

Elab Bright™ Violet 421 Anti-Mouse CD127/IL-7RA Antibody[A7R34]

Catalog Number: E-AB-F1023Q2

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	A7R34
Isotype Control	Elab Bright™ Violet 421 Rat IgG2a, κ Isotype Control[R35-95] [Product AN00822Q2]
Conjugation	Elab Bright™ Violet 421
Conjugation Information	Elab Bright Violet 421 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 421 nm (e.g., a 450/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

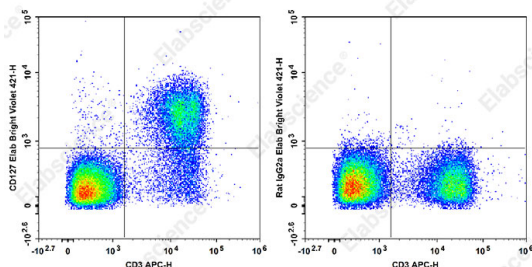
Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of C57BL/6 murine splenocytes cells with APC Anti-Mouse CD3 Antibody and Elab Bright Violet 421 Anti-Mouse CD127 Antibody[A7R34] (left) or Elab Bright Violet 421 Rat IgG2a, κ Isotype Control (right). Total viable cells were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	CD127;IL-7 receptor subunit alpha;IL-7R subunit alpha;IL-7R-alpha;IL-7RA;IL7r;
Uniprot ID	Interleukin-7 receptor subunit alpha P16872

For Research Use Only

Gene ID

16197

Background

CD127 is a 60-90 kD type I transmembrane glycoprotein also known as IL-7 receptor α chain or IL-7R α . It forms a heterodimer with the common γ chain (γ c 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, thymocytes (except CD4/CD8 double positive thymocytes), peripheral T cells, and bone marrow stromal cells. CD127 has been reported to be an useful marker for identifying memory and effector 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 cells proliferation and development.