

Human Phospholipase A2 (PLA2) ELISA Kit

Catalog No: #EK8485



Package Size: #EK8485-1 48T #EK8485-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Phospholipase A2 (PLA2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC119834; MGC119835; PLA2; PLA2A; PPLA2; phosphatidylcholine 2-acylhydrolase phospholipase A2 group IB
Accession No.	P04054
Uniprot	P04054
GeneID	5319;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:16 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PLA2G1B in samples. An antibody specific for PLA2G1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLA2G1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLA2G1B is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PLA2G1B bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Phospholipase A2 catalyzes the release of fatty acids from glycerol-3-phosphocholines. The Sequences of pancreatic PLA2 enzymes from a variety of mammals have been reported. One striking feature of these enzymes is their close homology to venom phospholipases of snakes. Other forms of PLA2 have been isolated from brain, liver, lung, spleen, intestine, macrophages, leukocytes, erythrocytes, inflammatory exudates, chondrocytes, and platelets.In analogous human cDNA obtained from human lung, they also obtained and analyzed the apparently unique human gene encoding pancreatic PLA2. Hybridization probes made from human 'pancreatic' cDNA hybridized to two distinct genomic fragments of cobra DNA, indicating again a striking homology to one or more counterpart in one variety of snake.

Note: This product is for in vitro research use only