

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD127/IL-7RA Monoclonal  
Antibody(AF647 Conjugated)

**Catalog:** DL20398F

**Synonyms:** Interleukin-7 receptor subunit alpha, IL7r, 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:**

50Tests/100Tests/100Tests $\times$ 2

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 5  $\mu$ L

**Conjugation:** AF647

**SwissProt:** P16872

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

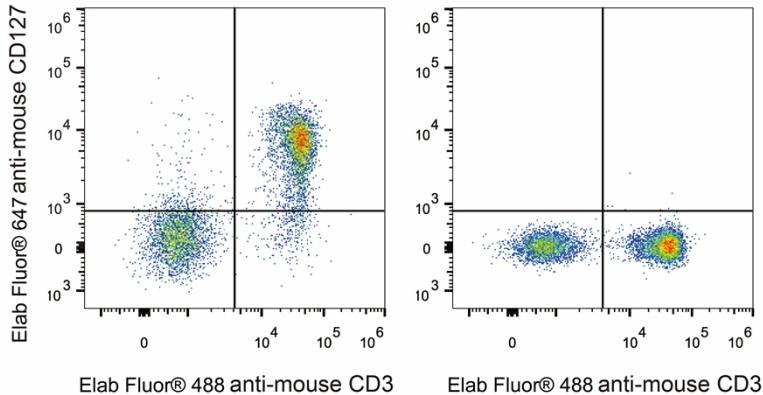
### Recommended Use:

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

C57BL/6 murine splenocytes are stained with Anti-Mouse CD127 Monoclonal Antibody(AF647 Conjuaged) and Anti-Mouse CD3 Monoclonal Antibody(AF488 Conjuaged)(left). Splenocytes stained with Anti-Mouse CD3 Monoclonal Antibody(AF488 Conjuaged)(right) are used as control.



### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.