

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD127/IL-7RA Monoclonal  
Antibody(PE/Cyanine5 Conjugated)

**Catalog:** DL20403F

**Synonyms:** Interleukin-7 receptor subunit alpha, IL-7 $\alpha$ , IL-7  
receptor subunit alpha, IL-7R subunit  
alpha, IL-7R-alpha, IL-7RA, CD127

**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 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.

**Form:** Liquid

**Isotype:** Rat IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PE/Cyanine5

**SwissProt:** P16872

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

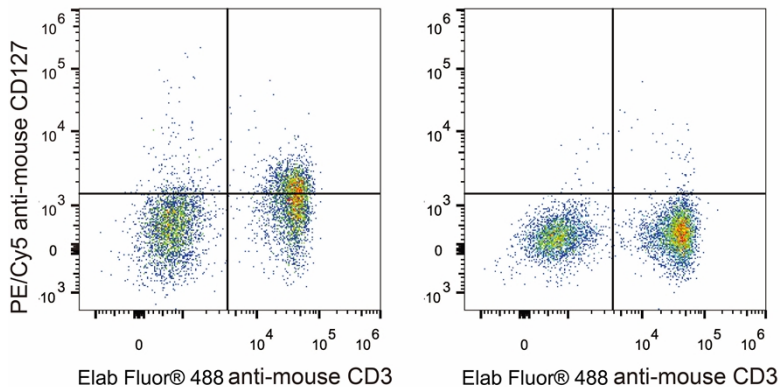
### Recommended Use:

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

$\mu\text{g}/10^6\text{cells}$  in 100  $\mu\text{L}$  volume].

### Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD127 Monoclonal Antibody(PE/Cyanine5 Conjugated)[Used at  $0.2 \mu\text{g}/10^6$  cells dilution]and Anti-Mouse CD3 Monoclonal Antibody(AF488 Conjugated). Splenocytes stained with Anti-Mouse CD3 Monoclonal Antibody(AF488 Conjugated)(right) are used as control.



### Storage:

Keep as concentrated solution.

Store at  $2\sim 8^{\circ}\text{C}$  and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.