

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

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

Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
FC-FP	H	Endogenous	Rabbit IgG	#Q02223	608

**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.

**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**

1. Madry, C. et al. (1998) *Int Immunol* 10, 1693-702.
2. Chiu, A. et al. (2007) *Blood* 109, 729-39.
3. Avery, D.T. et al. (2003) *J Clin Invest* 112, 286-97.
4. O'Connor, B.P. et al. (2004) *J Exp Med* 199, 91-8.
5. Darce, J.R. et al. (2007) *J Immunol* 178, 5612-22.
6. Xu, S. and Lam, K.P. (2001) *Mol Cell Biol* 21, 4067-74.
7. Carpenter, R.O. et al. (2013) *Clin Cancer Res* 19, 2048-60.
8. Tai, Y.T. et al. (2006) *Cancer Res* 66, 6675-82.
9. Moreaux, J. et al. (2004) *Blood* 103, 3148-57.
10. Tai, Y.T. et al. (2014) *Blood* 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

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