

Chicken Phospholipase D ELISA Kit | PLD elisa kit

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CATALOG #
AAA91811

REACTIVITY
Chicken

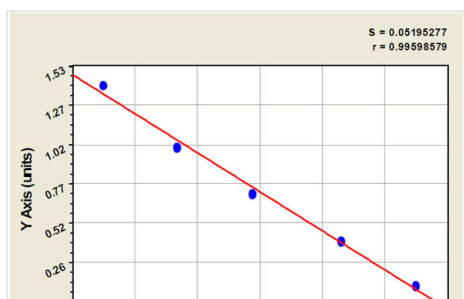
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PLD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PLD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for PLD elisa kit

Principle of the assay: PLD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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
UniProt Accession #	P80108; Q15127; Q15128; Q2M2F2; Q5T3Y0; Q7Z6T8; Q8TCV0; Q8WW82; Q96ID6; Q9H167; Q9H4M1; Q9UJC9
Molecular Weight	92,336 Da
NCBI Official Full Name	phospholipase D
NCBI Official Synonym Full Names	glycosylphosphatidylinositol specific phospholipase D1
NCBI Official Symbol	GPLD1
NCBI Official Synonym Symbols	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
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-chicken-elisa-kits/phospholipase-d/91811>