

A Reliable Research Partner in Life Science and Medicine

## FITC Anti-Mouse TCRβ Antibody[H57-597]

Catalog Number: E-AB-F1123UC

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

### **Description**

Mouse Reactivity

Armenian Hamster Host Isotype Armenian Hamster IgG

H57-597 Clone No.

FITC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853C] **Isotype Control** 

Conjugation

**Conjugation Information** FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

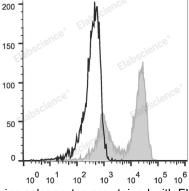
#### **Applications** Recommended usage

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

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu g/10^6$  cells

in 100 µL volume].

#### Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse TCRβ Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

#### **Preparation & Storage**

Keep as concentrated solution. Storage

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

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623 Web:www.elabscience.com

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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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