

Human 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1 ELISA Kit | PLCG1 elisa kit

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CATALOG #
AAA194741

REACTIVITY
Human

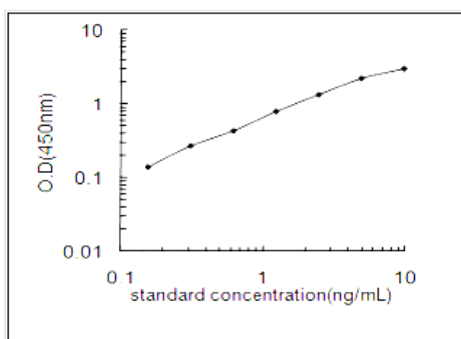
PRODUCT SYNONYMS

1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase gamma-1; Human 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase gamma-1 ELISA Kit; PLC-148; Phosphoinositide phospholipase C-gamma-1; Phospholipase C-II; PLC-II; Phospholipase C-gamma-1; PLCG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1. No significant cross-reactivity or interference was observed.
Sequence Length	1291
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.1ng/mL
Intra-Assay CV	<=5.7%
Inter-Assay CV	<=8.3%
Recovery	101%
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 PLCG1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33598948
NCBI GeneID	5335
NCBI Accession #	NP_002651.2
NCBI GenBank Nucleotide #	NM_002660.2
UniProt Accession #	P19174; Q2V575; B7ZLY7; B9EGH4; E1P5W4
Molecular Weight	148,660 Da
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 isoform a
NCBI Official Synonym Full Names	phospholipase C gamma 1
NCBI Official Symbol	PLCG1
NCBI Official Synonym Symbols	PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
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-human-elisa-kits/1-phosphatidylinositol-45-bisphosphate-phosphodiesterase-gamma-1/194741>