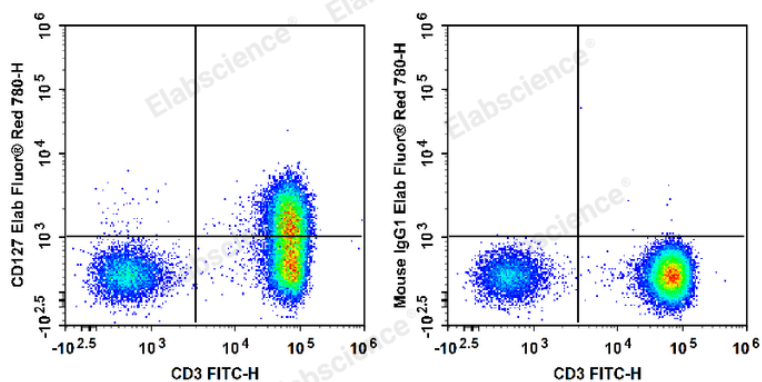


Product name:	BrightRed 780 Anti-Human CD127/IL-7RA Antibody[A019D5]
Cat number:	MAB1152S
Conjugate:	BrightRed 780
Size:	100Tests
Clone:	Monoclonal
Concentration:	5 µL/Test
Host:	Mouse
Isotype:	Mouse IgG1, κ
Reactivity:	Human
Applications:	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Form:	Liquid
Buffer:	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
Storage:	This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Background:	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 cells, thymocytes (except CD4/CD8 double positive thymocytes), peripheral T cells, and bone marrow stromal cells. CD127 has been reported to be a useful marker for identifying memory and effector T cells. Studies have shown that CD127 expression is down-modulated on Treg cells. It can be used as a marker for differentiation of Treg and conventional 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 cell proliferation and development.



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and BrightRed 780 Anti-Human CD127/IL-7RA Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and BrightRed 780 Mouse IgG1, κ Isotype Control (Right).