

## 12-4098: Phospho-PLCg1 (Tyr783) (Clone: C4) rabbit mAb FITC conjugate

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PLCG1Y783-C4
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<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 (PIP2) to generate diacylglycerols (DAGs) and water-soluble phosphorylated derivatives, such as inositol 1,4,5-triphosphate (IP3). 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.

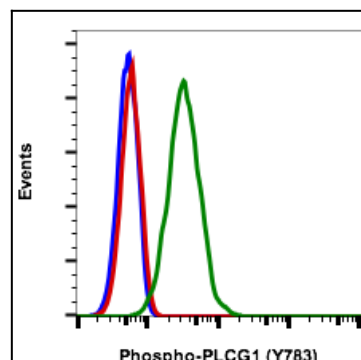


Fig-1: Flow cytometric analysis of HeLa cells unstained imatinib treated cells (blue) or stained treated with imatinib (red) or with pervanadate (green) using phospho-PLCg1 (Tyr783) antibody PLCg1Y783-C4 FITC conjugate.