

Human apolipoprotein A-II ELISA Kit | APOA2 elisa kit

Human Apolipoprotein A2, apo-A2 ELISA Kit

CATALOG #
AAA80523

REACTIVITY
Human

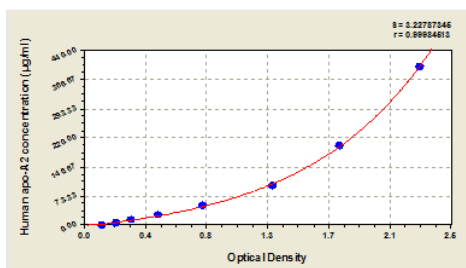
PRODUCT SYNONYMS

apolipoprotein A-II; Human Apolipoprotein A2; apo-A2 ELISA Kit; APOA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human APOA2. No significant cross-reactivity or interference between Human APOA2 and analogues was observed.
Sequence Length	100
Detection Range	6.2 ug/ml-400 ug/ml?
Sensitivity	1.6 ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Immunity
Protein Biological Process 3	Host-virus interaction
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOA2 elisa kit	Introduction: Apolipoprotein A2 is a 17.5 kDa protein with a pI of 4.9. Lipids, as such are insoluble in plasma. They combine with apolipoproteins to form lipoproteins and this process solubilises lipids in plasma, providing a transport system for lipids. Apolipoproteins also play an important role in lipoprotein receptor recognition and regulation of certain enzymes in lipoprotein metabolism. Two main forms of high density lipoprotein exist; both contain APOA1, but one type only contains APO A2. For more information on APO A2 please download the PDF catalogue below. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to apo-A2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for apo-A2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain apo-A2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of apo-A2 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 #	4502149
NCBI GeneID	336
NCBI Accession #	NP_001634.1
NCBI GenBank Nucleotide #	NM_001643.1
UniProt Accession #	P02652; B2R524
Molecular Weight	11,175 Da
NCBI Official Full Name	apolipoprotein A-II preproprotein
NCBI Official Synonym Full Names	apolipoprotein A-II
NCBI Official Symbol	APOA2
NCBI Official Synonym Symbols	apoAII; Apo-AII; ApoA-II
NCBI Protein Information	apolipoprotein A-II; apolipoprotein A2
UniProt Protein Name	Apolipoprotein A-II
UniProt Gene Name	APOA2
UniProt Synonym Gene Names	Apo-AII; ApoA-II; ProapoA-II
UniProt Entry Name	APOA2_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.