

## Canine Apolipoprotein E ELISA Kit | APOE elisa kit

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CATALOG #  
**AAA93541**

REACTIVITY  
**Canine**

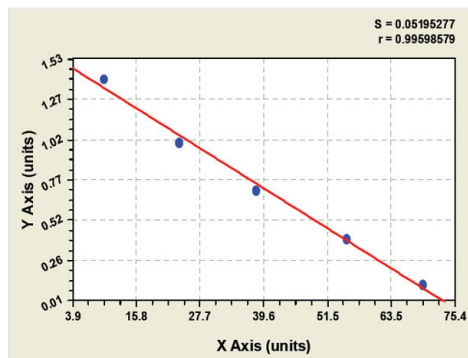
### PRODUCT SYNONYMS

Apolipoprotein E; Canine Apolipoprotein E ELISA Kit; APOE elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                 |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Sandwich                                                                                                                                                                               |
| Detection Range         | 100-2500ng/mL                                                                                                                                                                          |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                               |
| Intended Uses           | This APOE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine APOE. This ELISA kit for research use only, not for therapeutic applications |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for APOE elisa kit

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

## NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 4557325                                    |
| NCBI GeneID                      | 348                                        |
| NCBI Accession #                 | NP_000032.1                                |
| NCBI GenBank Nucleotide #        | NM_000041.2                                |
| Molecular Weight                 | 36,154 Da                                  |
| NCBI Official Full Name          | apolipoprotein E                           |
| NCBI Official Synonym Full Names | apolipoprotein E                           |
| NCBI Official Symbol             | APOE                                       |
| NCBI Official Synonym Symbols    | AD2; LPG; LDLQC5                           |
| NCBI Protein Information         | apolipoprotein E; apo-E; apolipoprotein E3 |
| UniProt Protein Name             | Apolipoprotein E                           |
| UniProt Gene Name                | <b>APOE</b>                                |
| 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.