

PE Rabbit anti-Mouse CD127/IL-7R α mAb

Catalog No.: A27862

Basic Information

Observed MW

Calculated MW

51kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC63550

Conjugate

PE. Ex:565nm. Em:574nm.

Background

Interleukin-7 is a glycoprotein involved in the regulation of lymphopoiesis. Response of cells to IL7 is dependent on the presence of the interleukin 7 receptor (IL7R); the active receptor is a α/γ chain heterodimer. The $\gamma(c)$ chain, which also associates with the interleukin-2 receptor, serves primarily to activate signal transduction by the IL7R complex, while the α chain of IL7R determines specific signaling events through its association with cytoplasmic signaling molecules.

Recommended Dilutions

FC $\leq 0.5 \mu\text{g}$ per million cells
in 100 μl volume

Immunogen Information

Gene ID

16197

Swiss Prot

P16872

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CD127; IL-7R α

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

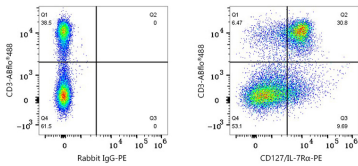
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry:1X10⁶ C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rat anti-Mouse CD3 mAb (A27161,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse CD127/IL-7Rα mAb (A27862,0.5 µg,right).