

Sheep Phospholipase C Gamma 1 ELISA Kit | PLCg1 elisa kit

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CATALOG #
AAA92031

REACTIVITY
Sheep

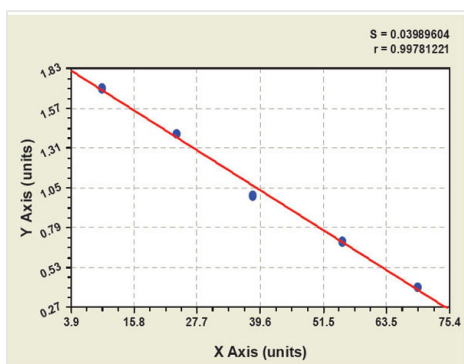
PRODUCT SYNONYMS

Phospholipase C Gamma 1; Sheep Phospholipase C Gamma 1 ELISA Kit; PLCg1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PLCg1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PLCg1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLCg1 elisa kit

Principle of the assay: PLCg1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PLCg1 antibody and an PLCg1-HRP conjugate. The assay sample and buffer are incubated together with PLCg1-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 PLCg1 concentration since PLCg1 from samples and PLCg1-HRP conjugate compete for the anti-PLCg1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PLCg1 from the sample, fewer sites are left to bind PLCg1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLCg1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PLCg1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	3336979
UniProt Accession #	P19174; Q2V575; B7ZLY7; B9EGH4; E1P5W4
Molecular Weight	148,660 Da
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
UniProt Gene Name	PLCG1
UniProt Synonym Gene Names	PLC1; PLC-II; PLC-gamma-1
UniProt Entry Name	PLCG1_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/plcg1-sheep-elisa-kits/phospholipase-c-gamma-1/92031>