

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

**Catalog Number:** GFH1123J

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

### Description

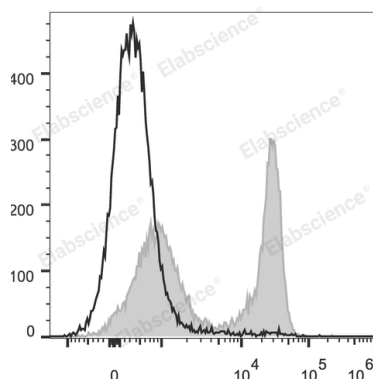
|                                |                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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% sodium azide.                                                                                                  |

### Applications

### Recommended usage

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
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### 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 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                           |
|------------------------|-------------------------------------------|
| <b>Alternate Names</b> | TCR- $\beta\beta$ -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.