

Human Phospholipase A2, Group X (PLA2G10) ELISA Kit | PLA2G10 elisa kit

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CATALOG #
AAA186407

REACTIVITY
Human

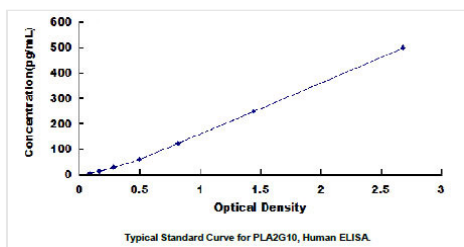
PRODUCT SYNONYMS

Phospholipase A2; Group X (PLA2G10); Human Phospholipase A2; Group X (PLA2G10) ELISA Kit; GXPLA2; GX sPLA2; sPLA2-X; Group 10 secretory phospholipase A2; Phosphatidylcholine 2-acylhydrolase 10; PLA2G10 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	165
Samples	Human Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78-5,000pg/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	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLA2G10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PKM2 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PKM2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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 #	109730371
NCBI GeneID	8399
UniProt Accession #	O15496; Q14DU3; Q6NT23
Molecular Weight	18,153 Da
NCBI Official Full Name	Phospholipase A2, group X
NCBI Official Synonym Full Names	phospholipase A2 group X
NCBI Official Symbol	PLA2G10
NCBI Official Synonym Symbols	SPLA2; GXPLA2; GXSPLA2; sPLA2-X
NCBI Protein Information	group 10 secretory phospholipase A2
UniProt Protein Name	Group 10 secretory phospholipase A2
UniProt Gene Name	PLA2G10
UniProt Synonym Gene Names	GX sPLA2; sPLA2-X

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phospholipase-a2-group-x-pla2g10/186407>