

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® Violet 540 Anti-Rat CD3 Antibody[G4.18]

Catalog Number: E-AB-F1228T3

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 Elab Fluor® Violet 540 Mouse IgG3, κ Isotype Control[A112-3] [Product E-AB-F09752T3]

**Conjugation** Elab Fluor<sup>®</sup> Violet 540

**Conjugation Information** Elab Fluor® Violet 540 is designed to be excited by the violet laser (405 nm) and detected

using an optical filter centered near 548 nm (e.g., a 572/28 nm bandpass filter).

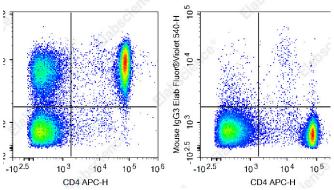
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Staining of Rat splenocytes with APC Anti-Rat CD4(domain

1) Antibody[OX-38] and Elab Fluor<sup>®</sup> Violet 540 Anti-Rat CD3 Antibody[G4.18](left) or Elab Fluor<sup>®</sup> Violet 540 Mouse IgG3, κ Isotype Control(right). Total viable cells were used for analysis.

#### **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 T-cell surface glycoprotein CD3 δ;γ;ε;and ζ chains;CD3 Complex;T3;CD3

 Uniprot ID
 P19377;Q64159;D4A5M2;

 Gene ID
 25710;300678;315609;25300

### For Research Use Only

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# Elabscience®

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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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