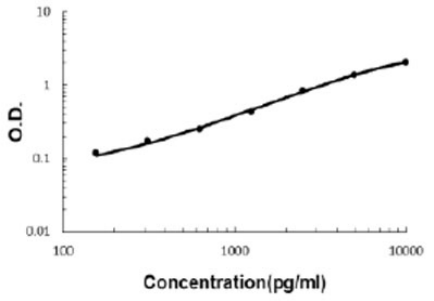
PLA2G2A (Human) ELISA Kit

Catalog # KA5797 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PLA2G2A (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative de tection of human PLA2G2A in cell culture supernates, serum and plasma (heparin, EDTA).
Suitable Sample	Cell culture supernates, serum and plasma (heparin, EDTA)
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for six months. For long term storage store at -20°C. Avoid repeated freezing and thawing.

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Applications

- Quantification

Gene Info — PLA2G2A

Entrez GeneID	5320
Protein Accession#	P14555
Gene Name	PLA2G2A
Gene Alias	MOM1, PLA2, PLA2B, PLA2L, PLA2S, PLAS1, sPLA2
Gene Description	phospholipase A2, group IIA (platelets, synovial fluid)
Omim ID	114500 172411
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s co nstitute a diverse family of enzymes with respect to sequence, function, localization, and divalent c ation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It c atalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free f atty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UT Rs have been found for this gene
Other Designations	OTTHUMP00000002786|phosphatidylcholine 2-acylhydrolase|phospholipase A2, group IIA|synovi al phospholipase-A2

Pathway

- alpha-Linolenic acid metabolism
- Arachidonic acid metabolism
- Ether lipid metabolism
- Fc epsilon RI signaling pathway
- Glycerophospholipid metabolism

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- GnRH signaling pathway
- Linoleic acid metabolism
- Long-term depression
- MAPK signaling pathway
- Metabolic pathways
- Vascular smooth muscle contraction
- VEGF signaling pathway

Disease

- Adenoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Coronary Artery Disease
- Depressive Disorder
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- HIV Infections
- Lung Neoplasms
- Pulmonary Disease
- Schizophrenia
- Sepsis
- Urinary Bladder Neoplasms
- Werner syndrome

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