

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 647 Anti-Human CD25 Antibody[BC96]

Catalog Number: E-AB-F1194M

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

#### **Description**

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. BC96

Isotype Control Elab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]

Conjugation Elab Fluor® 647

**Conjugation Information** Elab Fluor<sup>®</sup> 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

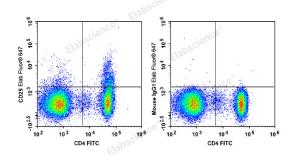
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### 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



Human peripheral blood lymphocytes are stained with Elab

Fluor<sup>®</sup> 647 Anti-Human CD25 Antibody and FITC Anti-Human CD4 Antibody (Left). Lymphocytes stained with FITC

Anti-Human CD4 Antibody and Elab Fluor<sup>®</sup> 647 Mouse IgG1, κ Isotype Control (Right) are used as control.

#### **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 IL-2 receptor subunit alpha;IL-2-RA;IL-2R subunit alpha;IL2-RA;IL2RA;Interleukin-2

receptor subunit alpha;TAC antigen;p55

Uniprot ID P01589

## For Research Use Only

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#### **Elabscience Bionovation Inc.**



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Gene ID

Background

3559

CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor  $\alpha$  chain or Tac. It is expressed on progenitor lymphocytes, activated T and B cells, and activated monocytes/macrophages. CD25 is also expressed on a subset of non-stimulated CD4+ T cells termed T regulatory cells. CD25 associates with the IL-2 receptor  $\beta$  (CD122) and common  $\gamma$  chains (CD132) to form the high affinity IL-2R complex.

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