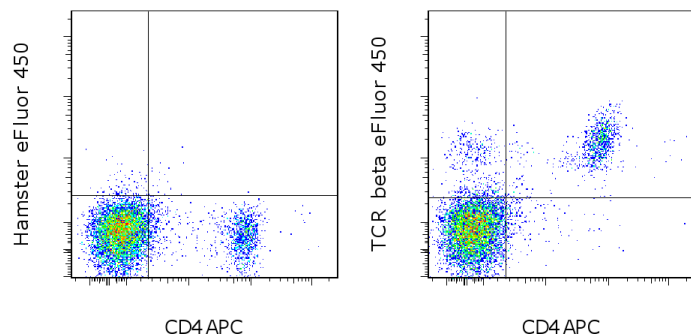


Anti-Mouse TCR beta eFluor® 450

Catalog Number: 48-5961

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



Staining of BALB/c splenocytes with Anti-Mouse CD4 APC (cat. 17-0041) and 0.125 ug of Armenian Hamster IgG Isotype Control eFluor® 450 (cat. 48-4888) (left) or 0.125 ug of Anti-Mouse TCR beta eFluor® 450 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse TCR beta eFluor® 450



Catalog Number: 48-5961

Clone: H57-597

Concentration: 0.2 mg/mL

Host/Isotype: Armenian Hamster IgG



LOT



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 H57-597 monoclonal antibody reacts with the beta chain of mouse TCR. TCR beta is expressed by thymocytes in a developmentally regulated manner and a majority of peripheral T cells. Crosslinking of the TCR complex with H57-597 induces activation and proliferation of T cells or apoptosis based on assay conditions. H57-597 is used as a phenotypic marker for TCR beta expressing T cells.

Applications Reported

This H57-597 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This H57-597 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Kubo RT, Born W, Kappler JW, Marrack P, Pigeon M. Characterization of a monoclonal antibody which detects all murine alpha beta T cell receptors. J Immunol. 1989 Apr 15;142(8):2736-42.

Related Products

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

48-4888 Armenian Hamster IgG Isotype Control eFluor® 450 (eBio299Arm)

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