

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Red 780 Anti-Human CD127/IL-7RA Antibody[A019D5]

Catalog Number: E-AB-F1152S

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

Description

Reactivity Human Host Mouse

 Isotype
 Mouse IgG1, κ

 Clone No.
 A019D5

Isotype Control Elab Fluor® Red 780 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792S]

Conjugation Elab Fluor[®] Red 780

Conjugation Information Elab Fluor[®] Red 780 is designed to be excited by the Red (627-640 nm) laser and

detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).

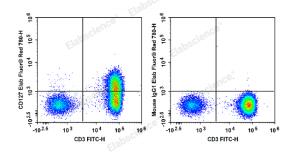
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



Human peripheral blood lymphocytes are stained with FITC

Anti-Human CD3 Antibody and Elab Fluor® Red 780 Anti-Human CD127/IL-7RA Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and Elab Fluor

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;CDw127;IL-7RA;IL-7Rα;Interleukin-7 receptor subunit alpha

 Uniprot ID
 P16871

 Gene ID
 3575

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

[®] Red 780 Mouse IgG1, к Isotype Control (Right).

Elabscience Bionovation Inc.



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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 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.