

Human Apolipoprotein E ELISA Kit | APOE elisa kit

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CATALOG #
AAA263021

REACTIVITY
Human

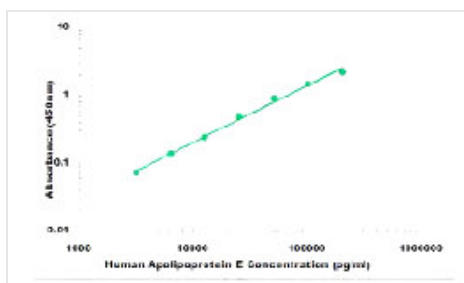
PRODUCT SYNONYMS

Apolipoprotein E; Human Apolipoprotein E ELISA Kit; Apo-E; APOE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Apolipoprotein E ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Apolipoprotein E proteins within the range of 3120 pg/ml - 200000 pg/ml.
Sequence Length	317
Samples	Cell Culture Supernates, Serum, Plasma, Saliva, Urine, Human Milk
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 APOE elisa kit

Principle of the Assay: The Human Apolipoprotein E ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Apolipoprotein E in Cell Culture Supernates, Serum, Plasma, Saliva, Urine, Human Milk. This assay employs an antibody specific for Human Apolipoprotein E coated on a 96-well plate. Standards and samples are pipetted into the wells and Apolipoprotein E present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Apolipoprotein E 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 E bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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.

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; ApoE4; 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.

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Online datasheet: <https://stage.aaabiotech.com/apoe-human-elisa-kits/apolipoprotein-e/263021>