

## PE/Cyanine5 Anti-Rat CD4(domain 1) Antibody[OX-38]

**Catalog Number:** E-AB-F1105UG

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

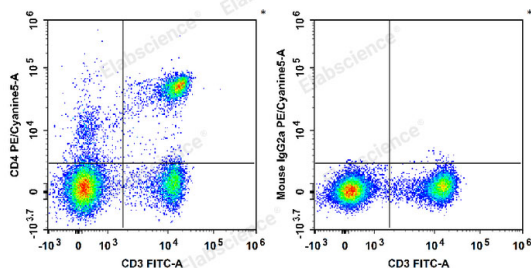
### Description

|                                |                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Rat                                                                                                                                                                                                        |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                      |
| <b>Isotype</b>                 | Mouse IgG2a, $\kappa$                                                                                                                                                                                      |
| <b>Clone No.</b>               | OX-38                                                                                                                                                                                                      |
| <b>Isotype Control</b>         | PE/Cyanine5 Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09803G]                                                                                                                          |
| <b>Conjugation</b>             | PE/Cyanine 5                                                                                                                                                                                               |
| <b>Conjugation Information</b> | PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                                                          |

### Applications

| Applications | Recommended usage                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCM</b>   | 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 $\mu\text{g}/10^6$ cells in 100 $\mu\text{L}$ volume]. |

### Data



Rat splenocytes are stained with FITC Anti-Rat CD3 Antibody and PE/Cyanine5 Anti-Rat CD4(domain 1) Antibody (Left). Splenocytes are stained with FITC Anti-Rat CD3 Antibody and PE/Cyanine5 Mouse IgG2a,  $\kappa$  Isotype Control (Right).

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | 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                                                                       |

### For Research Use Only

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Rev. V1.6

**Gene ID**

24932

**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.