

## PerCP/Cyanine5.5 Anti-Mouse TCR $\beta$ Antibody[H57-597]

Catalog Number: E-AB-F1123J

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

### Description

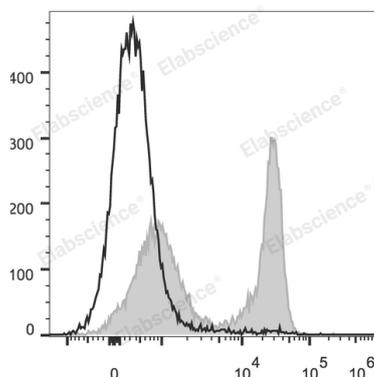
|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Armenian Hamster   |
| <b>Isotype</b>                 | Armenian Hamster IgG   |
| <b>Clone No.</b>               | H57-597  |
| <b>Isotype Control</b>         | PerCP/Cyanine5.5 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852J]  |
| <b>Conjugation</b>             | PerCP/Cyanine 5.5  |
| <b>Conjugation Information</b> | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.  |

### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 PerCP/Cyanine5.5 Anti-Mouse TCR $\beta$  Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Alternate Names</b> | TCR- $\beta$ -TCR;TCR- $\beta$ chain |
| <b>Gene ID</b>         | 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.