ARG82344
Mouse PLTP ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82344-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82344-002	Standard	2 X 50 ng/vial	4°C
ARG82344-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82344-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82344-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82344-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82344-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82344-008	25X Wash buffer	20 ml	4°C
ARG82344-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82344-010	STOP solution	10 ml (Ready to use)	4°C
ARG82344-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82344 Mouse PLTP ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse PLTP in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	PLTP
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 7.0%

Alternate Names	Lipid transfer protein II; Phospholipid transfer protein; BPIFE; HDLCQ9

Application Instructions

Assay Time	~ 5 hours

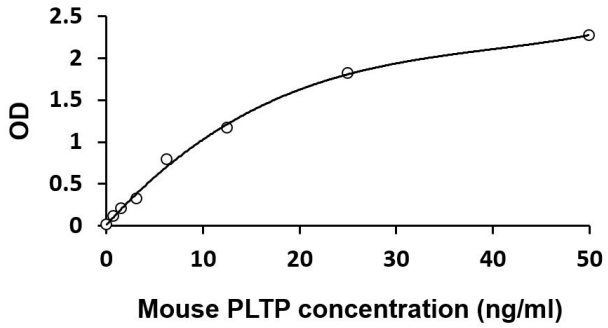
Properties

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	PLTP
Gene Full Name	phospholipid transfer protein
Background	The protein encoded by this gene is one of at least two lipid transfer proteins found in human plasma. The encoded protein transfers phospholipids from triglyceride-rich lipoproteins to high density lipoprotein (HDL). In addition to regulating the size of HDL particles, this protein may be involved in cholesterol metabolism. At least two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Facilitates the transfer of a spectrum of different lipid molecules, including diacylglycerol, phosphatidic acid, sphingomyelin, phosphatidylcholine, phosphatidylglycerol, cerebroside and phosphatidyl ethanolamine. Essential for the transfer of excess surface lipids from triglyceride-rich lipoproteins to HDL, thereby facilitating the formation of smaller lipoprotein remnants, contributing to the formation of LDL, and assisting in the maturation of HDL particles. PLTP also plays a key role in the uptake of cholesterol from peripheral cells and tissues that is subsequently transported to the liver for degradation and excretion. Two distinct forms of PLTP exist in plasma: an active form that can transfer PC from phospholipid vesicles to high-density lipoproteins (HDL), and an inactive form that lacks this capability. [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82344 Mouse PLTP ELISA Kit standard curve image

ARG82344 Mouse PLTP ELISA Kit results of a typical standard run with optical density reading at 450 nm.