

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

|                    |  |                     |       |
|--------------------|--|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1023UE                               | <b>Reactivity</b>   | Mouse |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM   |

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

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | Interleukin-7 receptor subunit alpha, IL7r, IL-7 receptor subunit alpha, IL-7R subunit alpha, IL-7R-alpha, IL-7RA, CD127   |
| <b>Uniprot ID</b>      | P16872   |
| <b>Background</b>      | 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 an 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. |

### Product Details

|                                |   |
|--------------------------------|---|
| <b>Form</b>                    | Liquid  |
| <b>Concentration</b>           | 0.2 mg/mL   |
| <b>Size</b>                    | 25 $\mu$ g/100 $\mu$ g  |
| <b>Clone No.</b>               | A7R34   |
| <b>Host</b>                    | Rat   |
| <b>Isotype</b>                 | Rat IgG2a, $\kappa$   |
| <b>Reactivity</b>              | Mouse   |
| <b>Application</b>             | FCM   |
| <b>Isotype Control</b>         | <a href="#">APC Rat IgG2a, <math>\kappa</math> Isotype Control[2A3] [Product E-AB-F09833E]</a>  |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.   |
| <b>Shipping</b>                | Biological ice pack at 4 °C   |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.<br>This product is guaranteed up to one year from purchase. |

### For Research Use Only

## Fluorophore

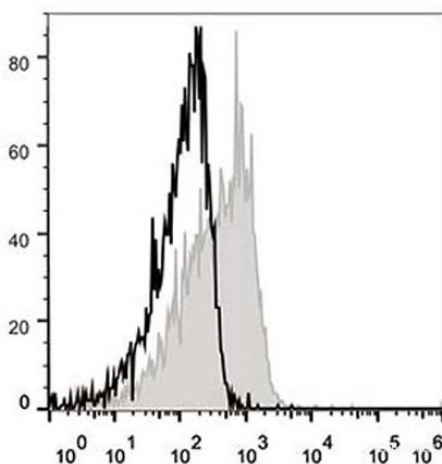
### Conjugation: APC

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).

## Recommended usage

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].

## Product data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD127/IL-7RA Antibody (filled gray histogram).  
Unstained splenocytes (empty black histogram) are used as control.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>