

ARG80132 Human Apolipoprotein AI ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80132-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80132-002	Standard (Lyophilized)	3 X 40 ng/vial	4°C
ARG80132-003	Standard diluent buffer	20 ml	4°C
ARG80132-004	Antibody conjugate concentrate	400 µl	4°C
ARG80132-005	Antibody diluent buffer	16 ml	4°C
ARG80132-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80132-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80132-008	20X Wash buffer	50 ml	4°C
ARG80132-009	TMB substrate	12ml	4°C (Protect from light)
ARG80132-010	STOP solution	12ml	4°C
ARG80132-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80132 Human Apolipoprotein AI ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Apolipoprotein AI in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human ApoB, ApoC1, ApoC2, ApoC3, ApoD, ApoE, ApoE3, ApoER2, ApoH, ApoJ, ApoM
Target Name	Apolipoprotein AI
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.6 ng/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	1.25 - 80 ng/ml

Sample Volume	100 µl
Precision	CV: less than 9%
Alternate Names	ApoA-I; ProapoA-I; Apo-AI; Apolipoprotein A-I; Apolipoprotein A1; 1-242

Application Instructions

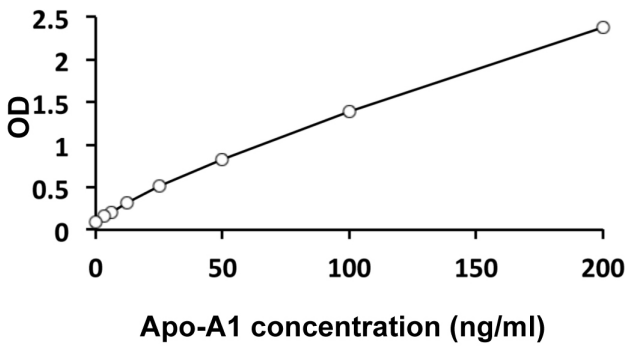
Assay Time	4 hours
------------	---------

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	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 cholesterol acyltransferase (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
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Metabolism kit; Neuroscience kit; Signaling Transduction kit
PTM	Glycosylated. Palmitoylated. Phosphorylation sites are present in the extracellular medium.



ARG80132 Human Apolipoprotein AI ELISA Kit standard curve image

ARG80132 Human Apolipoprotein AI ELISA Kit results of a typical standard run with optical density reading at 450 nm.