

A Reliable Research Partner in Life Science and Medicine

# PE/Cyanine 5 Anti-Mouse CD3ε Antibody[145-2C11]

Catalog Number: E-AB-F1103UG

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 PE/Cyanine5 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853G]

Conjugation PE/Cyanine 5

Conjugation Information PE/Cyanine5 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 670 nm

(e.g., a 690/50 nm bandpass filter).

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

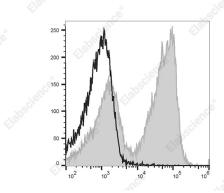
## Applications Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is  $0.1-1 \mu g/10^6$  cells

in 100 μL volume].

### Data



C57BL/6 murine splenocytes are stained with PE/Cyanine5 Anti-Mouse CD3ɛ Antibody[145-2C11] (filled gray histogram) or PE/Cyanine5 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 lce 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.