

Rat Apolipoprotein B100 (APOB100) ELISA Kit | APOB100 elisa kit

Rat Apolipoprotein B100 (APOB100) Wide-range ELISA Kit

CATALOG # AAA189172	REACTIVITY Rat	APPLICATIONS ELISA
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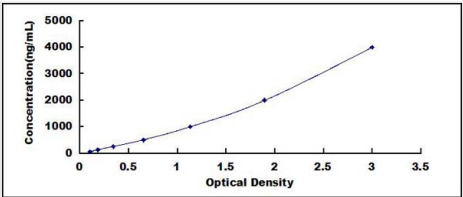
PRODUCT SYNONYMS

Apolipoprotein B100 (APOB100); Rat Apolipoprotein B100 (APOB100) Wide-range ELISA Kit; Apolipoprotein B100; Apo-B100; APOB100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Apolipoprotein B100 (APOB100). No significant cross-reactivity or interference between Wide-range Apolipoprotein B100 (APOB100) and analogues was observed.
Sequence Length	4506
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	62.5-4,000ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 25.2ng/mL
Applicable Applications for APOB100 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wide-range Apolipoprotein B100 (APOB100) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wide-range Apolipoprotein B100 (APOB100) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide-range Apolipoprotein B100 (APOB100). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Apolipoprotein B100 (APOB100). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Wide-range Apolipoprotein B100 (APOB100), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Wide-range Apolipoprotein B100 (APOB100) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	161783809
NCBI GeneID	54225
NCBI Accession #	NP_062160.2
NCBI GenBank Nucleotide #	NP_062160.2
UniProt Accession #	Q7TMA5
NCBI Official Full Name	apolipoprotein B-100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	ApoB
NCBI Official Synonym Symbols	Aa1064; Ac1-060; ApoB-48; ApoB-100; Apo B-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

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/rat-elisa-kits/apolipoprotein-b100-apob100/189172>