

Human Apolipoprotein A1 precursor ELISA Kit | Pre APO A1 elisa kit

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CATALOG #
AAA82990

REACTIVITY
Human

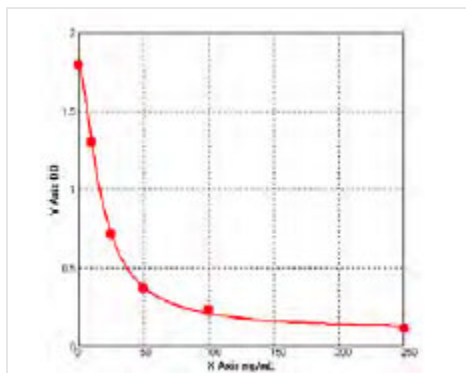
PRODUCT SYNONYMS

Apolipoprotein A1 precursor; Human Apolipoprotein A1 precursor ELISA Kit; Pre APO A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Pre-Apo-A1. No significant cross-reactivity or interference between Pre-Apo-A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Pre-Apo-A1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pre APO A1 elisa kit	Intended Uses: This Pre-Apo-A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Pre-Apo-A1. This ELISA kit for research use only! Principle of the Assay: Pre-Apo-A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Pre-Apo-A1 antibody and an Pre-Apo-A1-HRP conjugate. The assay sample and buffer are incubated together with Pre-Apo-A1-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 Pre-Apo-A1 concentration since Pre-Apo-A1 from samples and Pre-Apo-A1-HRP conjugate compete for the anti-Pre-Apo-A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Pre-Apo-A1 from the sample, fewer sites are left to bind Pre-Apo-A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Pre-Apo-A1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Pre APO A1 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	167887482
NCBI GeneID	335
Molecular Weight	30,778 Da
NCBI Official Full Name	apolipoprotein A-I variant 1
NCBI Official Synonym Full Names	apolipoprotein A-I
NCBI Official Symbol	APOA1
NCBI Protein Information	apolipoprotein A-I; apo-AI
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
UniProt Synonym Gene Names	Apo-AI; ApoA-I; ProapoA-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.