Apolipoprotein E (APOE) ELISA Kit for Goat

PRODUCT OVERVIEW

Product Name	Apolipoprotein E (APOE), ELISA Kit
Full Product Name	Goat Apolipoprotein E (APOE) ELISA Kit
Product Gene Name	APOE elisa kit
Product Synonym Names	AD2; LDLCQ5; LPG; MGC1571; apolipoprotein E3
Species Reactivity	Goat
Assay Type	Sandwich
Specificity	This assay has high sensitivity and excellent specificity for detection of Goat APOE. No significant cross-reactivity or interference between Goat APOE and analogues was observed.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.
3D Structure	ModBase 3D Structure for P0DN38
Assay	Serum, Plasma, Other biological fluids
Analysis Method	Quantitive
Detection Wavelength	450nm
Sample Volume	1-200uL
Assay Duration	1-4.5h
Precision	Intra-assay Precision (Precision within an assay): Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate APOE in samples. An antibody specific for APOE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any APOE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for APOE is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of APOE bound in the initial step. The color development is stopped and the intensity of the color is measured.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for APOE elisa kit	MBS2802673 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Apolipoprotein E (APOE) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing APOE. The ELISA analytical biochemical technique of the MBS2802673 kit is based on APOE antibody-APOE antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect APOE antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, APOE. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of APOE elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOE. It may not necessarily be applicable to this product.

UniProt Primary Accession #	P0DN38
Protein Family	Apolipoprotein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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