

ARG82280 Mouse Apolipoprotein E ELISA Kit

Package: 2x96 wells
Store at: 4°C

Summary

Product Description	ARG82280 Mouse Apolipoprotein E ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Apolipoprotein E in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	Apolipoprotein E
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	1 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	1.56 - 100 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 3.7% Inter-Assay CV: 7.1%
Alternate Names	Apolipoprotein E; Apo-E; APO-E; LPG; AD2; LDLCQ5

Application Instructions

Assay Time	~ 4.5 hours
------------	-------------

Properties

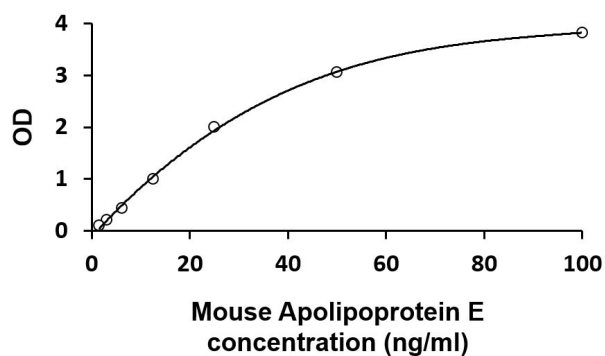
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	APOE
Gene Full Name	apolipoprotein E
Background	The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Function	Mediates the binding, internalization, and catabolism of lipoprotein particles. It can serve as a ligand for the LDL (apo B/E) receptor and for the specific apo-E receptor (chylomicron remnant) of hepatic tissues. [UniProt]
Highlight	Related products: Apolipoprotein antibodies ; Apolipoprotein ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82280 Mouse Apolipoprotein E ELISA Kit standard curve image

ARG82280 Mouse Apolipoprotein E ELISA Kit results of a typical standard run with optical density reading at 450 nm.