

Human Glycosylphosphatidylinositol Specific Phospholipase D1 (GPLD1) ELISA Kit | GPLD1 elisa kit

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CATALOG # AAA20490	REACTIVITY Human
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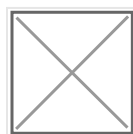
PRODUCT SYNONYMS

Glycosylphosphatidylinositol Specific Phospholipase D1 (GPLD1); Human Glycosylphosphatidylinositol Specific Phospholipase D1 (GPLD1) ELISA Kit; GPIPLD; GPIPLDM; PIGPLD; PIGPLD1; Glycoprotein phospholipase D; Glycosyl-phosphatidylinositol-specific phospholipase D; GPLD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GPLD1. No significant cross-reactivity or interference between GPLD1 and analogues was observed.
Sequence Length	176
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.35ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GPLD1 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 GPLD1 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 GPLD1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GPLD1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GPLD1. 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 GPLD1, 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 GPLD1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GPLD1 in human serum, plasma and other biological fluids.
Product Categories/Family for GPLD1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739413
NCBI GeneID	2822
UniProt Accession #	P80108; Q15127; Q15128; Q2M2F2; Q5T3Y0; Q7Z6T8; Q8TCV0; Q8WW82; Q96ID6; Q9H167; Q9H4M1; Q9UJC9
Molecular Weight	19,865 Da
NCBI Official Full Name	Glycosylphosphatidylinositol specific phospholipase D1
NCBI Official Synonym Full Names	glycosylphosphatidylinositol specific phospholipase D1
NCBI Official Symbol	GPLD1
NCBI Official Synonym Symbols	PLD; GPIPLD; PIGPLD; GPIPLDM; PIGPLD1
NCBI Protein Information	phosphatidylinositol-glycan-specific phospholipase D
UniProt Protein Name	Phosphatidylinositol-glycan-specific phospholipase D
UniProt Gene Name	GPLD1
UniProt Synonym Gene Names	PIGPLD1; PI-G PLD; GPI-PLD; GPI-specific phospholipase D
UniProt Entry Name	PHLD_HUMAN

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/glycosylphosphatidylinositol-specific-phospholipase-d1-gpld1/20490>