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TNFRSF17/BCMA (E6D7B) Rabbit mAb (PE Conjugate)



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

Applications: FC-FP	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #Q02223	Entrez-Gene Id: 608
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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 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.	
Specificity / Sensitivity	TNFRSF17/BCMA (E6D7B) Rabbit mAb (PE Conjugate) recognizes endogenous levels of total TNFRSF17/BCMA protein. This antibody displays some non-specific staining of peripheral and CNS tissue when used for IHC-P.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu115 of human TNFRSF17/BCMA protein.	
Product Description	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) 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 TNFRSF17/BCMA (E6D7B) Rabbit mAb #88183.	
Background	B cell maturation antigen (BCMA/TNFRSF17/CD269) is a transmembrane glycoprotein and member of the TNFR superfamily (1). BCMA expression is largely restricted to the B cell lineage. Pro-survival signaling through this receptor plays a pivotal role in humoral immunity by regulating B cell maturation and plasma cell differentiation upon binding its ligands, BAFF and APRIL (2-6). BCMA is expressed in a number of B cell malignancies and has garnered much attention as a novel therapeutic target for the treatment of multiple myeloma due to its selective and elevated expression on the cell surface of malignant plasma cells (7-10).	
Background References	<ol style="list-style-type: none"> 1. Madry, C. et al. (1998) <i>Int Immunol</i> 10, 1693-702. 2. Chiu, A. et al. (2007) <i>Blood</i> 109, 729-39. 3. Avery, D.T. et al. (2003) <i>J Clin Invest</i> 112, 286-97. 4. O'Connor, B.P. et al. (2004) <i>J Exp Med</i> 199, 91-8. 5. Darce, J.R. et al. (2007) <i>J Immunol</i> 178, 5612-22. 6. Xu, S. and Lam, K.P. (2001) <i>Mol Cell Biol</i> 21, 4067-74. 7. Carpenter, R.O. et al. (2013) <i>Clin Cancer Res</i> 19, 2048-60. 8. Tai, Y.T. et al. (2006) <i>Cancer Res</i> 66, 6675-82. 9. Moreaux, J. et al. (2004) <i>Blood</i> 103, 3148-57. 10. Tai, Y.T. et al. (2014) <i>Blood</i> 123, 3128-38. 	

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 Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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