

Human apoprotein A1 ELISA Kit | Apo-A1 elisa kit

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CATALOG #
AAA84760

REACTIVITY
Human

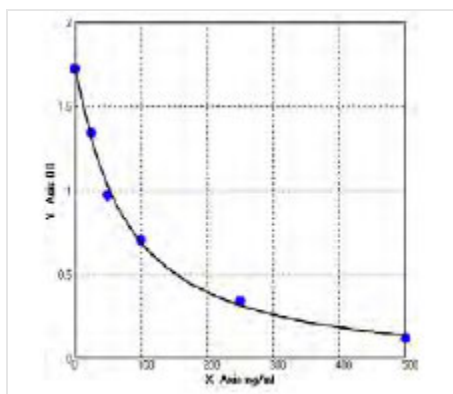
PRODUCT SYNONYMS

apoprotein A1; Human apoprotein A1 ELISA Kit; apoprotein A1 (Human); Apo-A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Apo-A1 elisa kit

Intended Uses: This APLP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human APLP1. This ELISA kit for research use only!

Principle of the Assay: APLP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-APLP1 antibody and an APLP1-HRP conjugate. The assay sample and buffer are incubated together with APLP1-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 APLP1 concentration since APLP1 from samples and APLP1-HRP conjugate compete for the anti-APLP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by APLP1 from the sample, fewer sites are left to bind APLP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The APLP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557321
NCBI GeneID	335
NCBI Accession #	NP_000030.1
NCBI GenBank Nucleotide #	NM_000039.1
UniProt Accession #	P02647; Q6LDN9; Q6Q785; Q9UCS8; Q9UCT8; A8K866; Q6LEJ8; Q8TDB0; Q9Y355
Molecular Weight	30,778 Da
NCBI Official Full Name	apolipoprotein A-I preproprotein
NCBI Official Synonym Full Names	apolipoprotein A-I
NCBI Official Symbol	APOA1
NCBI Official Synonym Symbols	MGC117399
NCBI Protein Information	apolipoprotein A-I; apo-AI; apoA-I; OTTHUMP00000043268; OTTHUMP00000069346; OTTHUMP00000069347; OTTHUMP00000069348
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
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.