

# Anti-CD127 Antibody [PSH12-76]

## HA601429



<b>Product Type:</b>	Recombinant Mouse monoclonal IgG1, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	FC
<b>Molecular Wt:</b>	Predicted band size: 52 kDa
<b>Clone number:</b>	PSH12-76

**Description:** Interleukin-7 receptor subunit alpha (IL7R- $\alpha$ ) also known as CD127 (Cluster of Differentiation 127) is a protein that in humans is encoded by the IL7R gene. IL7R- $\alpha$  is a type I cytokine receptor and is a subunit of the functional interleukin-7 receptor and thymic stromal lymphopoietin (TSLP) receptors.

**Immunogen:** Recombinant protein within Human CD127 aa 21-239 (Extracellular).

**Positive control:** Human peripheral blood lymphocytes.

**Subcellular location:** Cell membrane; Secreted.

**Database links:** SwissProt: P16871 Human

**Recommended Dilutions:**

FC 1:1,000

**Storage Buffer:** 1\*PBS (pH7.4), 1% BSA, 0.2% Proclean 950.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

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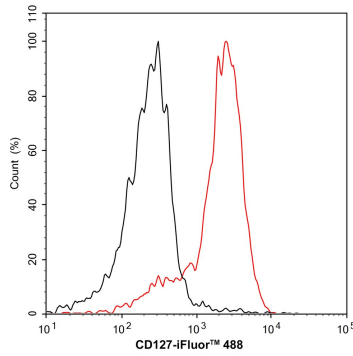
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## Images



**Fig1:** Flow cytometric analysis of human peripheral blood lymphocytes labeling CD127.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA601429, 1/1,000) (red). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody (HA1125) at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

**Note:** All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

## Background References

1. Zhang B et al. CD127 imprints functional heterogeneity to diversify monocyte responses in inflammatory diseases. *J Exp Med.* 2022 Feb
2. Liang KL et al. Circulating IRF8-expressing CD123(+)CD127(+) lymphoid progenitors: key players in human hematopoiesis. *Trends Immunol.* 2023 Sep

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