

Rat Apolipoprotein E ELISA Kit | APOE elisa kit

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CATALOG #
AAA82733

REACTIVITY
Rat

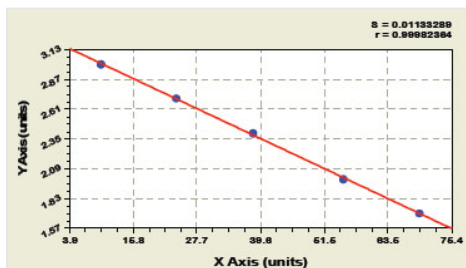
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This ApoE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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.

Product Categories/Family for APOE elisa kit

Neurobiology

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; LDLCQ5
NCBI Protein Information	apolipoprotein E; apo-E; apolipoprotein E3
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-rat-elisa-kits/apolipoprotein-e/82733>