

Human Phospholipase C gamma1 ELISA Kit | PLCgamma1 elisa kit

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CATALOG #
AAA85604

REACTIVITY
Human

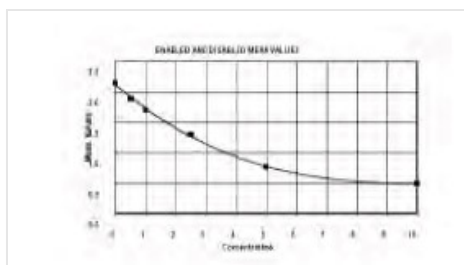
PRODUCT SYNONYMS

Phospholipase C gamma1; Human Phospholipase C gamma1 ELISA Kit; Phospholipase C y1; Phospholipase C gamma1 (Human); PLCgamma1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLCgamma1 elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This PLCG1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PLCG1 in the sample, this PLCG1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PLCG1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoassay for the quantitative measurement of PLCG1 utilizes 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. Standards of known PLCG1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of PLCG1. The PLCG1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PLCgamma1 elisa kit

[Human ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	117616626
NCBI Official Full Name	phospholipase C-gamma1

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/plcgamma1-human-elisa-kits/phospholipase-c-gamma1/85604>