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#88183**TNFRSF17/BCMA (E6D7B) Rabbit mAb**

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

<b>Applications:</b> W, IP, IHC-Bond, IHC-P, FC-FP	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 18-30	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q02223	<b>Entrez-Gene Id:</b> 608
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**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation  
IHC Leica Bond  
Immunohistochemistry (Paraffin)  
Flow Cytometry (Fixed/Permeabilized)

**Dilution**

1:8000  
1:800  
1:150 - 1:600  
1:300 - 1:1200  
1:1600 - 1:6400

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier-free (BSA and azide free) version of this product see product #84031.

**Specificity/Sensitivity**

TNFRSF17/BCMA (E6D7B) Rabbit mAb 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.

**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).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation **IHC-Bond:** IHC Leica Bond **IHC-P:** Immunohistochemistry (Paraffin) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

**Cross-Reactivity Key**

**H:** Human

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