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Phospho-SLP-76 (Ser376) (D7S1K) Rabbit mAb (Alexa Fluor[®] 647 Conjugate)



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

Applications: Reactive FC-FP H	vity: Sensitivity: Source/Isotype: Endogenous Rabbit IgG	UniProt ID:Entrez-Gene Id:#Q130943937
Product Usage Information	Application Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 antibody. Protect from light. Do not freeze.	
Specificity / Sensitivity	Phospho-SLP-76 (Ser376) (D7S1K) XP [®] Rabbit mAb (Alexa I endogenous levels of SLP-76 protein only when phosphorylat Clone E3G9U is more sensitive by flow cytometry than clone	red at Ser376.
Source / Purification	Monoclonal antibody is produced by immunizing animals with residues surrounding Ser376 of human SLP-76 protein.	a synthetic phosphopeptide corresponding to
Product Description	This Cell Signaling Technology antibody is conjugated to Alex house for direct flow cytometric analysis in human cells. This species cross-reactivity as the unconjugated Phospho-SLP-76 #92711.	antibody is expected to exhibit the same
Background	SH2 domain-containing leukocyte protein of 76 kDa (SLP-76) important in multiple biochemical signaling pathways and next (1). ZAP-70 phosphorylates SLP-76 and LAT as a result of TC tyrosine residues followed by a proline-rich domain and a carb of Tyr113 and Tyr128 result in recruitment of the GEF Vav and also leads to phosphorylation of Tyr145, which mediates an at accomplished in part via the proline-rich domain of SLP-76 and proline-rich domain of SLP-76 binds to the SH3 domains of G SLP-76 is predominantly in the cytosol. Upon TCR ligation, SI and promotes the assembly of a multi-protein signaling compl The expression of SLP-76 is tightly regulated; the protein is de development, increases as thymocyte maturation progresses, CD8 ⁺ double-positive thymocytes (5).	essary for T cell development and activation CR ligation. SLP-76 has amino-terminal boxy-terminal SH2 domain. Phosphorylation d the adaptor protein Nck (2). TCR ligation ssociation between SLP-76 and Itk, which is ad the SH3 domain of Itk (3). Furthermore, the rb2-like adaptor Gads (3,4). In resting cells, LP-76 translocates to the plasma membrane lex that includes Vav, Nck, Itk, and PLCy1 (1). etected at very early stages of thymocyte
Background References	 Clements, J.L. (2003) <i>Immunol Rev</i> 191, 211-9. Bubeck Wardenburg, J. et al. (1998) <i>Immunity</i> 9, 607-16. Bunnell, S.C. et al. (2000) <i>J Biol Chem</i> 275, 2219-30. Liu, S.K. et al. (1999) <i>Curr Biol</i> 9, 67-75. Clements, J.L. et al. (1998) <i>J Immunol</i> 161, 3880-9. 	
Species Reactivity	Species reactivity is determined by testing in at least one appro	oved application (e.g., western blot).
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: viru X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cere GP: Guinea Pig Rab: rabbit All: all species expected 	5
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Phospho-SLP-76 (Ser376) (D7S1K) Rabbit mAb (Alexa Fluor® 647 Conjugate) (#40887) Datasheet Without I...

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