

Human anti-apolipoprotein A1 (Apo-A1) antibody ELISA Kit | Apo-A1 elisa kit

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CATALOG #
AAA247134

REACTIVITY
Human

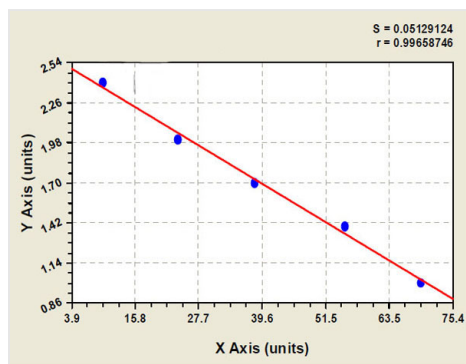
PRODUCT SYNONYMS

anti-apolipoprotein A1 (Apo-A1) antibody; Human anti-apolipoprotein A1 (Apo-A1) antibody ELISA Kit; Apo-A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ApoA1-Ab. No significant cross-reactivity or interference between ApoA1-Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ApoA1-Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	264
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Apo-A1 elisa kit	Principle of the Assay: ApoA1-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing an ApoA1 antigen and an ApoA1-Ab-HRP conjugate. The assay sample and buffer are incubated together with ApoA1-Ab-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ApoA1-Ab concentration since ApoA1-Ab from samples and ApoA1-Ab-HRP conjugate compete for the ApoA1 antigen binding site. Since the number of sites is limited, as more sites are occupied by ApoA1-Ab from the sample, fewer sites are left to bind ApoA1-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ApoA1-Ab concentration in each sample is interpolated from this standard curve. Intended Uses: This ApoA1-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ApoA1-Ab. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45382961
NCBI GeneID	396536
NCBI Accession #	NP_990856.1
NCBI GenBank Nucleotide #	NM_205525.4
UniProt Accession #	P08250
Molecular Weight	30,680 Da
NCBI Official Full Name	apolipoprotein A-I preproprotein
NCBI Official Synonym Full Names	apolipoprotein A1
NCBI Official Symbol	APOA1
NCBI Protein Information	apolipoprotein A-I
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
UniProt Synonym Gene Names	Apo-AI; ApoA-I; ProapoA-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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/anti-apolipoprotein-a1-apo-a1-antibody/247134>