

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Rat CD4(domain 1) Antibody[OX-38]

Catalog Number: E-AB-F1105M1

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® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor<sup>®</sup> 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

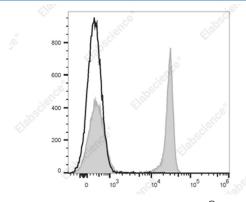
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

## 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 Elab Fluor® 700 Anti-Rat CD4(domain 1) Antibody[OX-38] (filled gray histogram) or

Elab Fluor<sup>®</sup> 700 Mouse IgG2a, κ Isotype Control (empty black histogram). Total viable cells were used for analysis.

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  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

 Gene ID
 24932

## For Research Use Only

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## **Elabscience Bionovation Inc.**



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## **Background**

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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