

## APC Anti-Mouse CD3ε Antibody[145-2C11]

**Catalog Number:** E-AB-F1103E

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

### Description

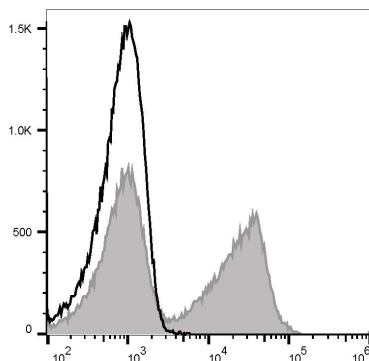
|                                |  |
|--------------------------------|--|
| <b>Reactivity</b>              | Mouse  |
| <b>Host</b>                    | Armenian Hamster   |
| <b>Isotype</b>                 | Armenian Hamster IgG   |
| <b>Clone No.</b>               | 145-2C11   |
| <b>Isotype Control</b>         | APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852E]   |
| <b>Conjugation</b>             | APC  |
| <b>Conjugation Information</b> | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |

### Applications

### Recommended usage

|            |   |
|------------|---|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>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).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|---|

### Data



Staining of C57BL/6 murine splenocytes with APC Anti-Mouse CD3ε Antibody[145-2C11] (filled gray histogram) or APC Armenian Hamster IgG Isotype Control (empty black histogram). Total viable cells were used for analysis.

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | CD3E;CD3e;T-cell surface antigen T3/Leu-4 epsilon chain;T-cell surface glycoprotein CD3 epsilon chain;T3E |
| <b>Uniprot ID</b>      | P22646  |

### For Research Use Only

**Gene ID**

12501

**Background**

CD3ε is a 20 kD transmembrane protein, also known as CD3 or T3. It is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3ε forms a TCR complex by associating with the CD3δ, γ and ζ chains, as well as the TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.

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