

Human Phospholipase A1 (PLA1) ELISA Kit | PLA1 elisa kit

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CATALOG #
AAA66608

REACTIVITY
Human

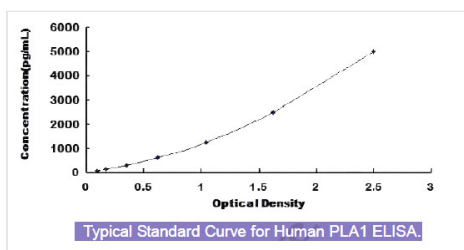
PRODUCT SYNONYMS

Phospholipase A1 (PLA1); Human Phospholipase A1 (PLA1) ELISA Kit; PLA1A; ps-PLA1; NMD; Phosphatidylserine-Specific Phospholipase A1-Alpha; PLA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PKM2. No significant cross-reactivity or interference between PKM2 and analogues was observed.
Sequence Length	440
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	29pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PKM2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PKM2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PKM2 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PKM2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PKM2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PKM2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PKM2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332688256
NCBI GeneID	51365
NCBI Accession #	NP_001193889.1
NCBI GenBank Nucleotide #	NM_001206960.1
UniProt Accession #	Q53H76; O95991; Q86WX6; Q9UPD2; B2R8V2; B4DXA2
Molecular Weight	31,285 Da
NCBI Official Full Name	phospholipase A1 member A isoform 2
NCBI Official Synonym Full Names	phospholipase A1 member A
NCBI Official Symbol	PLA1A
NCBI Official Synonym Symbols	PSPLA1; PS-PLA1
NCBI Protein Information	phospholipase A1 member A
UniProt Protein Name	Phospholipase A1 member A
UniProt Gene Name	PLA1A
UniProt Synonym Gene Names	NMD; PSPLA1; PS-PLA1

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.