

**PE/Cyanine7 Anti-Mouse TCR $\beta$  Antibody[H57-597 (HB218)]**

<b>Catalog No.</b>	E-AB-F1123H	<b>Reactivity</b>	Mouse
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM

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

**Antigen Information**

<b>Alternate Names</b>	TCR- $\beta$ chain, TCR- $\beta$ , $\beta$ -TCR
<b>Background</b>	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.

**Product Details**

<b>Form</b>	Liquid
<b>Size</b>	50Tests/100Tests/100Tests $\times$ 2
<b>Clone No.</b>	H57-597 (HB218)
<b>Host</b>	Armenian Hamster
<b>Isotype</b>	Armenian Hamster IgG
<b>Reactivity</b>	Mouse
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">PE/Cyanine7 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852H]</a>
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.

**For Research Use Only**

## Fluorophore

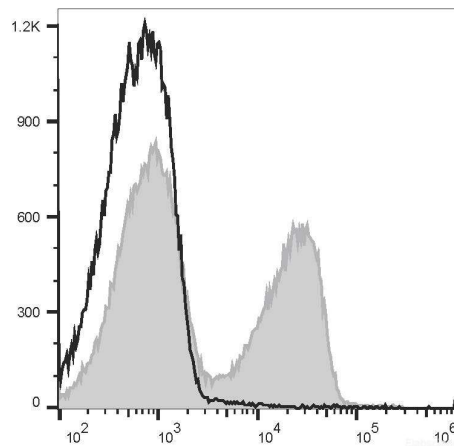
**Conjugation:** PE/Cyanine7

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).

## Recommended usage

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.

## Product data



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

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>

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