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## PE/Cyanine5 Anti-Mouse CD3 Antibody[17A2]

Catalog Number: E-AB-F1013G

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

#### Description

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ

Clone No. 17A2

PE/Cyanine5 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842G] Isotype Control

Conjugation

**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).

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

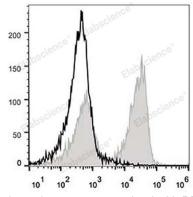
#### **Applications** Recommended usage

**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 PE/Cyanine5 Anti-Mouse CD3 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

#### **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** CD3;CD3E/D/G/Z;CD3e/d/g/z;T-cell surface glycoprotein CD 3epsilon/delta/gamma/

zeta chain

**Uniprot ID** P04235;P11942;P22646;P24161 Gene ID 12500;12501;12502;12503

### For Research Use Only

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#### **Background**

CD3, also known as T3, 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 is composed of CD3 $\epsilon$ ,  $\delta$ ,  $\gamma$  and  $\zeta$  chains. It forms a TCR complex by associating with 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.

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