

ARG81616 Human Lp-PLA2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81616-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81616-002	Standard	2 X 50 ng/vial	4°C
ARG81616-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81616-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81616-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81616-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81616-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81616-008	25X Wash buffer	20 ml	4°C
ARG81616-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81616-010	STOP solution	10 ml (Ready to use)	4°C
ARG81616-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81616 Human Lp-PLA2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Lp-PLA2 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Lp-PLA2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 6.5%
Alternate Names	LDL-PLA; gVIIA-PLA2; LDL-PLA2; Group-VIIA phospholipase A2; 2-acetyl-1-alkylglycerophosphocholine esterase; EC 3.1.1.47; LDL-associated phospholipase A2; PAF 2-acylhydrolase; 2; PAF acetylhydrolase; PAFAH; Platelet-activating factor acetylhydrolase; PAFAD; 1-alkyl-2-acetyl-glycerophosphocholine esterase; LP-PLA2

Application Instructions

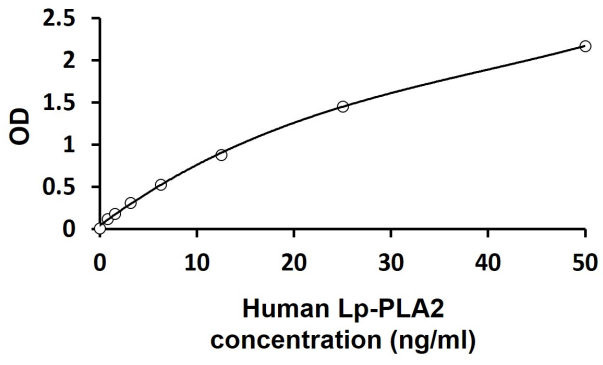
Assay Time	~ 5 hours
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Properties

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	PLA2G7
Gene Full Name	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
Background	The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet-activating factor to biologically inactive products. Defects in this gene are a cause of platelet-activating factor acetylhydrolase deficiency. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Dec 2009]
Function	Modulates the action of platelet-activating factor (PAF) by hydrolyzing the sn-2 ester bond to yield the biologically inactive lyso-PAF. Has a specificity for substrates with a short residue at the sn-2 position. It is inactive against long-chain phospholipids. [UniProt]
Highlight	Related products: Lp-PLA2 antibodies ; Lp-PLA2 ELISA Kits ; Lp-PLA2 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81616 Human Lp-PLA2 ELISA Kit standard curve image

ARG81616 Human Lp-PLA2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.