

ARG81098 Human Apolipoprotein B ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81098 Human Apolipoprotein B ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Apolipoprotein B in plasma, serum and urine.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Apolipoprotein B
Conjugation	HRP
Conjugation Note	TMB substrate is used for color development at 450 nm.
Sensitivity	1.5 ng/ml
Sample Type	Plasma, serum and urine
Standard Range	5 - 5000 ng/ml
Alternate Names	Apolipoprotein B-100; apoB-48; Apo B-100; apoB-100; Apo B-48; FLDB; LDLQC4

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

Database links	GeneID: 338 Human Swiss-port # P04114 Human
Gene Symbol	APOB
Gene Full Name	apolipoprotein B
Background	This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels. [provided by RefSeq, Jul 2008]
Function	Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor. [UniProt]

Highlight

Related products:

[Apolipoprotein antibodies](#); [Apolipoprotein ELISA Kits](#);

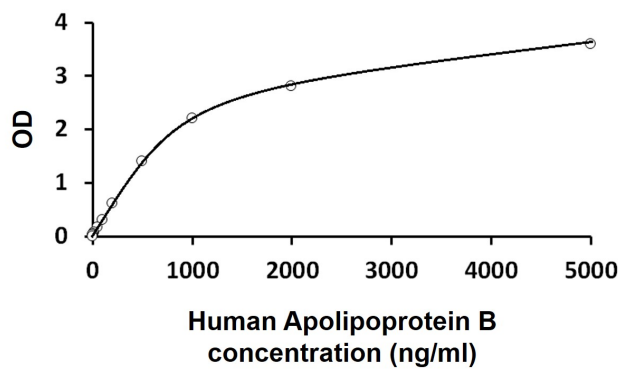
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Cancer kit; Cell Biology and Cellular Response kit; Metabolism kit; Signaling Transduction kit

Images



ARG81098 Human Apolipoprotein B ELISA Kit standard curve image

ARG81098 Human Apolipoprotein B ELISA Kit results of a typical standard run with optical density reading at 450 nm.