

Rat Apolipoprotein A1 precursor ELISA Kit | Pre-APO-A1 elisa kit

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CATALOG #
AAA83561

REACTIVITY
Rat

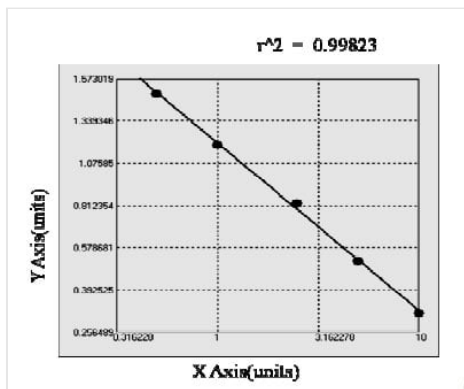
PRODUCT SYNONYMS

Apolipoprotein A1 precursor; Rat Apolipoprotein A1 precursor ELISA Kit; Pre-APO-A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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-ApoA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat pre-ApoA1. This ELISA kit for research use only!

Principle of the Assay||Pre-ApoA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-pre-ApoA1 antibody and an pre-ApoA1-HRP conjugate. The assay sample and buffer are incubated together with pre-ApoA1-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-ApoA1 concentration since pre-ApoA1 from samples and pre-ApoA1-HRP conjugate compete for the anti-pre-ApoA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by pre-ApoA1 from the sample, fewer sites are left to bind pre-ApoA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The pre-ApoA1 concentration in each sample is interpolated from this standard curve.

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.