

Human Apolipoprotein A4 (APOA4) ELISA Kit | APOA4 elisa kit

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CATALOG #
AAA66886

REACTIVITY
Human

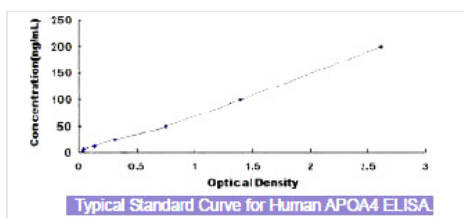
PRODUCT SYNONYMS

Apolipoprotein A4 (APOA4); Human Apolipoprotein A4 (APOA4) ELISA Kit; ApoA-IV; ApoAIV; Apo-A4; APOA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of APOA4. No significant cross-reactivity or interference between APOA4 and analogues was observed.
Sequence Length	396
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	4.687-300ng/mL
Sensitivity	1.7ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level APOA4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level APOA4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOA4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of APOA4 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to APOA4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to APOA4. 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 APOA4, 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 APOA4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	93163358
NCBI GeneID	337
UniProt Accession #	P06727; Q14CW8; Q6Q787; A8MSL6
Molecular Weight	45,399 Da
NCBI Official Full Name	Apolipoprotein A-IV
NCBI Official Synonym Full Names	apolipoprotein A4
NCBI Official Symbol	APOA4
NCBI Protein Information	apolipoprotein A-IV
UniProt Protein Name	Apolipoprotein A-IV
UniProt Gene Name	APOA4
UniProt Synonym Gene Names	Apo-AIV; ApoA-IV

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.