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# PE Anti-Human CD25 Antibody[CHI621]

Catalog Number: AN00360D

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

#### Description

ReactivityHumanHostMouseIsotypeMouse IgG1Clone No.CHI621

Isotype Control PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]

Conjugation PE

Conjugation Information PE 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 575 nm (e.g., a 585/42

nm bandpass filter).

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

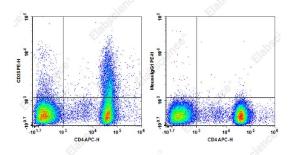
### Applications Recommended usage

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 normal human peripheral blood cells with APC Anti-Human CD4 Antibody and PE Anti-Human CD25 Antibody[CHI621] (left) or PE Mouse IgG1, κ Isotype Control (right). Cells in the lymphocytes gate 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 lce bag

## **Antigen Information**

Alternate Names IL-2 receptor α chain;Low affinity IL-2R;IL-2Rα chain

 Uniprot ID
 P01589

 Gene ID
 3559

## For Research Use Only

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## Elabscience Bionovation Inc.



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## **Background**

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.