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PE/Cyanine5 Anti-Mouse CD122/IL-2RB Antibody[5H4]

Catalog No. E-AB-F1029G Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM**

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

Antigen Information

Alternate Names Interleukin-2 receptor subunit beta, II2rb, IL-2 receptor subunit beta, IL-2R subunit

beta,IL-2RB,High affinity IL-2 receptor subunit beta,p70-75,CD122

Uniprot ID P16297

Background CD122 is a 70-75 kD IL-2 receptor β chain also known as IL-2Rβ, 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 (yc, CD132) alone or with the yc subunit and the IL- $2R\alpha$ 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.

Product Details

Form Liquid

50Tests/100Tests/100Tests×2 Size

Clone No. 5H4 Host Rat

Isotype Rat IgG2a, κ Reactivity Mouse **Application FCM**

PE/Cyanine5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832G] **Isotype Control**

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

Shipping Biological ice pack at 4 °C Stability & 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.

For Research Use Only

Toll-free: 1-888-852-8623 Email: techsupport@elabscience.com Web: www.elabscience.com

Fax: 1-832-243-6017

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Fluorophore

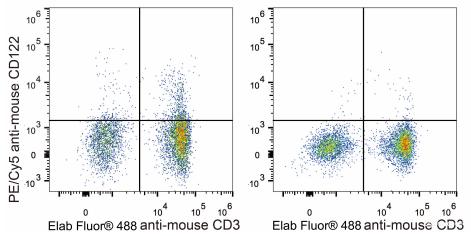
Conjugation: PE/Cyanine5

PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).

Recommended usage

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.

Product data



C57BL/6 murine splenocytes are stained with PE/Cyanine5 Anti-Mouse CD122 Antibody and Elab Fluor[®] 488 Anti-Mouse CD3 Antibody (Left). Splenocytes stained with Elab Fluor[®] 488 Anti-Mouse CD3 Antibody (Right) are used as control.

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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