

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Mouse CD127/IL-7RA Antibody[A7R34]

Catalog Number: E-AB-F1023UM1

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

#### **Description**

Reactivity Mouse Host Rat

**Isotype** Rat IgG2a, κ **Clone No.** A7R34

Isotype Control Elab Fluor<sup>®</sup> 700 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

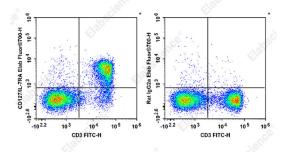
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. 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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



Staining of C57BL/6 murine splenocytes with FITC Anti-

Mouse CD3 Antibody[17A2] and Elab Fluor<sup>®</sup> 700 Anti-Mouse CD127/IL-7RA Antibody[A7R34] (left) or Elab Fluor<sup>®</sup> 700 Rat IgG2a, κ Isotype Control (right). Total viable cells 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 Ice bag

#### **Antigen Information**

Alternate Names CD127;IL-7 receptor subunit alpha;IL-7R subunit alpha;IL-7R-alpha;IL-7RA;II7r;

Interleukin-7 receptor subunit alpha

Uniprot ID P16872

## For Research Use Only

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



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Gene ID **Background**  16197

CD127 is a 60-90 kD type I transmembrane glycoprotein also known as IL-7 receptor α chain or IL-7Rα. It forms a heterodimer with the common γ chain (γc 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.

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