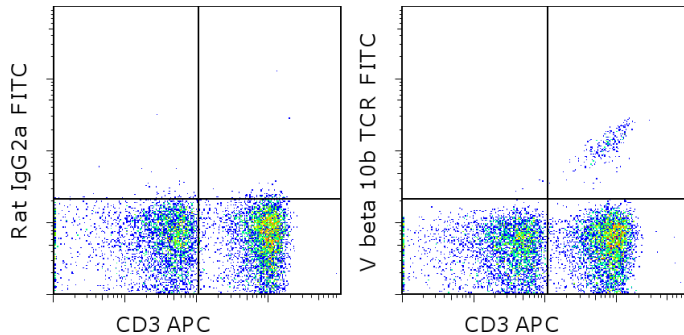


Anti-Mouse V beta 10b TCR FITC

Catalog Number: 11-5805

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



Staining of C57BL/6 lymph node cells with Anti-Mouse CD3e APC (cat. 17-0031) and 0.06 ug of Rat IgG2a kappa Isotype Control FITC (cat. 11-4321) (left) or 0.06 ug of Anti-Mouse V beta 10b TCR FITC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse V beta 10b TCR FITC
Catalog Number: 11-5805
Clone: B21.5
Concentration: 0.5 mg/mL
Host/Isotype: Rat IgG2a, lambda



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

The B21.5 monoclonal antibody reacts with the V β 10 T-Cell Receptor (TCR) in mice of the β haplotype of the *Tcrb* gene complex, which includes AKR, BALB/c, CBA, C3H/He, C57BL, DBA/1 and DBA/2 mice. It does not react with mice having the *a* or *b* *Tcrb* haplotype, including C57BR, C57L or SJL mice.

Applications Reported

This B21.5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This B21.5 antibody has been tested by flow cytometric analysis of mouse lymph node cells. This can be used at less than or equal to 0.125 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Necker A, Rebai N, Matthes M, Jouvin-Marche E, Cazenave PA, Swarnworawong P, Palmer E, MacDonald HR, Malissen B. Monoclonal antibodies raised against engineered soluble mouse T cell receptors and specific for V alpha 8-, V beta 2- or V beta 10-bearing T cells. *Eur J Immunol.* 1991 Dec;21(12):3035-40. (**B21.5**, mAb development, PubMed)

Related Products

11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)
17-0031 Anti-Mouse CD3e APC (145-2C11)

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