

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor<sup>®</sup> Violet 450 Anti-Mouse CD3ε Antibody[145-2C11]

Catalog Number: E-AB-F1103Q

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 Fluor® Violet 450 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-

F09852Q1

Conjugation Elab Fluor® Violet 450

**Conjugation Information** Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

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

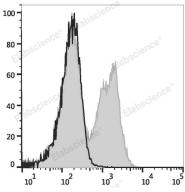
#### **Applications** Recommended usage

**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 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.

#### Data



C57BL/6 murine splenocytes are stained with Elab Fluor® Violet 450 Anti-Mouse CD3ε Antibody (filled gray histogram)

or Elab Fluor® Violet 450 Armenian hamster IgG Isotype Control (empty black histogram).

### **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 Gene ID 12501

### For Research Use Only

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com

Web:www.elabscience.com

Elabscience Bionovation Inc.

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**Background** 

CD3s 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. CD3ɛ 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.

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Email:techsupport@elabscience.com Web:<u>w w w .elabscience.com</u>