

## Human Apolipoprotein A1 ELISA Kit | APOA1 elisa kit

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CATALOG #  
**AAA263020**

REACTIVITY  
**Human**

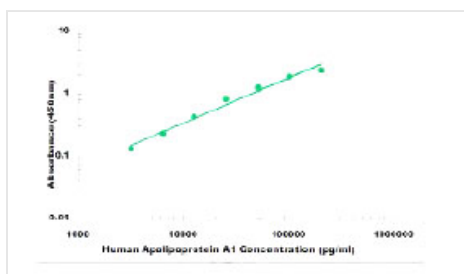
### PRODUCT SYNONYMS

Apolipoprotein A1; Human Apolipoprotein A1 ELISA Kit; Apolipoprotein A-I; Apo-AI; ApoA-I; APOA1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                |
| Specificity             | The Human Apolipoprotein A1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Apolipoprotein A1 proteins within the range of 3120 pg/ml - 200000 pg/ml. |
| Sequence Length         | 267                                                                                                                                                                                                                  |
| Samples                 | Cell Culture Supernates, Serum, Plasma, Urine                                                                                                                                                                        |
| Sensitivity             | <50 pg/ml                                                                                                                                                                                                            |
| Preparation and Storage | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for APOA1 elisa kit | <p>Principle of the Assay: The Human Apolipoprotein A1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Apolipoprotein A1 in Cell Culture Supernates, Serum, Plasma, Urine. This assay employs an antibody specific for Human Apolipoprotein A1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Apolipoprotein A1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Apolipoprotein A1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Apolipoprotein A1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background: Apolipoprotein A1 is a protein that in humans is encoded by the APOA1 gene. This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein.</p> |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 4557321                                        |
| NCBI GeneID                      | 335                                            |
| NCBI Accession #                 | NP_000030.1                                    |
| NCBI GenBank Nucleotide #        | NM_000039.2                                    |
| UniProt Accession #              | P02647; Q6LDN9; Q6Q785; Q9UCS8; Q9UCT8; A8K866 |
| Molecular Weight                 | 30,778 Da                                      |
| NCBI Official Full Name          | apolipoprotein A-I isoform 1 preproprotein     |
| NCBI Official Synonym Full Names | apolipoprotein A1                              |
| NCBI Official Symbol             | APOA1                                          |
| NCBI Official Synonym Symbols    | apo(a)                                         |
| NCBI Protein Information         | apolipoprotein A-I                             |
| UniProt Protein Name             | Apolipoprotein A-I                             |
| UniProt Gene Name                | APOA1                                          |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/apoa1-human-elisa-kits/apolipoprotein-a1/263020>