

Manufacturer/Supplier:

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Product name: Anti-Mouse CD122 Monoclonal Antibody(AF647
Conjugated)

Catalog: DL20478F

Synonyms: Interleukin-2 receptor subunit beta, IL2rb, IL-2
receptor subunit beta,
IL-2R subunit beta, IL-2RB, High affinity IL-2
receptor subunit beta, p70-75, CD122

Background: 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 α 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.

Form: Liquid

Isotype: Rat IgG2a, κ

Size: 25 μ g/100 μ g

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: AF647

SwissProt: P16297

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

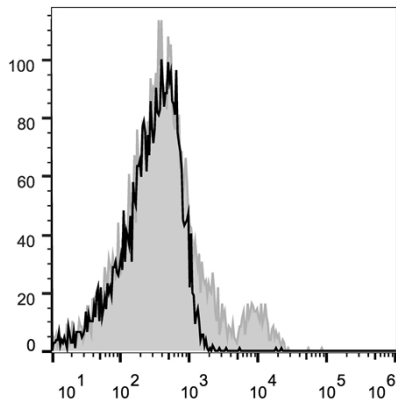
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please 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 $\mu\text{g}/10^6$ cells in 100 μL volume].

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD122 Monoclonal Antibody(AF647 Conjugated)[Used at 0.2 $\mu\text{g}/10^6$ cells dilution](filled gray histogram) or isotype control(empty black histogram).



Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.