

Rabbit apolipoprotein B100 (Apo-B100) ELISA Kit | APOB elisa kit

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CATALOG #
AAA245419

REACTIVITY
Rabbit

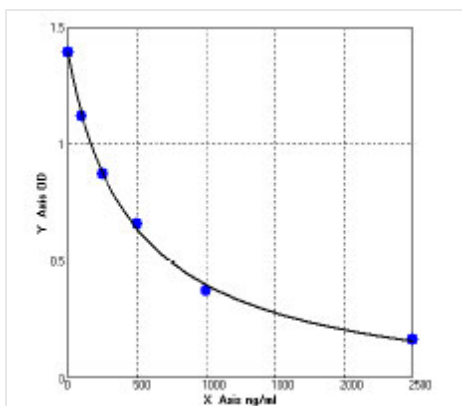
PRODUCT SYNONYMS

apolipoprotein B100 (Apo-B100); Rabbit apolipoprotein B100 (Apo-B100) ELISA Kit; APOB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of Apo-B100. No significant cross-reactivity or interference between Apo-B100 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Apo-B100 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOB elisa kit	Intended Uses: This Apo-B100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit Apo-B100. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: Apo-B100 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Apo-B100 antibody and an Apo-B100-HRP conjugate. The assay sample and buffer are incubated together with Apo-B100-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Apo-B100 concentration since Apo-B100 from samples and Apo-B100-HRP conjugate compete for the anti-Apo-B100 antibody binding site. Since the number of sites is limited, as more sites are occupied by Apo-B100 from the sample, fewer sites are left to bind Apo-B100-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Apo-B100 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for APOB elisa kit	Cardiovascular

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
NCBI Protein Information	apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; apolipoprotein B (including Ag(x) antigen)
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://www.aaabiotech.com/apob-rabbit-elisa-kits/apolipoprotein-b100-apo-b100/245419>