

#81965
Store at +4C**Bcl-xL (54H6) Rabbit mAb (PE-Cy7[®] Conjugate)**
Orders: 877-616-CELL (2355)
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Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
FC-FP	H M R Mk	Endogenous	Rabbit IgG	#Q07817	598
Product Usage Information	Application				Dilution
	Flow Cytometry (Fixed/Permeabilized)				1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. <i>Do not aliquot the antibody. Protect from light. Do not freeze.</i>				
Specificity/Sensitivity	Bcl-xL (54H6) Rabbit mAb (PE-Cy7 [®] Conjugate) detects endogenous levels of total Bcl-xL protein. The antibody does not cross-react with other Bcl-2 family members.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp61 of human Bcl-xL protein.				
Description	This Cell Signaling Technology antibody is conjugated to phycoerythrin in combination with cyanine 7 (PE-Cy7 [®]) and tested in-house for direct flow cytometric analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated Bcl-xL (54H6) Rabbit mAb #2764.				
Background	Bcl-xL prevents apoptosis through two different mechanisms: heterodimerization with an apoptotic protein inhibits its apoptotic effect (1,2) and formation of mitochondrial outer membrane pores help maintain a normal membrane state under stressful conditions (3). Bcl-xL is phosphorylated by JNK following treatment with microtubule-damaging agents, such as paclitaxel, vinblastine, and nocodazole (4,5).				
Background References	<ol style="list-style-type: none"> Adams, J.M. and Cory, S. (1998) <i>Science</i> 281, 1322-6. Minn, A.J. et al. (1999) <i>EMBO J</i> 18, 632-43. Vander Heiden, M.G. et al. (2001) <i>J Biol Chem</i> 276, 19414-9. Fan, M. et al. (2000) <i>J Biol Chem</i> 275, 29980-5. Poruchynsky, M.S. et al. (1998) <i>Cancer Res</i> 58, 3331-8. 				

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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