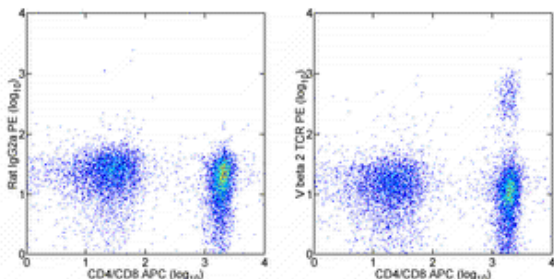


Anti-Mouse V beta 2 TCR PE

Catalog Number: 12-5804

Also Known As: Vbeta 2, Vbeta2, Vb 2, Vb2

RUO: For Research Use Only



Staining of C57BL/6 lymph node cells with Anti-Mouse CD4 APC (cat. 17-0041) and Anti-Mouse CD8a APC (cat. 17-0081) and 0.5 ug of Rat IgG2a kappa Isotype Control PE (cat. 12-4321) (left) or 0.5 ug of Anti-Mouse V beta 2 TCR PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse V beta 2 TCR PE

REF **Catalog Number:** 12-5804

Clone: B20.6

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, 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



Caution, contains Azide

Description

The B20.6 monoclonal antibody reacts with the mouse T-cell receptor (TCR) V beta 2 chain. Neonatal T cells which express V beta 2, and are exposed to the Balb/cV virus are eliminated during negative selection, while adult T cells expressing V beta 2 and exposed to the Balb/cV virus are clonally expanded.

Applications Reported

This B20.6 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This B20.6 antibody has been tested by flow cytometric analysis of mouse lymph node cells. This can be used at less than or equal to 1 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Pircher H, Rebaï N, Groettrup M, Grégoire C, Speiser DE, Happ MP, Palmer E, Zinkernagel RM, Hengartner H, Malissen B. Preferential positive selection of V alpha 2+ CD8+ T cells in mouse strains expressing both H-2k and T cell receptor V alpha a haplotypes: determination with a V alpha 2-specific monoclonal antibody. *Eur J Immunol.* 1992 Feb;22(2):399-404.

Necker A, Rebaï 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.

Related Products

12-4321 Rat IgG2a K Isotype Control PE

17-0041 Anti-Mouse CD4 APC (GK1.5)

17-0081 Anti-Mouse CD8a APC (53-6.7)

