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## PE/Cyanine7 Anti-Mouse TCRβ Antibody[H57-597]

Catalog Number: E-AB-F1123H

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Mouse

Host Armenian Hamster Isotype Armenian Hamster IgG

Clone No. H57-597

PE/Cyanine7 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852H] Isotype Control

PE/Cyanine 7 Conjugation

**Conjugation Information** PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

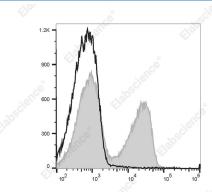
#### **Applications** Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### **Data**



C57BL/6 murine splenocytes are stained with PE/Cyanine7 Anti-Mouse TCRβ Antibody[H57-597 (HB218)] (filled gray histogram) or PE/Cyanine7 Armenian Hamster IgG Isotype Control (empty black histogram).

#### **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

**Alternate Names** TCR-ββ-TCR;TCR-β chain

Gene ID 21577

### For Research Use Only

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#### **Background**

T cell receptor (TCR) is a heterodimer consisting of an  $\alpha$  and a  $\beta$  chain (TCR  $\alpha/\beta$ ) or a  $\gamma$ and a  $\delta$  chain (TCR  $\gamma/\delta$ ). TCR- $\beta$  is a member of the immunoglobulin superfamily and a component of the CD3/TCR complex (along with TCR- $\alpha$ ). It is expressed on  $\alpha/\beta$  TCRbearing T cells and thymocytes. The CD3/TCR complex plays a key role in antigen recognition, signal transduction, and T cell activation.

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