

PE anti-mouse CD127 (IL-7R α)

Catalog # / Size: 1391015 / 25 μ g
1391020 / 100 μ g

Clone: S18006K

Isotype: Rat IgG2b, λ

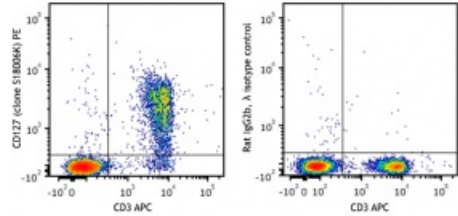
Immunogen: mouse IL7R-transfectants

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Concentration: 0.2 mg/mL



C57BL/6 splenocytes stained with mouse CD127 (IL-7R α) PE (clone S18006K) (left) or rat IgG2b, κ PE isotype control (right) and CD3 APC.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is \leq 0.25 μ g per million cells in 100 μ L volume. It is recommended that the reagent be titrated for optimal performance for each application.

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

- Antigen References:**
1. Sudo T, *et al.* 1993. *Proc Natl Acad Sci USA*. 90:9125.
 2. Okuno Y, *et al.* 2002. *Proc Natl Acad Sci USA*. 99:6246.
 3. Pillai M, *et al.* 2004. *Leuk Lymphoma*. 45:2403.