

Human Phospholipidase A2 ELISA Kit | PL A2 elisa kit

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CATALOG #
AAA84365

REACTIVITY
Human

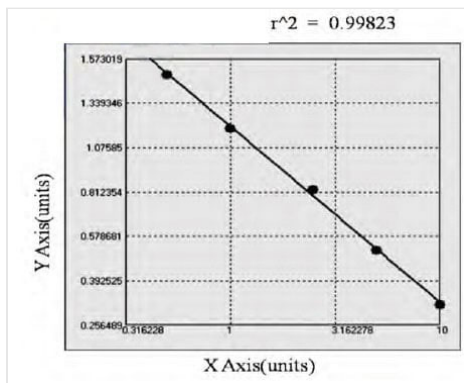
PRODUCT SYNONYMS

Phospholipidase A2; Human Phospholipidase A2 ELISA Kit; PL A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PL-A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PL-A2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PL A2 elisa kit

Principle of the Assay: PL-A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PL-A2 antibody and an PL-A2-HRP conjugate. The assay sample and buffer are incubated together with PL-A2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PL-A2 concentration since PL-A2 from samples and PL-A2-HRP conjugate compete for the anti-PL-A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PL-A2 from the sample, fewer sites are left to bind PL-A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PL-A2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58585172
NCBI GeneID	406141
NCBI Accession #	NP_001011614.1
NCBI GenBank Nucleotide #	NM_001011614.1
Molecular Weight	19,058 Da
NCBI Official Full Name	phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2<
NCBI Official Symbol	Pla2
NCBI Official Synonym Symbols	bvPLA2; GB13351
NCBI Protein Information	phospholipase A2; allergen Api m 1; allergen Api m I; phosphatidylcholine 2-acylhydrolase
UniProt Protein Name	Phospholipase A2
UniProt Gene Name	bvPLA2
UniProt Synonym Gene Names	bvPLA2
UniProt Entry Name	PA2_APIME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.