

Human 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-1 ELISA Kit | PLCB1 elisa kit

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CATALOG # AAA57250	REACTIVITY Human
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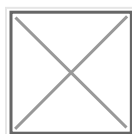
PRODUCT SYNONYMS

1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase beta-1; Human 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase beta-1 ELISA Kit; PLC-154; Phosphoinositide phospholipase C-beta-1; Phospholipase C-I; PLC-I; Phospholipase C-beta-1; PLC-beta-1; PLCB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Recombinant and natural Human PLCB1
Sequence Length	1216
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	< 0.145 ng/mL
Intra-assay Precision	<=4.7%
Inter-assay Precision	<=8.1%
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 PLCB1 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then 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 target antigen, 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 $\pm$ 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12083581
NCBI GeneID	23236
NCBI Accession #	NP_056007.1
NCBI GenBank Nucleotide #	NM_015192.3
UniProt Accession #	Q9NQ66; O60325; Q17RQ6; Q5TFF7; Q5TGC9; Q8IV93; Q9BQW2; Q9H4H2; Q9H8H5; Q9NQ65; D3DW12; D3DW13
Molecular Weight	133,703 Da
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1 isoform a
NCBI Official Synonym Full Names	phospholipase C beta 1
NCBI Official Symbol	PLCB1
NCBI Official Synonym Symbols	PLC-I; EIEE12; PI-PLC; PLC154; PLCB1A; PLCB1B; PLC-154; PLC-beta-1
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1
UniProt Gene Name	PLCB1
UniProt Synonym Gene Names	KIAA0581; PLC-I; PLC-beta-1
UniProt Entry Name	PLCB1_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/plcb1-human-elisa-kits/1-phosphatidylinositol-45-bisphosphate-phosphodiesterase-beta-1/57250>