

A Reliable Research Partner in Life Science and Medicine

# Elab Bright™ Violet 650 Anti-Mouse CD3ε Antibody[145-2C11]

Catalog Number: E-AB-F1103U

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

#### **Description**

Reactivity Mouse

Host Armenian Hamster Isotype Armenian Hamster IgG

**Clone No.** 145-2C11

**Isotype Control** Elab Bright™ Violet 650 Hamster IgG1, κ Isotype Control[A19-3] [Product AN00818U]

**Conjugation** Elab Bright™Violet 650

**Conjugation Information** Elab Bright<sup>TM</sup> Violet 650 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 650 nm (e.g., a 660/20 nm bandpass filter).

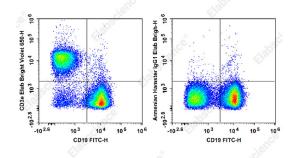
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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



Staining of Balb/C murine splenocytes with BV650 Anti-Mouse CD3e Antibody[145-2C11] and FITC Anti-Mouse CD19 Antibody[1D3] (left) or BV650 Armenian Armenian Hamster IgG1,  $\kappa$  Isotype Control (right). Total viable cells were used for analysis.

### **Preparation & Storage**

**Storage** Keep as concentrated solution.

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 CD3E;CD3e;T-cell surface antigen T3/Leu-4 epsilon chain;T-cell surface glycoprotein

CD3 epsilon chain;T3E

Uniprot ID P22646

## For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web:www.elabscience.com Email:techsupport@elabscience.com

#### Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

Gene ID Background 12501

CD3 $\epsilon$  is a 20 kD transmembrane protein, also known as CD3 or T3. It is a member of the lg superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 $\epsilon$  forms a TCR complex by associating with the CD3 $\delta$ ,  $\gamma$  and  $\zeta$  chains, as well as the TCR  $\alpha/\beta$  or  $\gamma/\delta$  chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.