

Rat Apoprotein B100 ELISA Kit | Apo-B100 elisa kit

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CATALOG #
AAA16139

REACTIVITY
Rat

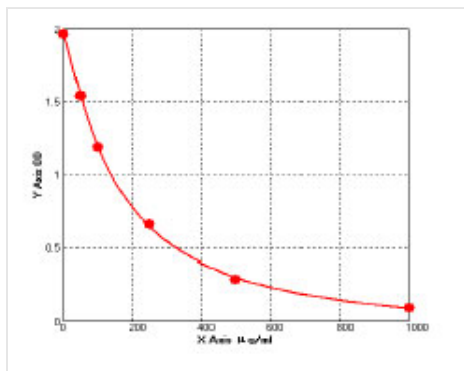
PRODUCT SYNONYMS

Apoprotein B100; Rat Apoprotein B100 ELISA Kit; Apo-B100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ApoB100. No significant cross-reactivity or interference between ApoB100 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ApoB100 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ?g/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Apo-B100 elisa kit	Principle of the Assay: ApoB100 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ApoB100 antibody and an ApoB100-HRP conjugate. The assay sample and buffer are incubated together with ApoB100-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 ApoB100 concentration since ApoB100 from samples and ApoB100-HRP conjugate compete for the anti-ApoB100 antibody binding site. Since the number of sites is limited, as more sites are occupied by ApoB100 from the sample, fewer sites are left to bind ApoB100-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ApoB100 concentration in each sample is interpolated from this standard curve. Intended Uses: This ApoB100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ApoB100. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Apo-B100 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	28780
NCBI GeneID	338
UniProt Accession #	P04114; O00502; P78479; P78480; P78481; Q13779; Q13785; Q13786; Q13787; Q13788; Q4ZG63; Q53QC8
Molecular Weight	515,605 Da
NCBI Official Full Name	apo-B100
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://stage.aaabiotech.com/apo-b100-rat-elisa-kits/apoprotein-b100/16139>