

Datasheet for ABIN6730786

**Phospholipase C gamma 1 ELISA Kit****3** Images[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	Phospholipase C gamma 1 (PLCG1)
Reactivity:	Human, Mouse, Rat
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Human, Mouse and Rat Phospho-PLCG1 (Tyr771) and Total PLCG1 ELISA Kit. This assay semi-quantitatively measures phosphorylated PLCG1 (Tyr771) and Total PLCG1 in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human, Mouse, and Rat PLCG1 (Tyr771)
Characteristics:	<ul style="list-style-type: none"><li>• Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)</li><li>• Screen numerous different cell lysates without performing a Western Blot analysis</li><li>• Minimal hands-on time, convenient, and non-radioactive material</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Anti-Phospho Antibody</li><li>• Anti-Pan Antibody</li><li>• HRP-Conjugated Secondary Antibody</li></ul>

## Product Details

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- Streptavidin-Conjugated HRP
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

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### Material not included:

- Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2  $\mu$ L to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- Benchtop rocker or shaker
- Microplate reader capable of measuring absorbance at 450 nm

## Target Details

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Target: Phospholipase C gamma 1 (PLCG1)

Alternative Name: PLCG1 ([PLCG1 Products](#))

Gene ID: 5335

Pathways: [RTK Signaling](#), [WNT Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [Inositol Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Skeletal Muscle Fiber Development](#), [G-protein mediated Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Interaction of EGFR with phospholipase C-gamma](#), [VEGFR1 Specific Signals](#), [VEGF Signaling](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Protocol:

1. Prepare all reagents and samples as instructed in the manual.
2. Add 100  $\mu$ L of sample or positive control to each well.
3. Incubate 2.5 h at RT or O/N at 4  $^{\circ}$ C.
4. Add 100  $\mu$ L of prepared primary antibody to each well.
5. Incubate 1 h at RT.
6. Add 100  $\mu$ L of prepared 1X HRP-Streptavidin to each well.

## Application Details

7. Incubate 1 h at RT.
8. Add 100  $\mu$ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50  $\mu$ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

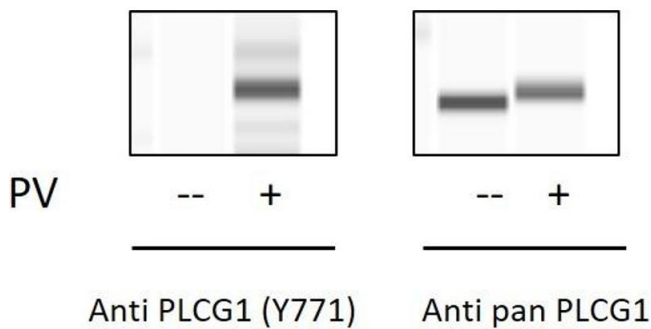
## Handling

Storage: -20 °C

Storage Comment: Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

Expiry Date: 6 months

## Images

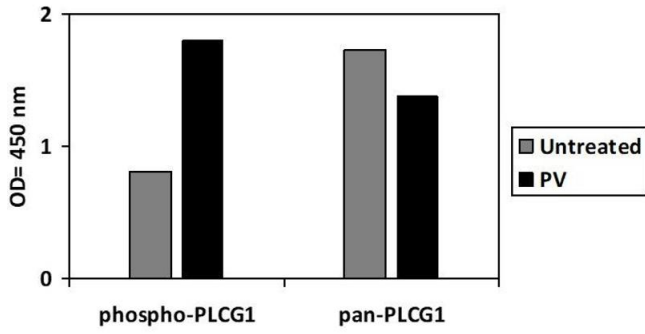


### Western Blotting

**Image 1.** Pervanadate (PV) Stimulation of Jurkat Cell Line

ELISA

**Image 2.** Pervanadate (PV) Stimulation of Jurkat Cell Line



ELISA

**Image 3.** Jurkat cells were treated with Pervanadate. Solubilize cells at  $4 \times 10^7$  cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.

