Store at +4C **Cell Signaling** Phospho-PLCy1 (Ser1248) (D25Å9) Rabbit mAb (PE TECHNOLOGY® Conjugate) Orders: 877-616-CELL (2355) orders@cellsignal.com 49 Support: 877-678-TECH (8324) Web: info@cellsignal.com cellsignal.com 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: React FC-FP H M		burce/Isotype: Rabbit IgG	UniProt ID: #P19174	Entrez-Gene Id: 5335
Product Usage Information	Application Flow Cytometry (Fixed/Pe	rmeabilized)		Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.			
Specificity / Sensitivity	Phospho-PLCγ1 (Ser1248) (D25A9) Rabbit mAb (PE Conjugate) recognizes endogenous levels of PLCγ1 protein only when phosphorylated at Ser1248.			us levels of PLCy1
Species predicted to react based on 100% sequence homology:	Rat			
Source / Purification	Monoclonal antibody is pro residues surrounding Ser12		nals with a synthetic peptide corres vin.	sponding to
Product Description	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Phospho-PLCy1 (Ser1248) (D25A9) Rabbit mAb #8713.			
Background	response to extracellular sti hydrolyzes phosphatidylino 1,4,5-triphosphate (IP ₃) and PLCβ, PLCγ, PLCδ, and PL PLC. PLCγ is activated by I EGF and PDGF receptors, Phosphorylation by Syk at	imuli, such as hormones, g sitol 4,5-bisphosphate (PIF d diacylglycerol (DAG) (1). .Cε. Phosphorylation is on both receptor and non-rece which leads to the phosph Tyr783 activates the enzyn g in B cells and collagen-d	ys a significant role in transmembr growth factors, and neurotransmitter P_2) to generate two secondary mean At least four families of PLCs have e of the key mechanisms that regu- eptor tyrosine kinases (2). PLCy for orylation of PLCy at Tyr771, 783, a natic activity of PLCy1 (4). PLCy2 lependent signaling in platelets. Plead with PLCy2 activity (5,6).	ers, PLC ssengers: inositol e been identified: ulate the activity of rrms a complex with and 1248 (3). is engaged in
Background References	 Singer, W.D. et al. (1997) Margolis, B. et al. (1989) Kim, H.K. et al. (1991) Co Wang, Z. et al. (1998) Mo Watanabe, D. et al. (2002) Ozdener, F. et al. (2002) 	Cell 57, 1101-7. ell 65, 435-41. ol Cell Biol 18, 590-7. 1) J Biol Chem 276, 38595	i-601.	
Species Reactivity	Species reactivity is determi	ned by testing in at least o	ne approved application (e.g., wes	stern blot).
Applications Key	FC-FP: Flow Cytometry (Fix	xed/Permeabilized)		
Cross-Reactivity Key		bovine Dg: dog Pg: pig S	Vir: virus Mi: mink C: chicken Dm c: S. cerevisiae Ce: C. elegans Hr	

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1/24, 1:06 PM	Phospho-PLCY1 (Ser1248) (D25A9) Rabbit MAb (PE Conjugate) (#13349) Datasneet Without Images Cell S
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