



TNFSF13 Polyclonal Antibody

E91237

Catalog Number: E91237**Amount:** 100ul

Background: BAFF, a member of the TNF superfamily of proteins, is a homotrimeric transmembrane protein, which is cleaved to produce a soluble cytokine (1). BAFF may also further oligomerize into 60-mer structures (1). BAFF is expressed by neutrophils, macrophages, dendritic cells, activated T cells, and epithelial cells (1,2). BAFF plays a key role in B cell development, survival, and activation (1,3,4). BAFF binds to three distinct receptors, BAFF-R, TACI, and BCMA (1). These receptors are differentially expressed during B cell development and among B cell subsets (1,2,4). While BAFF-R and BCMA bind to the homotrimeric form of BAFF, TACI only binds to membrane bound or higher order BAFF structures (1). The BAFF/ BAFF-R interaction activates both canonical and non-canonical NF- κ B pathways, PI3K/Akt, and mTOR (2,4). Activation of the noncanonical NF- κ B pathway via BAFF-R is negatively regulated by TRAF3 (5). Elevated levels of BAFF may exacerbate many autoimmune disorders, making it an attractive therapeutic target (2).

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: TNFSF13;APRIL;CD256;TALL2;TRDL-1;UNQ383/PRO715;ligand ;

Immunogen: Recombinant protein of human TNFSF13

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 27kDa

Swiss-Prot No. : O75888

Gene ID: 8741

References: 1. Mackay, F. and Schneider, P. (2009) Nat Rev Immunol 9, 491-502. 2. Moisini, I. and Davidson, A. (2009) Clin Exp Immunol 158, 155-63. 3. Schiemann, B. et al. (2001) Science 293, 2111-4. 4. Khan, W.N. (2009) J Immunol 183, 3561-7. 5. Gardam, S. et al. (2008) Immunity 28, 391-401.

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