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Phospholipase C gamma 2 ELISA Kit



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Quantity:	96 tests
Target:	Phospholipase C gamma 2 (PLCG2)
Binding Specificity:	pTyr753, total
Reactivity:	Human, Mouse
Method Type:	Sandwich ELISA
Application:	ELISA
Product Details	
Purpose:	Human and Mouse Phospho-PLCG2 (Tyr753) and Total PLCG2 ELISA Kit. This assay semi-quantitatively measures phophorylated PLCG2 (Tyr753) and Total PLCG2 in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human and Mouse PLCG2 phosphorylated at site Tyrosine-753 as well as total PLCG2.
Characteristics:	 Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose) Screen numerous different cell lysates without performing a Western Blot analysis Minimal hands-on time, convenient, and non-radioactive material
Components:	Pre-Coated 96-well Strip MicroplateWash Buffer

Product Details

- · Anti-Phospho Antibody
- · Anti-Pan Antibody
- · HRP-Conjugated Secondary Antibody
- · Streptavidin-Conjugated HRP
- · Assay Diluent
- · TMB One-Step Substrate
- · Stop Solution
- · Lysis Buffer
- · Positive Control Sample

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 µL 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

Target:	Phospholipase C gamma 2 (PLCG2)
Alternative Name:	PLCG2 (PLCG2 Products)
Gene ID:	5336
UniProt:	P16885, Q8CIH5
Pathways:	RTK Signaling, WNT Signaling, Fc-epsilon Receptor Signaling Pathway, Inositol Metabolic Process, Myometrial Relaxation and Contraction, Toll-Like Receptors Cascades, VEGF Signaling , BCR Signaling

Application Details

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents and samples as instructed in the manual.
	2. Add 100 µL of sample or positive control to each well.
	3. Incubate 2.5 h at RT or O/N at 4 °C.
	4. Add 100 μL of prepared primary antibody to each well.
	5. Incubate 1 h at RT.

Application Details

	6. Add 100 μL of prepared 1X HRP-Streptavidin to each well.
	7. Incubate 1 h at RT.
	8. Add 100 μL of TMB One-Step Substrate Reagent to each well.
	9. Incubate 30 min at RT.
	10. Add 50 μL 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