

## 12-4208: Phospho-PLCg1 (Tyr783) (Clone: C4) rabbit mAb APC conjugate

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PLCG1Y783-C4
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human, Mouse
<b>Conjugate :</b>	APC
<b>Format :</b>	Conjugated
<b>Alternative Name :</b>	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1, PLC-148, Phosphoinositide phospholipase C-gamma-1, Phospholipase C-II, Phospholipase C-gamma-1, PLC-gamma-1, PLC1
<b>Isotype :</b>	Rabbit IgG1k
<b>Immunogen Information :</b>	A synthetic phospho-peptide corresponding to residues surrounding Tyr783 of human phospho PLCg1.

### Description

The Phospholipase C (PLC) isozymes hydrolyze phosphatidyl inositolphosphate to inositol triphosphate and diacylglycerol. In response to extracellular stimuli such as hormones, growth factors and neurotransmitters, PLC hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP<sub>2</sub>) to generate diacylglycerols (DAGs) and water-soluble phosphorylated derivatives, such as inositol 1,4,5-triphosphate (IP<sub>3</sub>). Within the PLC family, PLCg is the only member that contains SH2 and SH3 domains, necessary for phospho PLCg activation. Phospho PLCg, upon activation, can interact with receptor tyrosine kinases.

### Product Info

<b>Amount :</b>	10 Tests / 100 Tests
<b>Content :</b>	1X PBS, 0.09% NaN <sub>3</sub> , 0.2% BSA
<b>Storage condition :</b>	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

### Application Note

For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ L per million cells or 5  $\mu$ L per 100  $\mu$ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

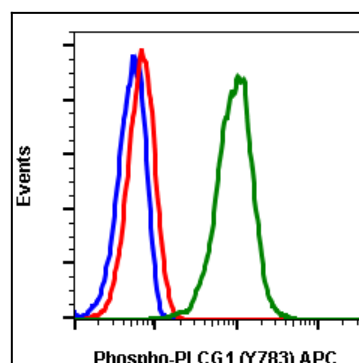


Fig-1: Flow cytometric analysis of HeLa cells secondary antibody only negative control (blue) or treated with imatinib (red) or with pervanadate (green) using Phospho-PLCg1 (Tyr783) APC-conjugated antibody PLCg1Y783-C4.