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PE/Cyanine7 Anti-Mouse CD127/IL-7RA Antibody[A7R34]

Catalog Number: E-AB-F1023UH

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ Clone No. A7R34

PE/Cyanine7 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833H] Isotype Control

Conjugation

Conjugation Information PE/Cyanine7 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 775 nm

(e.g., a 780/60 nm bandpass filter).

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

Applications Recommended usage

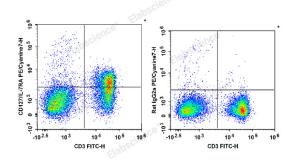
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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 μg/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD3 Antibody and PE/Cyanine7 Anti-Mouse CD127/IL-7RA Antibody (Left). Splenocytes are stained with FITC Anti-Mouse CD3 Antibody and PE/Cyanine7 Rat IgG2a, κ Isotype Control (Right).

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

For Research Use Only

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Uniprot ID P16872 Gene ID 16197 **Background**

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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