

Human Apolipoprotein B ELISA Kit | APOB elisa kit

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CATALOG #
AAA86196

REACTIVITY
Human

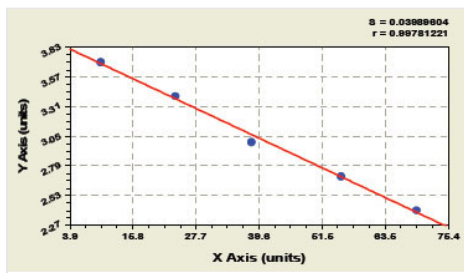
PRODUCT SYNONYMS

Apolipoprotein B; Human Apolipoprotein B ELISA Kit; APOB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Apo-B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Apo-B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for APOB elisa kit

Principle of the assay: Apo-B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Apo-B antibody and an Apo-B-HRP conjugate. The assay sample and buffer are incubated together with Apo-B-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-B concentration since Apo-B from samples and Apo-B-HRP conjugate compete for the anti-Apo-B antibody binding site. Since the number of sites is limited, as more sites are occupied by Apo-B from the sample, fewer sites are left to bind Apo-B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Apo-B concentration in each sample is interpolated from this standard curve.

Product Categories/Family for APOB elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	108794407
Molecular Weight	19,187 Da
NCBI Official Full Name	ApoB, partial
UniProt Protein Name	ApoB
UniProt Gene Name	ApoB
UniProt Entry Name	A9CDA0_9EUTH

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-human-elisa-kits/apolipoprotein-b/86196>