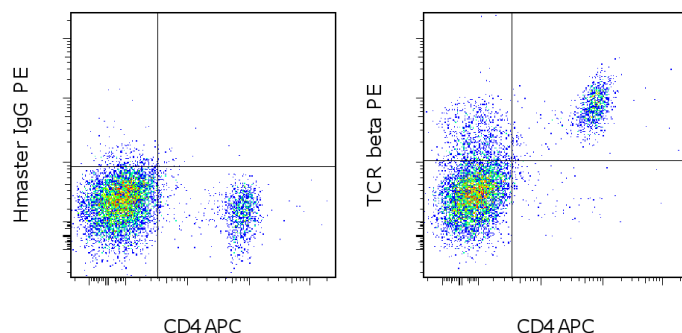


## Anti-Mouse TCR beta PE

**Catalog Number:** 12-5961

**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 0.25 ug of Armenian Hamster IgG Isotype Control PE (cat. 12-4888) (left) or 0.25 ug of Anti-Mouse TCR beta PE (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse TCR beta PE



**Catalog Number:** 12-5961

**Clone:** H57-597

**Concentration:** 0.2 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. 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

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

### 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 0.5 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<sup>5</sup> to 10<sup>8</sup> 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

12-4888 Armenian Hamster IgG Isotype Control PE (eBio299Arm)

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

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