

A Reliable Research Partner in Life Science and Medicine

APC Anti-Mouse CD122/IL-2RB Antibody[5H4]

Catalog Number: E-AB-F1029UE

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ

Clone No. 5H4

APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833E] Isotype Control

Conjugation

Conjugation Information APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

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

Applications Recommended usage

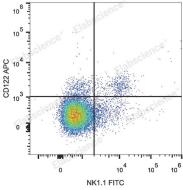
Each lot of this antibody is quality control tested by flow cytometric analysis. Please **FCM**

> check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

> reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD122 Antibody and FITC Anti-Mouse NK1.1 Antibody .

Preparation & Storage

Keep as concentrated solution. Storage

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 IL-2R subunit beta; CD122; High affinity IL-2 receptor subunit beta; IL-2 receptor subunit

beta;IL-2RB;II2rb;Interleukin-2 receptor subunit beta;p70-75

Uniprot ID P16297 Gene ID 16185

For Research Use Only

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Background

Elabscience®

CD122 is a 70-75 kD IL-2 receptor β chain also known as IL-2R β , which is also shared by the IL-15 receptor. It is constitutively expressed by NK cells and at lower levels by T cells, B cells, monocytes, and macrophages. The IL-2R β chain can combine with either the common γ subunit (γ c, CD132) alone or with the γ c subunit and the IL-2R β subunit (CD25) to generate intermediate or high affinity IL-2 receptor complexes, respectively. CD122 expression levels can be upregulated by activation. The 5H4 antibody does not block IL-2 binding to the IL-2 receptor. CD122 is expressed on murine, but not human, CD8+ Tregs involved in the maintenance of T cell homeostasis.

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