A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 540 Anti-Rat CD4(domain 1) Antibody[OX-38]

Catalog Number: E-AB-F1105UT3

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

#### **Description**

Reactivity Rat
Host Mouse

**Isotype** Mouse IgG2a, κ

Clone No. OX-38

**Isotype Control** Elab Fluor<sup>®</sup> Violet 540 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-

F09803T3]

Conjugation Elab Fluor® 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.

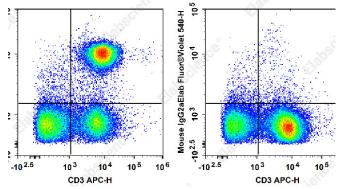
## Applications Recommended usage

FCM Each lot of this antibody is qu

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

in 100 µL volume].

#### **Data**



Staining of Rat splenocytes with APC Anti-Rat CD3

Antibody[G4.18] and Elab Fluor<sup>®</sup> Violet 540 Anti-Rat CD4(domain 1) Antibody[OX-38](left) or Elab Fluor<sup>®</sup> Violet 540 Mouse IgG2a, 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 CD4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;domain 1

Uniprot ID P05540

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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Gene ID **Background**  24932

CD4, also known as T4, is a 55kD glycoprotein member of the immunoglobin superfamily and is expressed on majority of thymocytes, macrophages, and a peripheral T cell subset (T helper cells). CD4 is a T cell co-receptor that interacts with the MHC class II molecule and is involved in T cell activation.

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