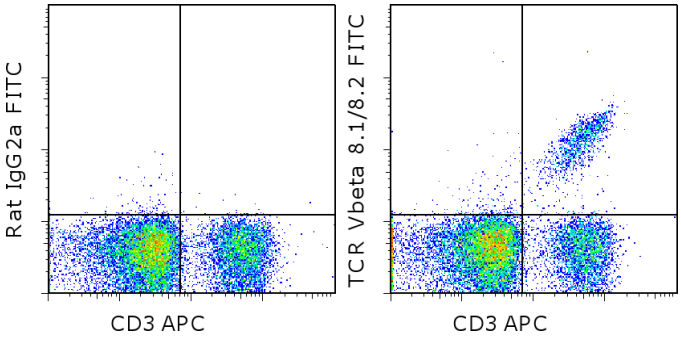
Anti-Mouse V beta 8.1/V beta 8.2 TCR FITC

Catalog Number: 11-5813
Also known as: Vbeta8.1, Vb 8.1, Vb8.2
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 splenocytes with Anti-Mouse CD3e APC (cat. 17-0031) and 0.25 ug of Rat IgG2a kappa Isotype Control FITC (cat. 11-4321) (left) or 0.5 ug of Anti-Mouse V beta 8.1/V beta 8.2 TCR FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse V beta 8.1/V beta 8.2 TCR FITC
REF **Catalog Number:** 11-5813
Clone: KJ16-133 (KJ-16, KJI6, KJ-I6)
Concentration: 0.5 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.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Caution, contains Azide

Description

This KJ16-133 monoclonal antibody recognizes mouse T cell receptors (TCR) containing Vβ 8.1 or 8.2, which is expressed by 15-20% of peripheral T cells in most strains of mice (ie. Balb/c, AKR, C57BL/6, B10.A) and by a number of T cell hybridomas (ie. DO-11.10, 3DT-52.5, D1G10G11, SKK-9.11, SKK-45.10, MDK16, S18.4).

Applications Reported

This KJ16-133 (KJ-16, KJI6, KJ-I6) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This KJ16 (KJ-16, KJI6, KJ-I6) 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

Yagüe, J., J. White, C. Coleclongh, J. Kappler, E. Palmer and P. Marrack. 1985. The T cell receptor: the gamma and ß chains define idiotype, and antigen and MHC specificity. Cell 42: 81-87.

Sim, G. K., A. A. Augstin. 1985. Vß gene polymorphism and amajor polyclonal T cell receptor idiotype. Cell 42: 89-92.

Haskins, K., C. Hannum, J. White , N. Roehm, R. Kubo, J. Kappler, and P. Marrack. 1984. The antigen-specific, major histocompatibility complex-restricted receptor on T cells. J. Exp. Med. 160: 452-471.

Related Products

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

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