

Bovine Apolipoprotein E ELISA Kit | APOE elisa kit

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CATALOG #
AAA88904

REACTIVITY
Bovine

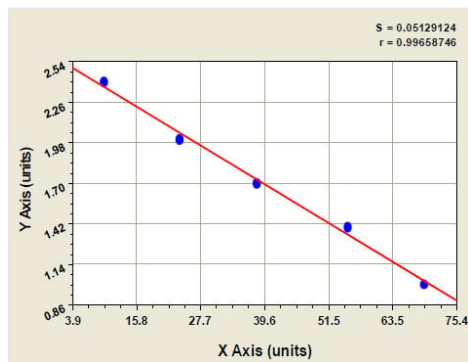
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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 APOE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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; 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-bovine-ovine-elisa-kits/apolipoprotein-e/88904>