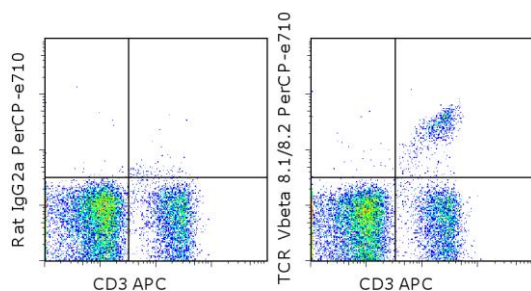


Anti-Mouse V beta 8.1/V beta 8.2 TCR PerCP-eFluor[®] 710

Catalog Number: 46-5813

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 0.5 μ g of Rat IgG2a kappa Isotype Control PerCP-eFluor[®] 710 (cat. 46-4321) (left) or 0.5 μ g of Anti-Mouse V beta 8.1/V beta 8.2 TCR PerCP-eFluor[®] 710 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse V beta 8.1/V beta 8.2 TCR PerCP-eFluor[®] 710



Catalog Number: 46-5813

Clone: KJ16-133 (KJ-16, KJI6, KJ-I6)

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



Description

This KJ16-133 monoclonal antibody recognizes mouse T cell receptors (TCR) containing V β 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 KJ16-133 (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 1 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.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor[®] 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor[®] Organic Dyes including PerCP-eFluor[®] 710.

References

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

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Mouse V beta 8.1/V beta 8.2 TCR PerCP-eFluor® 710

Catalog Number: 46-5813

Also known as: Vbeta8.1, Vb 8.1, Vb8.2

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

Sim, G. K., A. A. Augstin. 1985. V β gene polymorphism and a major polyclonal T cell receptor idotype. Cell 42: 89-92.

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

Related Products

17-0031 Anti-Mouse CD3e APC (145-2C11)

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor® 710 (eBR2a)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com