

## Elab Fluor® Violet 500 Anti-Rat CD4(domain 1) Antibody[OX-38]

Catalog Number: E-AB-F1105UR

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

### Description

<b>Reactivity</b>	Rat
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, κ
<b>Clone No.</b>	OX-38
<b>Isotype Control</b>	Elab Fluor® Violet 500 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803R]
<b>Conjugation</b>	Elab Fluor® Violet 500
<b>Conjugation Information</b>	Elab Fluor® Violet 500 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 501 nm (e.g., a 525/45 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

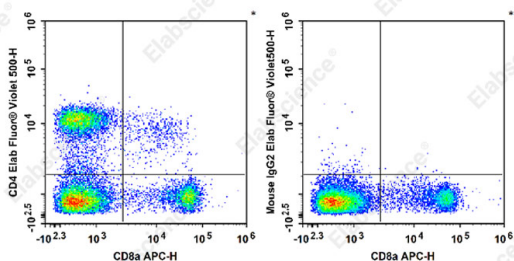
### Applications

### 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 μg/10<sup>6</sup> cells in 100 μL volume].

### Data



Staining of Rat splenocytes with APC Anti-Rat CD8a

Antibody[OX-8] and Elab Fluor® Violet 500 Anti-Rat

CD4(domain 1) Antibody[OX-38] (left) or Elab Fluor® Violet 500 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

<b>Alternate Names</b>	CD4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;domain 1
<b>Uniprot ID</b>	P05540
<b>Gene ID</b>	24932

### For Research Use Only

## Background

CD4, also known as T4, is a 55kD glycoprotein member of the immunoglobulin 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.