

Datasheet for KOA0878

Human APOE ELISA Kit**Overview**

Description:	Human APOE AccuSignal ELISA Kit - KOA0878
Item No.:	KOA0878
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	3.12 ng/ml - 200 ng/ml

Product Details

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.
Synonyms:	AD2, Alzheimer disease 2, Apo E, Apo-E, ApoE, APOEA, Apolipoprotein E, Apolipoprotein-E, ApolipoproteinE, Apoprotein, LDLCQ5, LPG
Detection Kit Type:	ELISA Kit
Detection Range:	3.12 ng/ml - 200 ng/ml
Sensitivity:	<50 pg/ml

Target Details

Gene Name:	APOE
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: K19-H317
Purity/Specificity:	Natural human APOE. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P02649

- [NCBI - NP_000032.1](#)
- [GeneID - 348](#)
- [KOA0878 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 200ng/ml, 100ng/ml, 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml human APOE standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA), saliva, milk or urine to each empty well. It is recommended that each human APOE standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	DOE: 2-8° C - 07/14/2020 -20° C - 01/12/2021

Formulation

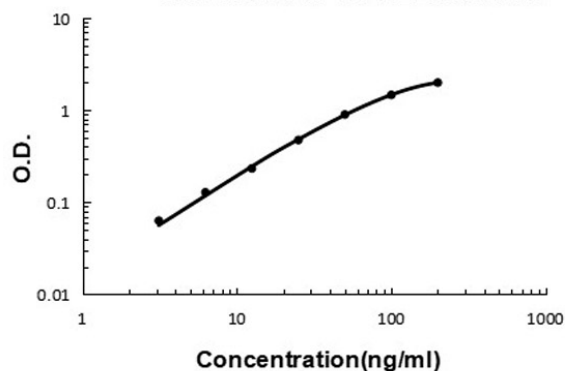
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images

Human APOE ELISA Kit



ELISA

Human APOE ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.