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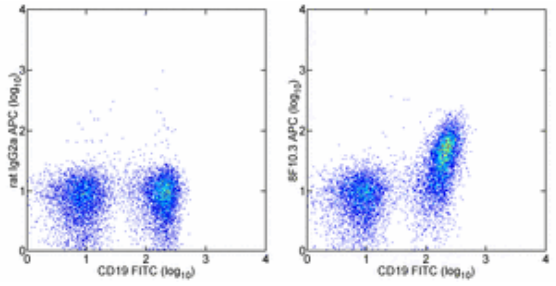
Anti-Mouse CD267 (TACI) APC

Catalog Number: 17-5942
Also Known As:TNFRSF13B
RUO: For Research Use Only



Staining of C57BL/6 bone marrow cells with Anti-Mouse CD19 FITC (cat. 11-0193) and 0.125 µg of Rat IgG2a κ Isotype Control APC (cat. 17-4321) (left) or 0.125 µg of Anti-Mouse CD267 (TACI) APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD267 (TACI) APC
REF Catalog Number: 17-5942
Clone: ebio8F10-3
Concentration: 0.2 mg/mL
Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The monoclonal antibody eBio8F10.3 recognizes TACI (Transmembrane Activator and Calcium-modulator and CAML Interactor) also known as CD267. TACI is a type III membrane protein belonging to the TNF receptor superfamily. The ligand for TACI has been shown to be BAFF (BLyS) and APRIL. TACI is expressed on the surface of a subset of maturing splenic B cells of the transitional type termed T2. Genetic studies have shown a role for TACI in both stimulation and inhibition of B cell proliferation. This actual role for TACI in the mouse has still not been determined. Recently human TACI has been shown to have repressive activities which inhibit BAFF-R function.

Applications Reported

This ebio8F10-3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This ebio8F10-3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. 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

Batten M, Fletcher C, Ng LG, Groom J, Wheway J, Laabi Y, Xin X, Schneider P, Tschopp J, Mackay CR, Mackay F. TNF deficiency fails to protect BAFF transgenic mice against autoimmunity and reveals a predisposition to B cell lymphoma. J Immunol. 2004 Jan 15;172(2):812-22 (8F10-3, PubMed)

Diaz-de-Durana Y, Mantchev GT, Bram RJ, Franco A. TACI-BLyS signaling via B-cell-dendritic cell cooperation is required for naive CD8+ T-cell priming in vivo. Blood. 2006 Jan 15;107(2):594-601. Epub 2005 Sep 29. (8F10-3, 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 (8F10-3, PubMed).

Related Products

11-5943 Anti-Mouse CD268 (BAFF Receptor) FITC (eBio7H22-E16)
12-0193 Anti-Mouse CD19 PE (eBio1D3 (1D3))
17-4321 Rat IgG2a K Isotype Control APC

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