

Mouse Apolipoprotein E ELISA Kit | APOE elisa kit

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CATALOG #
AAA16016

REACTIVITY
Mouse

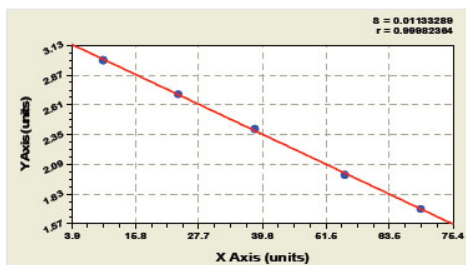
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Apo-E ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Apo-E. This ELISA kit for research use only, not for therapeutic applications
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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: Apo-E ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Apo-E antibody and an Apo-E-HRP conjugate. The assay sample and buffer are incubated together with Apo-E-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 Apo-E concentration since Apo-E from samples and Apo-E-HRP conjugate compete for the anti-Apo-E antibody binding site. Since the number of sites is limited, as more sites are occupied by Apo-E from the sample, fewer sites are left to bind Apo-E-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Apo-E 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; 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-mouse-elisa-kits/apolipoprotein-e/16016>