

Human Apolipoprotein A-I-binding protein ELISA Kit | APOA1BP elisa kit

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CATALOG #
AAA17708

REACTIVITY
Human

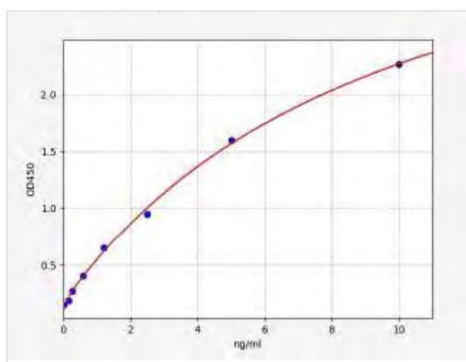
PRODUCT SYNONYMS

Apolipoprotein A-I-binding protein; Human Apolipoprotein A-I-binding protein ELISA Kit; APOA1BP/AIBP/YJEFN1/YjeF_N1/AI-BP/YjeF N-terminal domain-containing protein 1/Apolipoprotein A-I-binding protein (I)/NAD (P)HX epimerase; APOA1BP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize APOA1BP, no obvious cross reaction with other analogues
Sequence Length	235
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOA1BP elisa kit	Background: Apolipoprotein A-I-binding protein, also known as AIBP, is a protein encoded by the APOA1BP gene. It interacts with apolipoprotein A-I (apoA-I), the major protein component of high-density lipoprotein (HDL) particles, and modulates its function. APOA1BP is involved in cholesterol metabolism and transport, particularly in the reverse cholesterol transport pathway, where it facilitates cholesterol efflux from peripheral tissues to the liver for excretion. APOA1BP has been implicated in the regulation of lipid metabolism, inflammation, and atherosclerosis. Studies have shown that APOA1BP expression is altered in various metabolic diseases, such as obesity, diabetes, and cardiovascular diseases, suggesting its potential as a therapeutic target for metabolic disorders. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti APOA1BP antibody was pre-coated onto the 96-well plate. The biotin conjugated anti APOA1BP antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with APOA1BP conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of APOA1BP in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	318054060
NCBI GeneID	100528448
NCBI Accession #	NP_001187647.1
NCBI GenBank Nucleotide #	NM_001200718.1
NCBI Official Full Name	apolipoprotein A-I-binding protein
NCBI Official Symbol	aibp
NCBI Protein Information	apolipoprotein A-I-binding protein

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.

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Online datasheet: <https://stage.aaabiotech.com/apoa1bp-human-elisa-kits/apolipoprotein-a-i-binding-protein/17708>