA1) CLIA Kit | APOA1 clia kit

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CATALOG # AAA188921	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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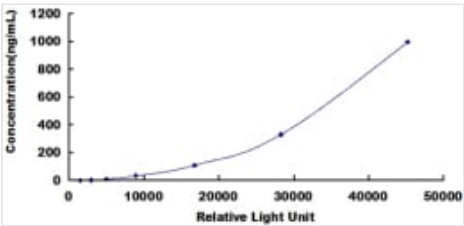
PRODUCT SYNONYMS

Apolipoprotein A1 (APOA1); Human Apolipoprotein A1 (APOA1) CLIA Kit; Apolipoprotein A1; Apo-A1; ApoA-1 Milano; ProapoA-I; Proapolipoprotein A-I; Truncated apolipoprotein A-I; APOA1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Apolipoprotein A1 (APOA1). No significant cross-reactivity or interference between Apolipoprotein A1 (APOA1) and analogues was observed.
Sequence Length	14
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.37-1,000ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.68ng/mL
Applicable Applications for APOA1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Apolipoprotein A1 (APOA1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Apolipoprotein A1 (APOA1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Apolipoprotein A1 (APOA1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Apolipoprotein A1 (APOA1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Apolipoprotein A1 (APOA1) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	553183
NCBI GeneID	335
UniProt Accession #	P02647
NCBI Official Full Name	APOA1, partial
NCBI Official Synonym Full Names	apolipoprotein A1
NCBI Official Symbol	APOA1
NCBI Official Synonym Symbols	HPALP2; apo(a)
NCBI Protein Information	apolipoprotein A-I
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
UniProt Synonym Gene Names	Apo-AI; ApoA-I
UniProt Entry Name	APOA1_HUMAN

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://www.aaabiotech.com/human-clia-kits/apolipoprotein-a1-apoa1/188921>