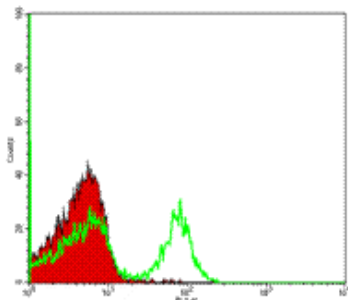


Anti-Mouse TCR beta Purified

Catalog Number: 14-5961

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



Staining of BALB/c splenocytes with staining buffer (red histogram) or Anti-Mouse TCR beta Purified (green histogram), followed by Anti-Armenian Hamster IgG FITC. Total viable cells were analyzed.

Product Information

Contents: Anti-Mouse TCR beta Purified

REF **Catalog Number:** 14-5961

Clone: H57-597

Concentration: 0.5 mg/mL

Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



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

The H57-597 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining. It has also been reported in *in vitro* functional studies and *in vivo* depletion. (Please use Functional Grade purified H57-597, cat. 16-5961, in functional assays.)

Applications Tested

The H57-597 antibody has been tested by flow cytometric analysis of mouse thymocyte and splenocyte suspensions. 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.

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

11-4111 Anti-Armenian Hamster IgG FITC

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

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