

Bovine Phosphatidylinositol-glycan-specific phospholipase D ELISA Kit | GPLD1 elisa kit

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CATALOG #
AAA194289

REACTIVITY
Bovine

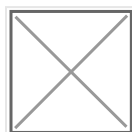
PRODUCT SYNONYMS

Phosphatidylinositol-glycan-specific phospholipase D; Bovine Phosphatidylinositol-glycan-specific phospholipase D ELISA Kit; PI-G PLD; Glycoprotein phospholipase D; Glycosyl-phosphatidylinositol-specific phospholipase D; GPI-PLD; GPI-specific; GPLD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay recognizes recombinant and natural Bovine PI-G PLD. No significant cross-reactivity or interference was observed.
Sequence Length	839
Samples	serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Assay Type	Competitive (Quantitative)
Detection Range	1.56-100 ng/mL.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPLD1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of bovine phosphatidylinositol-glycan-specific phospholipase d, PI-G PLD concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to PI-G PLD. During the reaction, PI-G PLD in the sample or standard competes with a fixed amount of biotin-labeled PI-G PLD for sites on a pre-coated Monoclonal antibody specific to PI-G PLD. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PI-G PLD in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[27807363](#)

NCBI GeneID	287025
NCBI Accession #	NP_777241.1
NCBI GenBank Nucleotide #	NM_174816.2
UniProt Accession #	P80109
Molecular Weight	92,602 Da
NCBI Official Full Name	phosphatidylinositol-glycan-specific phospholipase D
NCBI Official Symbol	GPLD1
NCBI Protein Information	phosphatidylinositol-glycan-specific phospholipase D
UniProt Protein Name	Phosphatidylinositol-glycan-specific phospholipase D
UniProt Gene Name	GPLD1
UniProt Synonym Gene Names	PIGPLD; PI-G PLD; GPI-PLD; GPI-specific phospholipase D
UniProt Entry Name	PHLD_BOVIN

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-bovine-ovine-elisa-kits/phosphatidylinositol-glycan-specific-phospholipase-d/194289>