

## Mouse Apolipoprotein A1 ELISA Kit | APOA1 elisa kit

Mouse Apolipoprotein A1 ELISA Kit

CATALOG #  
**AAA16664**

REACTIVITY  
**Mouse**

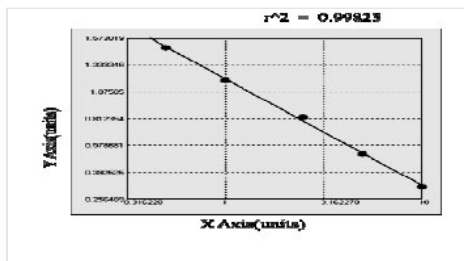
### PRODUCT SYNONYMS

Apolipoprotein A1; Mouse Apolipoprotein A1 ELISA Kit; APOA1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 250-5000ng/mL                                                              |
| Sensitivity             | 1.0pg/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for APOA1 elisa kit

**Intended Uses:** This ApoA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ApoA1. This ELISA kit for research use only!

**Principle of the Assay:** ApoA1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ApoA1 antibody and an ApoA1-HRP conjugate. The assay sample and buffer are incubated together with ApoA1-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 ApoA1 concentration since ApoA1 from samples and ApoA1-HRP conjugate compete for the anti-ApoA1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ApoA1 from the sample, fewer sites are left to bind ApoA1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ApoA1 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for APOA1 elisa kit

**Cardiovascular**

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 4557321                          |
| NCBI GeneID                      | 335                              |
| NCBI Accession #                 | NP_000030.1                      |
| NCBI GenBank Nucleotide #        | NM_000039.1                      |
| Molecular Weight                 | 30,778 Da                        |
| NCBI Official Full Name          | apolipoprotein A-I preproprotein |
| NCBI Official Synonym Full Names | apolipoprotein A-I               |
| NCBI Official Symbol             | APOA1                            |
| NCBI Protein Information         | apolipoprotein A-I; apo-AI       |
| UniProt Protein Name             | Apolipoprotein A-I               |
| UniProt Gene Name                | <b>APOA1</b>                     |
| UniProt Synonym Gene Names       | Apo-AI; ApoA-I; ProapoA-I        |
| UniProt Entry Name               | APOA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/apoa1-mouse-elisa-kits/apolipoprotein-a1/16664>