

ARG82279 Mouse Apolipoprotein AI ELISA Kit

Package: 2x96 wells
Store at: 4°C

Summary

Product Description	ARG82279 Mouse Apolipoprotein AI ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Apolipoprotein AI in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	Apolipoprotein AI
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.03 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.16 - 10 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 3.7% Inter-Assay CV: 4.5%
Alternate Names	ApoA-I; ProapoA-I; Apo-AI; Apolipoprotein A-I; Apolipoprotein A1; 1-242

Application Instructions

Assay Time	~ 3.5 hours
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Properties

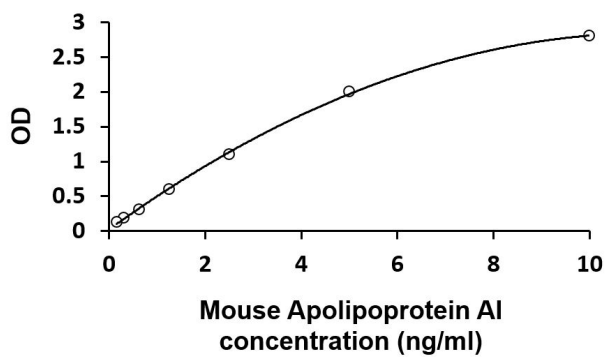
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	APOA1
Gene Full Name	apolipoprotein A-I
Background	This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. [provided by RefSeq, Jul 2008]

Function	Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility. [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



ARG82279 Mouse Apolipoprotein AI ELISA Kit standard curve image

ARG82279 Mouse Apolipoprotein AI ELISA Kit results of a typical standard run with optical density reading at 450 nm.