

#88183 Store at -20°C

TNFRSF17/BCMA (E6D7B) Rabbit mAb



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP, IHC-Bond, IHC-P, FC-FP	H	Endogenous	18-30	Rabbit IgG	#Q02223	608

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

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

WB: Western Blotting **IP:** Immunoprecipitation **IHC-Bond:** IHC Leica Bond
IHC-P: Immunohistochemistry (Paraffin) **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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