

## Human APOE PicoKine ELISA Kit | APOE elisa kit

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CATALOG #  
**AAA46138**

REACTIVITY  
**Human**

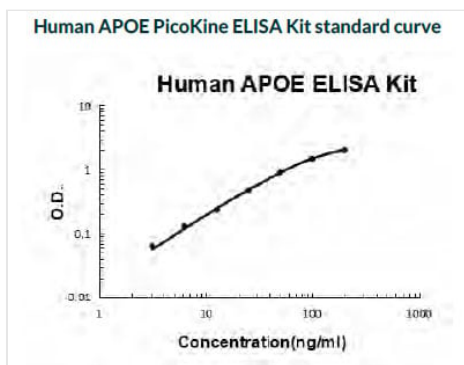
### PRODUCT SYNONYMS

APOE PicoKine; Human APOE PicoKine ELISA Kit; Apolipoprotein E; AD2; Alzheimer disease 2; Apo E; Apo-E; ApoE; APOEA; Apolipoprotein-E; ApolipoproteinE; Apoprotein; LDLQC5; LPG; apolipoprotein E; APOE elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant Human APOE                                                                                                                    |
| Sequence Length         | 317                                                                                                                                                   |
| Samples                 | Cell culture supernatants, serum, plasma (heparin, EDTA), saliva, milk and urine                                                                      |
| Detection Range         | 3.12 ng/ml - 200 ng/ml                                                                                                                                |
| Sensitivity             | <50 pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Related Product Information for APOE elisa kit | <p>Background: Apolipoprotein E (APOE) is a class of apolipoprotein found in the chylomicron and Intermediate-density lipoprotein (IDLs) that is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. In peripheral tissues, APOE is primarily produced by the liver and macrophages, and mediates cholesterol metabolism in an isoform- dependent manner. In the central nervous system, APOE is mainly produced by astrocytes, and transports cholesterol to neurons via APOE receptors, which are members of the low density lipoprotein receptor gene family. This protein is involved in Alzheimer's disease and cardiovascular disease.</p> <p>Principle of the Assay: The Picokine™ Human APOE Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human APOE with a 96-well strip plate that is pre-coated with antibody specific for APOE. The detection antibody is a biotinylated antibody specific for APOE. The kit includes Human APOE protein as standards. To measure Human APOE, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human APOE in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human APOE in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 4557325                        |
| NCBI GeneID                      | 348                            |
| NCBI Accession #                 | NP_000032.1                    |
| NCBI GenBank Nucleotide #        | NM_000041.3                    |
| UniProt Accession #              | P02649; Q9P2S4; B2RC15; C0JYY5 |
| Molecular Weight                 | 36,154 Da                      |
| NCBI Official Full Name          | apolipoprotein E isoform b     |
| NCBI Official Synonym Full Names | apolipoprotein E               |
| NCBI Official Symbol             | APOE                           |
| NCBI Official Synonym Symbols    | AD2; LPG; APO-E; LDLCQ5        |
| NCBI Protein Information         | apolipoprotein E               |
| UniProt Protein Name             | Apolipoprotein E               |
| UniProt Gene Name                | APOE                           |
| UniProt Synonym Gene Names       | Apo-E                          |
| UniProt Entry Name               | APOE_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/human-elisa-kits/apoe-picokine/46138>