

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 488 Anti-Rat CD4(domain 1) Antibody[OX-38]

Catalog Number: E-AB-F1105L

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

#### **Description**

Reactivity Rat Host Mouse

Isotype Mouse IgG2a, ĸ

Clone No. OX-38

Isotype Control Elab Fluor<sup>®</sup> 488 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802L]

Conjugation Elab Fluor®488

**Conjugation Information** Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

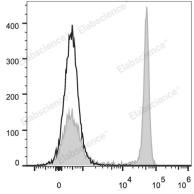
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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 Elab Fluor® 488 Anti-Rat CD4(domain 1) 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** 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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Rev. V1.7

#### **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.