

## PE Anti-Human CD127 (IL-7R $\alpha$ ) Antibody

<b>Catalog Number:</b>	104809, 104810
<b>Size:</b>	25 tests, 100 tests
<b>Target Name:</b>	CD127, IL-7 receptor $\alpha$ chain, IL-7R $\alpha$
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Clone:</b>	127AB
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	Human
<b>Format:</b>	PE
<b>Isotype:</b>	Rabbit IgG
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
<b>Protein Concentration:</b>	Supplied at a lot-specific concentration.
<b>Storage&amp;Handling:</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
<b>Recommended Usage:</b>	For flow cytometric staining, it is recommended to use 5 $\mu$ L of this reagent per 0.5-1.0 million cells in a 100 $\mu$ L volume. Optimal reagent performance should be determined by titration for each specific application.
<b>Excitation Laser:</b>	Blue Laser (488 nm) Green/Yellow laser (532/561nm)

### BACKGROUND INFORMATION

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The interleukin-7 receptor is a protein found on the surface of cells. It is made up of two different smaller protein chains - i.e. it is a heterodimer, and consists of two subunits, interleukin-7 receptor- $\alpha$  (CD127) and common- $\gamma$  chain receptor (CD132). The common- $\gamma$  chain receptors is shared with various cytokines, including interleukin-2, -4, -9, and -15. Interleukin-7 receptor is expressed on various cell types, including naive and memory T cells and many others. Interleukin-7 receptor has been shown to play a critical role in the development of immune cells called lymphocytes.