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## PE Anti-Rat CD3 Antibody[G4.18]

Catalog Number: E-AB-F1228D

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

#### Description

Reactivity Rat Mouse Host

Isotype Mouse IgG3, ĸ

Clone No. G4.18

PE Mouse IgG3, k Isotype Control[A112-3] [Product E-AB-F09752D] Isotype Control

Conjugation

**Conjugation Information** PE 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 575 nm (e.g., a 585/42

nm bandpass filter).

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

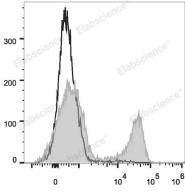
#### **Applications** Recommended usage

**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**



Rat splenocytes are stained with PE Anti-Rat CD3 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

#### **Preparation & Storage**

Keep as concentrated solution. **Storage** 

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** T3and ζ chains γε; CD3; CD3 Complex; T-cell surface glycoprotein CD3 δ

**Uniprot ID** P19377;Q64159;D4A5M2 Gene ID 25710;300678;315609;25300

### For Research Use Only

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#### **Background**

CD3 is a complex composed of  $\delta$ ,  $\gamma$ ,  $\epsilon$ , and  $\zeta$  chains. They are 20-25 kD members of the immunoglobulin superfamily and associated with the T cell receptor (TCR). CD3 is expressed on thymocytes, peripheral T cells, some NK-T cells, and dendritic epidermal T cells. CD3 is involved in antigen recognition, signal transduction, and T cell activation

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