

Rat Phospholipase D ELISA Kit | PLD elisa kit

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CATALOG #
AAA89980

REACTIVITY
Rat

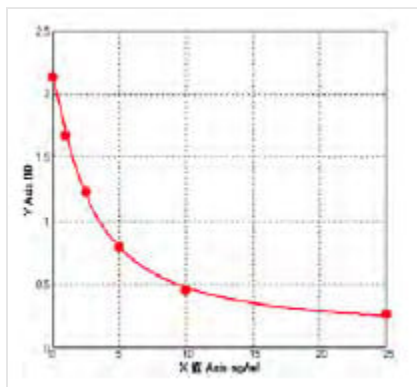
PRODUCT SYNONYMS

Phospholipase D; Rat Phospholipase D ELISA Kit; PLD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PLD. No significant cross-reactivity or interference between PLD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PLD and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLD elisa kit	Intended Uses: This PLD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PLD. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PLD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PLD antibody and an PLD-HRP conjugate. The assay sample and buffer are incubated together with PLD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PLD concentration since PLD from samples and PLD-HRP conjugate compete for the anti-PLD antibody binding site. Since the number of sites is limited, as more sites are occupied by PLD from the sample, fewer sites are left to bind PLD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLD concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PLD elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	388763
NCBI GeneID	2822
Molecular Weight	19,865 Da
NCBI Official Full Name	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/pld-rat-elisa-kits/phospholipidase-d/89980>