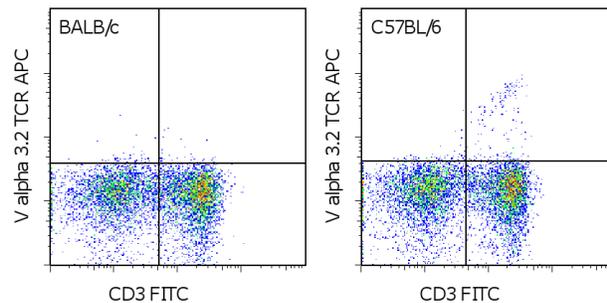


Anti-Mouse V alpha 3.2 TCR APC

Catalog Number: 17-5799

Also known as: Valpha3.2, Va3.2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c (left) and C57BL/6 (right) lymph node cells with Anti-Mouse CD3e FITC (cat. 11-0031) and 0.125 μ g of Anti-Mouse V alpha 3.2 TCR APC. Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Mouse V alpha 3.2 TCR APC

Catalog Number: 17-5799

Clone: RR3-16

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, kappa



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.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This RR3-16 monoclonal antibody reacts with the mouse T cell receptor (TCR) V alpha 3.2 chain. Composed of an alpha and beta chain, TCR specificity is typically determined by Va, Ja, Vb, Db, and Jb gene rearrangement. The RR3-16 antibody recognizes the V alpha 3.2 chain on T cells from mouse strains bearing the *b* (e.g., C57BL/6) or *c* haplotype (e.g., SJL, SWR, and NOD) in the *Tcra* gene complex. The V alpha 3.2 chain is absent in mice with the *a* (e.g., Balb/c, AKR, C3H) and *d* (e.g., DBA/1 and DBA/2) haplotypes. Studies demonstrate that the V alpha 3.2 TCR is more highly expressed on CD8+ T cells.

Applications Reported

This RR3-16 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This RR3-16 antibody has been tested by flow cytometric analysis of mouse lymph node. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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

Richman SA, Aggen DH, Dossett ML, Donermeyer DL, Allen PM, Greenberg PD, Kranz DM. Structural features of T cell receptor variable regions that enhance domain stability and enable expression as single-chain ValphaVbeta fragments. *Mol Immunol.* 2009 Feb;46(5):902-16. (**RR3-16**, FC)

Utsunomiya Y, Bill J, Palmer E, Gollob K, Takagaki Y, Kanagawa O. Analysis of a monoclonal rat antibody directed to the alpha-chain variable region (V alpha 3) of the mouse T cell antigen receptor. *J Immunol.* 1989 Oct 15;143(8):2602-8. (**RR3-16**, FC)

Related Products

11-0031 Anti-Mouse CD3e FITC (145-2C11)

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