

Human Apolipoprotein B-100 ELISA Kit | APOB elisa kit

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CATALOG #
AAA99348

REACTIVITY
Human

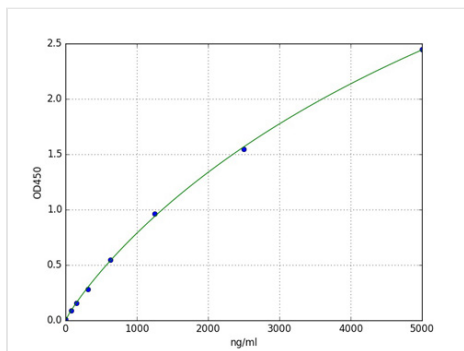
PRODUCT SYNONYMS

Apolipoprotein B-100; Human Apolipoprotein B-100 ELISA Kit; ApoB (Apolipoprotein B)/APOB/Apo-B/FLDB/LDLQC4; APOB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	4563
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000ng/ml
Sensitivity	46.875ng/ml
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)

Typical Data & Standard Curve

Results of a typical standard run of a ApoB ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.025	0.047	0.067	0.102	0.198	0.409	0.931	2.132

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOB elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ApoB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ApoB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ApoB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ApoB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

105990532

NCBI GeneID	338
NCBI Accession #	NP_000375.2
NCBI GenBank Nucleotide #	NM_000384.2
Molecular Weight	515,605 Da
NCBI Official Full Name	apolipoprotein B-100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	APOB
NCBI Official Synonym Symbols	FLDB; LDLCQ4; apoB-48; apoB-100
NCBI Protein Information	apolipoprotein B-100
UniProt Protein Name	Apolipoprotein B-100
UniProt Gene Name	APOB
UniProt Synonym Gene Names	Apo B-100; Apo B-48
UniProt Entry Name	APOB_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.

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Online datasheet: <https://stage.aaabiotech.com/apob-human-elisa-kits/apolipoprotein-b-100/99348>