

## APC Anti-Mouse CD127/IL-7RA Antibody[A7R34]

Catalog Number: GFH1023E

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

### Description

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                      |
| Host                    | Rat                                                                                                                                                        |
| Isotype                 | Rat IgG2a, $\kappa$                                                                                                                                        |
| Clone No.               | A7R34                                                                                                                                                      |
| Isotype Control         | APC Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832E]                                                                                        |
| Conjugation             | APC                                                                                                                                                        |
| Conjugation Information | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                        |

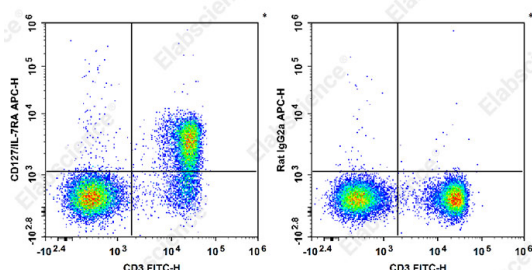
### Applications

### 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 C57BL/6 murine splenocytes with FITC Anti-Mouse CD3 Antibody[17A2] and APC Anti-Mouse CD127/IL-7RA Antibody[A7R34] (left) or APC Rat IgG2a,  $\kappa$  Isotype Control (right). Total viable cells were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>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 | CD127;IL-7 receptor subunit alpha;IL-7R subunit alpha;IL-7R-alpha;IL-7RA;IL7r; Interleukin-7 receptor subunit alpha |
| Gene ID         | 16197                                                                                                               |

### For Research Use Only

Tel: 400-999-2100

Web: [www.elabscience.cn](http://www.elabscience.cn)

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Rev. V1.3

## Background

CD127 is a 60-90 kD type I transmembrane glycoprotein also known as IL-7 receptor  $\alpha$  chain or IL-7R $\alpha$ . It forms a heterodimer with the common  $\gamma$  chain ( $\gamma$ c or CD132) which is shared with the receptors for IL-2, IL-4, IL-9, IL-13, IL-15, and IL-21. CD127 is expressed on immature B cells through early pre-B stage, thymocytes (except CD4/CD8 double positive thymocytes), peripheral T cells, and bone marrow stromal cells. CD127 has been reported to be a useful marker for identifying memory and effector T cells. The ligation of IL-7 with its receptor is important for stimulation of mature and immature T cells as well as immature B cells proliferation and development.