

# PE-Cy7 Mouse Anti-Human CD127

Purified PE-Cy7-conjugated Recombinant Mouse Monoclonal Antibody

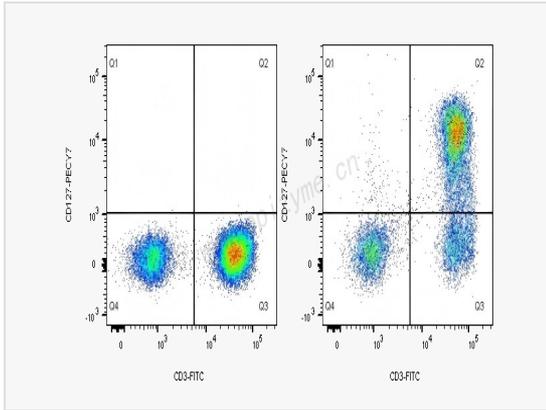
Catalog # F101214

## Product Information

Application	FC
Recommended Usage	5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood.
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone No.	68C65P27
Isotype	IgG1, $\kappa$
Label	PE-Cy7
Immunogen	Recombinant protein of human CD127
Format	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.
Storage	Shipped on wet ice. Store undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze.
Precautions	PE-Cy7 Mouse Anti-Human CD127 [68C65P27] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	CD 127, CD127, CD127 antigen, CDw127, IL 7R alpha, IL 7R, IL-7 receptor subunit alpha, IL-7R subunit alpha, IL-7R-alpha, IL-7RA, IL7R, IL7RA, IL7RA_HUMAN, IL7Ralpha, ILRA, Interleukin 7 receptor alpha chain, Interleukin 7 receptor, Interleukin 7 receptor isoform H5 6, Interleukin-7 receptor subunit alpha.
Uniprot ID	P16871
Gene ID	3575
Background	The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found. [provided by RefSeq, Dec 2015]
Cellular Location	Isoform 1 Cell membrane;Single-pass type I membrane protein. Isoform 3 Cell membrane;Single-pass type I membrane protein. Isoform 4 Secreted.
Tissue Location	Tissue enhanced (Lymphoid tissue).



Typical flow-cytometry plots of human peripheral-blood leukocytes stained with anti-CD3-FITC (F100105) and anti-CD127-PE-Cy7 (F101214) (right) or with anti-CD3-FITC (F100105) alone as a control (left).