Store at 4°C

Biotin Anti-Mouse CD127 (IL-7Rα) Monoclonal Antibody

天津三箭生物技术股份有限公司
Tianjin Sungene Biotech Co., Ltd.
精准 高效 稳定 Precision Efficient Stable

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Catalog Number	Vial Size
M11271-08B	50 µg
M11271-08E	500 µg

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

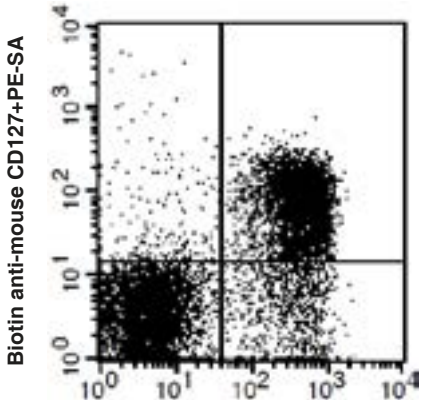
Purified Antibody Characterization

Clone	Isotype	Reactivity
A7R34	Rat IgG2a	Mouse

Description

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.

Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with APC anti-mouse CD3 and Biotin anti-mouse CD127,followed by PE-SA

Product Information

Conjugation: Biotin

Formulation: PBS pH 7.2, 0.09% NaN_3, 0.2% BSA

Concentration: 0.5 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Application: Recommended Application: FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used ≤ 0.25 µg /10^6 cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Sudo T, et al. 1993. P. Natl. Acad. Sci. USA 90:9125.
[2] Okuno Y, et al. 2001. P. Natl. Acad. Sci. USA 99:6246.
[3] Pillai M, et al. 2004. Leukemia Lymphoma 45:2403.

For Research Use Only.

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