

BF488 Rat Anti-Mouse CD127

Purified BF488-conjugated Recombinant Rat Monoclonal Antibody

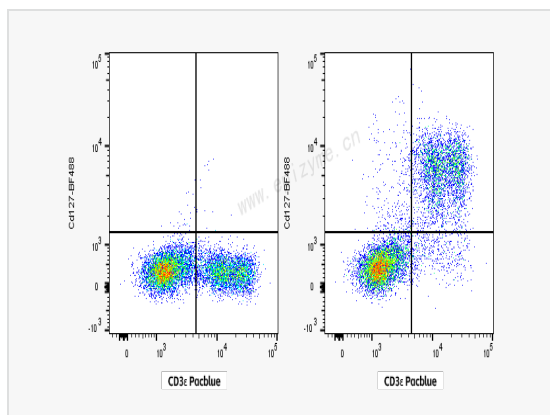
Catalog # F207906

Product Information

Application	FC
Recommended Usage	5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood.
Reactivity	Mouse
Host	Rat
Clonality	Monoclonal
Clone No.	62E28L27
Isotype	IgG2a, κ
Label	BF488 (Ex/Em: 494/517 nm)
Immunogen	Recombinant protein of mouse 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	BF488 Rat Anti-Mouse CD127 [62E28L27] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CD127; Interleukin-7 receptor subunit alpha; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; CDw127; IL7R.
Uniprot ID	P16872
Gene ID	16197
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 alpha/gamma 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 alpha chain of IL7R determines specific signaling events through its association with cytoplasmic signaling molecules. [provided by RefSeq, Jul 2008]
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Spleen, thymus and fetal liver.



Typical flow-cytometry plots of mouse C57BL/6J splenocytes stained with anti-CD3ε-Pacblue (F207702) and anti-CD127-BF488 (F207906) (right) or with anti-CD3ε-Pacblue (F207702) alone as a control (left).