

Human glycosylphosphatidylinositol specific phospholipase D1 ELISA Kit | GPLD1 elisa kit

Human Phosphatidylinositol-glycan-specific phospholipase D, GPLD1 ELISA Kit

CATALOG #
AAA112526

REACTIVITY
Human

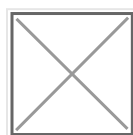
PRODUCT SYNONYMS

glycosylphosphatidylinositol specific phospholipase D1; Human Phosphatidylinositol-glycan-specific phospholipase D; GPLD1 ELISA Kit; Human Phosphatidylinositol-glycan-specific phospholipase D (GPLD1) ELISA kit; GPIPLD; GPIPLDM; MGC22590; PIGPLD; PIGPLD1; GPI-specific phospholipase D; glycoprotein phospholipase D; glycosylphosphatidylinositol-specific phospholipase D; glycosylphosphatidylinositol specific phos; GPLD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GPLD1. No significant cross-reactivity or interference between human GPLD1 and analogues was observed.
Sequence Length	840
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 ng/ml -200 ng/ml.
Sensitivity	The minimum detectable dose of human GPLD1 is typically less than 0.78 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPLD1 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GPLD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GPLD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GPLD1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GPLD1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29171717
NCBI GeneID	2822
NCBI Accession #	NP_001494.2
NCBI GenBank Nucleotide #	NM_001503.3
UniProt Accession #	P80108; Q15127; Q15128; Q2M2F2; Q5T3Y0; Q7Z6T8; Q8TCV0; Q8WW82; Q96ID6; Q9H167; Q9H4M1; Q9UJC9
Molecular Weight	92,336 Da
NCBI Official Full Name	phosphatidylinositol-glycan-specific phospholipase D
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; GPI-PLD; PI-G PLD; GPI-specific phospholipase D; glycoprotein phospholipase D; glycosylphosphatidylinositol specific phospholipase D1, isoform 2
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/gpld1-human-elisa-kits/glycosylphosphatidylinositol-specific-phospholipase-d1/112526>