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

Catalog Number: E-AB-F1228UD

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

#### Description

Reactivity Rat
Host Mouse

**Isotype** Mouse IgG3, κ

Clone No. G4.18

Isotype Control PE Mouse IgG3, κ Isotype Control[A112-3] [Product E-AB-F09753D]

Conjugation PE

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

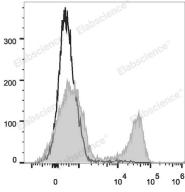
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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<sup>6</sup> cells is 4.00  $\mu$ g/10<sup>8</sup> cells

in 100 µL volume].

#### 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**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

Rev. V1.6

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names T3and ζ chainsγε; 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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