

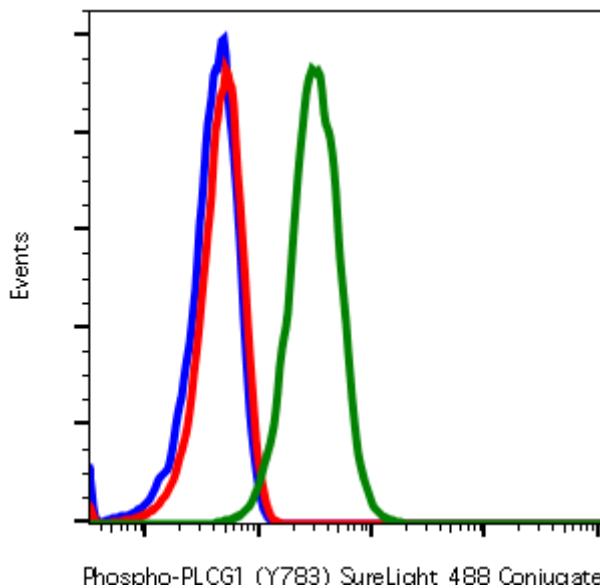
Catalog: #2205

Store at: 2-8°C

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGk

Format:	SureLight 488
Cross Reactivity:	Predicted to work with mouse, rat, and other homologues.
Formulation:	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Preparation:	Protein A+G
Reactivity:	Human, Mouse
Recommended Usage:	For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Tyr783 of human phospho PLC γ 1
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, PLC γ is the only member that contains SH2 and SH3 domains, necessary for phospho PLC γ activation. Phospho PLC γ , upon activation, can interact with receptor tyrosine kinases.
References:	<ol style="list-style-type: none"> 1. Singer, W.D. et al. (1997) Annu. Rev. Biochem. 66, 475-509. 2. Hernandez D, et al. (1994) Genomics 23 (2): 504-507. 3. Smrcka, A.V. et al. (1991) Science 251, 804-807. 4. Taylor, S.J. et al. (1991) Nature 350, 516-518.



Flow cytometric analysis of HeLa cells unstained imatinib treated cells (blue) or stained treated with imatinib (red) or with pervanadate (green) using phospho-PLC γ 1 (Tyr783) antibody using PLC γ 1Y783-C4 SureLight488 conjugate. Cat. #2205.