

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

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CATALOG #  
**AAA246526**

REACTIVITY  
**Mouse**

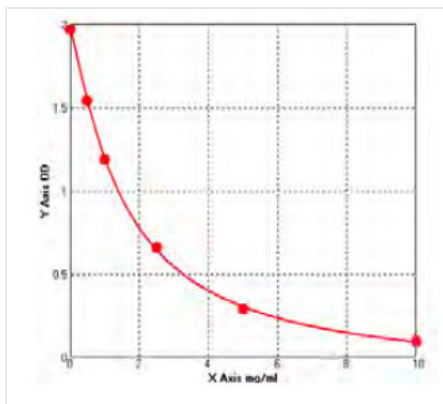
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                             |
| 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             | 0.1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                               |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for APOB elisa kit | <p>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.</p> <p>Intended Uses: This ApoB100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ApoB100. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| 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                | <b>APOB</b>                                                                                                                          |
| 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-mouse-elisa-kits/apolipoprotein-b100-apo-b100/246526>