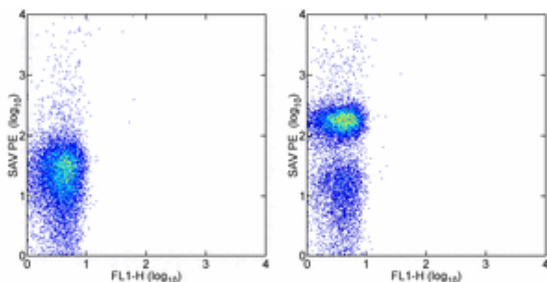


## Anti-Mouse CD268 (BAFF Receptor) Purified

Catalog Number: 14-5943

Also Known As: BAFFR, BAFF-R, TNFRSF13C, BCMD, BR3, BlySR4

RUO: For Research Use Only



Staining of BALB/c splenocytes with 0.5  $\mu$ g of Rat IgG1  $\kappa$  Isotype Control Purified (cat. 14-4301) (left) or 0.5  $\mu$ g of Anti-Mouse CD268 (BAFF Receptor) Purified (right) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Cells in the lymphocyte gate were used for analysis.

### Product Information

Contents: Anti-Mouse CD268 (BAFF Receptor) Purified


**REF** Catalog Number: 14-5943

Clone: eBio7H22-E16

Concentration: 0.5 mg/ml


Host/Isotype: Rat IgG1,  $\kappa$

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

The monoclonal antibody eBio7H22.E16 reacts with mouse BAFF-Receptor, a type III transmembrane TNF receptor family member. BAFF-R was found to be the predominant BAFF receptor expressed on peripheral B cells, in both humans and mice. The receptor is found on the surface of all B220+ B cells found in spleen. BAFF-R is expressed on activated/memory subsets of T-cells and is important for splenic B cell maturation and survival and is a major mediator of BAFF- dependent costimulatory responses in peripheral B and T cells. BAFF-R can cause a high level of autoimmune disease and a defect in BAFF-R will cause a decrease in generating mature B-Cells The ligand for the BAFF-R is BAFF also known as BlyS.

### Applications Reported

This eBio7H22-E16 antibody has been reported for use in flow cytometric analysis, and immunoblotting (WB) under reducing conditions.

### Applications Tested

This eBio7H22-E16 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1.0  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Ng LG, Ng CH, Woehl B, Sutherland AP, Huo J, Xu S, Mackay F, Lam KP. BAFF costimulation of Toll-like receptor-activated B-1 cells. *Eur J Immunol.* 2006 Jul;36(7):1837-46. (7H22-E16, FC Pubmed)

Ng LG, Sutherland AP, Newton R, Qian F, Cachero TG, Scott ML, Thompson JS, Wheway J, Chtanova T, Groom J, Sutton IJ, Xin C, Tangye SG, Kalled SL, Mackay F, Mackay CR. B cell-activating factor belonging to the TNF family (BAFF)-R is the principal BAFF receptor facilitating BAFF costimulation of circulating T and B cells. *J Immunol.* 2004 Jul 15;173(2):807-17. (7H22-E16, FC PubMed)

Thompson JS, Bixler SA, Qian F, Vora K, Scott ML, Cachero TG, Hession C, Schneider P, Sizing ID, Mullen C, Strauch K, Zafari M, Benjamin CD, Tschopp J, Browning JL, Ambrose C. BAFF-R, a newly identified TNF receptor that specifically interacts with BAFF. *Science.* 2001 Sep 14;293(5537):2108-11

### Related Products

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4301 Rat IgG1 K Isotype Control Purified  
17-4317 Streptavidin APC

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