

Rat Apolipoprotein A1 (APOA1) ELISA Kit | APOA1 elisa kit

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CATALOG #
AAA138750

REACTIVITY
Rat

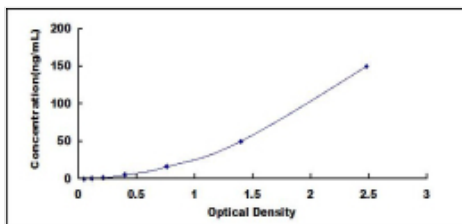
PRODUCT SYNONYMS

Apolipoprotein A1 (APOA1); Rat Apolipoprotein A1 (APOA1) ELISA Kit; Apo-A1; ApoA-1 Milano; ProapoA-I; Proapolipoprotein A-I; Truncated apolipoprotein A-I; APOA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	267
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.73ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
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%
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)

ADDITIONAL INFORMATION

Related Product Information for APOA1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate 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 microtiter plate 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. After TMB substrate solution is added, only those wells that contain Apolipoprotein A1 (APOA1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Apolipoprotein A1 (APOA1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for APOA1 elisa kit	Metabolic pathway; Cardiovascular biology; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4960066
NCBI GeneID	335
UniProt Accession #	P02647; Q6LDN9; Q6Q785; Q9UCS8; Q9UCT8; A8K866
Molecular Weight	30,778 Da
NCBI Official Full Name	apolipoprotein A1, partial
NCBI Official Synonym Full Names	apolipoprotein A-I
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
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.