

A Reliable Research Partner in Life Science and Medicine

## AF/LE Purified Anti-Mouse TCRβ Antibody[H57-597]

catalog number: E-AB-F11230

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

#### **Description**

Reactivity Mouse

Immunogen Recombinant Mouse TCR-β protein

Host Armenian Hamster Isotype Armenian Hamster IgG

**Clone** H57-597

**Purification** >98%, Protein A/G purified

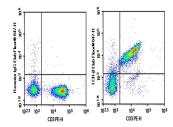
Buffer Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL

method.

# Applications Recommended Dilution

**FCM** 2  $\mu$ g/mL(0.5×10<sup>6</sup>-1×10<sup>6</sup> cells)

#### Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg AF/LE Purified Anti-Mouse TCRβ Antibody[H57-597] (Right) and 0.2 μg Armenian Hamster IgG, κ Isotype Control (Left),

followed by Elab Fluor<sup>®</sup> 647-conjugated Goat Anti-Armenian Hamster IgG Secondary Antibody, then anti-Mouse CD3 PE-conjugated Monoclonal Antibody.

## **Preparation & Storage**

Storage Storage, avoid freeze /

thaw cycles. This preparation contains no preservatives, thus it should be handled

under as eptic conditions.

Shipping Ice bag

### **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.

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