

## Elab Fluor® 700 Anti-Mouse TCRβ Antibody[H57-597]

Catalog Number: GFH1123UM1

**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                                                                                                                                                                |
| Isotype Control         | Elab Fluor® 700 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853M1]                                                                                      |
| Conjugation             | Elab Fluor® 700                                                                                                                                                        |
| Conjugation Information | Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                    |

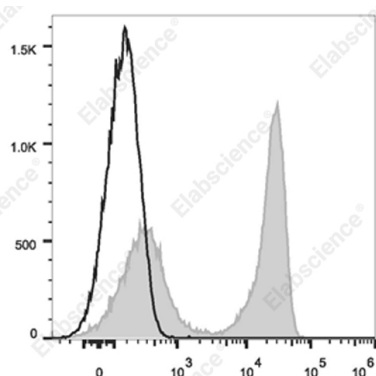
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please 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  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



Staining of C57BL/6 murine splenocytes cells with Elab Fluor

® 700 Anti-Mouse TCRβ Antibody[H57-597 (HB218)] (filled gray histogram) or Elab Fluor® 700 Armenian Hamster IgG Isotype Control (empty black histogram). Total viable cells were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>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-β; β-TCR; TCR-β chain |
| Gene ID         | 21577                     |

### For Research Use Only

## 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  $\alpha/\beta$  TCR-bearing T cells and thymocytes. The CD3/TCR complex plays a key role in antigen recognition, signal transduction, and T cell activation.