

Rabbit Apolipoprotein E (APOE) ELISA Kit | APOE elisa kit

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CATALOG #
AAA135849

REACTIVITY
Rabbit

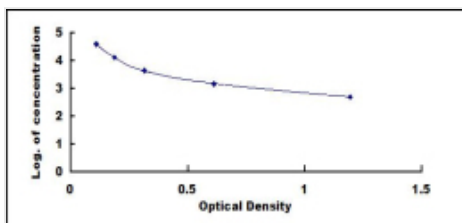
PRODUCT SYNONYMS

Apolipoprotein E (APOE); Rabbit Apolipoprotein E (APOE) ELISA Kit; Apo-E; AD2; Apoprotein; Alzheimer Disease 2(E4-Associated; Late Onset; APOE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of Apolipoprotein E (APOE). No significant cross-reactivity or interference between Apolipoprotein E (APOE) and analogues was observed.
Sequence Length	317
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	493.8-40,000pg/mL
Sensitivity	182.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Apolipoprotein E (APOE) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Apolipoprotein E (APOE) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOE elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Apolipoprotein E (APOE) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Apolipoprotein E (APOE) and unlabeled Apolipoprotein E (APOE) (Standards or samples) with the pre-coated antibody specific to Apolipoprotein E (APOE). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Apolipoprotein E (APOE) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Apolipoprotein E (APOE) in the sample.
Product Categories/Family for APOE elisa kit	Metabolic pathway; Cardiovascular biology; Hepatology

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
Online datasheet: <https://stage.aaabiotech.com/rabbit-elisa-kits/apolipoprotein-e-apoe/135849>