Product Datasheet

# PE Anti-Mouse CD122 Antibody [5H4]

Catalogue Code: AGEL0800

## Antibody Data

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| **Product SKU:** | **AGEL0800** | **Clone:** | **5H4** |
| **Applications:** | **FCM** | | |
| **Reactivity:** | **Mouse** | | |

## Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

## Product Information:

**Alternate Names:** 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;

**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-2Rβ chain can combine with either the common γ subunit (γc, CD132) alone or with the γc subunit and the IL-2Rα 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.

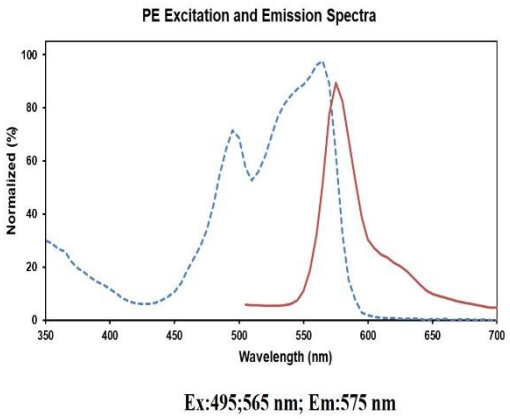
**Form:** Liquid

**Conjugation:** PE

**Size:** 25µg, 100µg

**Host Species:** Rat

**Isotype:** Rat IgG2a, κ




Ex:495;565 nm; Em:575 nm

**Isotype Control:** PE Rat IgG2a, κ Isotype Control[2A3] [Product AGEL0800]

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

**Shipping:** Biological ice pack at 4℃

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| **Stability & Storage:** | Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase. |
| **Recommended Usage:** | 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 µg/106 cells in 100 µL volume]. |