

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 450 Anti-Mouse CD122 Antibody[TM-Beta 1]

Catalog Number: AN00418Q

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

Description

Reactivity Mouse Host Rat

IsotypeRat IgG2b, κClone No.TM-Beta 1

Isotype Control Elab Fluor® Violet 450 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842Q]

Conjugation Elab Fluor[®] Violet 450

Conjugation Information Elab Fluor[®] Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

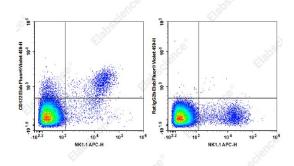
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



Staining of C57BL/6 murine splenocytes cells with APC Anti-

Mouse NK1.1 Antibody and Elab Fluor[®] Violet 450 Anti-Mouse CD122 Antibody[TM-Beta 1] (left) or Elab Fluor[®] Violet 450 Rat IgG2b 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 lce bag

Antigen Information

Alternate Names IL-2 Receptor β chain;IL-2Rβ

 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 TM- β 1 antibody does inhibit 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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