

## Rat anti-Mouse CD122 Monoclonal Antibody | anti-CD122 antibody

Anti-Mouse CD122 Monoclonal Antibody (PE/Cy5 Conjugated)

|                               |                    |                            |                                                         |
|-------------------------------|--------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA174614</b> | HOST<br><b>Rat</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|--------------------|----------------------------|---------------------------------------------------------|

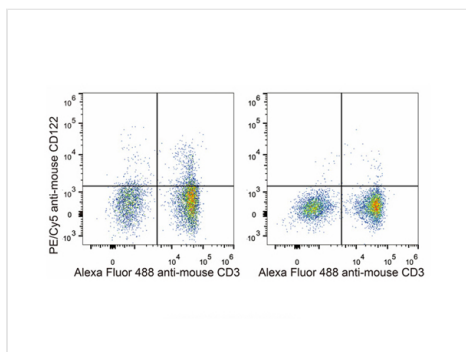
### PRODUCT SYNONYMS

CD122; Monoclonal Antibody; Anti-Mouse CD122 Monoclonal Antibody (PE/Cy5 Conjugated); 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; anti-CD122 antibody

### PRODUCT SPECIFICATIONS

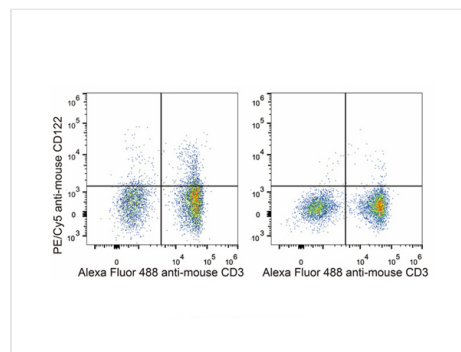
|                                                 |                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| Host                                            | Rat                                                                                  |
| Reactivity                                      | Mouse                                                                                |
| Clonality                                       | Monoclonal                                                                           |
| Isotype                                         | IgG2a                                                                                |
| Clone Number                                    | 5H4                                                                                  |
| Form/Format                                     | Liquid; PBS with 0.05% Proclin300, 1% BSA                                            |
| Sequence Length                                 | 539                                                                                  |
| Applicable Applications for anti-CD122 antibody | FCM/FACS (Flow Cytometry)                                                            |
| Conjugation                                     | PE/Cy5                                                                               |
| Preparation and Storage                         | Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

C57BL/6 murine splenocytes are stained with Anti-Mouse CD122 Monoclonal Antibody(PE/Cy5 Conjugated)(left). Splenocytes stained with Anti-Mouse CD3 Monoclonal Antibody(Alexa Fluor 488 Conjugated)(right) are used as control.



#### FCM/FACS (Flow Cytometry)

Flow cytometry antibody

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD122 antibody | CD122 is a 70-75 kD IL-2 receptor beta chain also known as IL-2Rbeta, 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-2Rbeta chain can combine with either the common gamma subunit (gammac, CD132) alone or with the gammac subunit and the IL-2Ralpha 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. |
| References                                          | 1. Barclay A, et al. 1997. The Leukocyte Antigen FactsBook Academic Press. 2. Minami Y, et al. 1993. Annu. Rev. Immunol. 11:245. 3. Suzuki H, et al. 1995. Science 268:1472. 4. Shi Z, et al. 2009. Eur. J. Immunol. 39:2109.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 6680427                                                    |
| NCBI GeneID                      | 16185                                                      |
| NCBI Accession #                 | NP_032394.1                                                |
| NCBI GenBank Nucleotide #        | NM_008368.4                                                |
| UniProt Accession #              | P16297                                                     |
| NCBI Official Full Name          | interleukin-2 receptor subunit beta                        |
| NCBI Official Synonym Full Names | interleukin 2 receptor, beta chain                         |
| NCBI Official Symbol             | IL2rb                                                      |
| NCBI Official Synonym Symbols    | p70; CD122; IL15Rbeta; IL-2Rbeta; IL-15Rbeta; IL-2/15Rbeta |
| NCBI Protein Information         | interleukin-2 receptor subunit beta                        |
| UniProt Protein Name             | Interleukin-2 receptor subunit beta                        |
| UniProt Gene Name                | IL2rb                                                      |
| UniProt Synonym Gene Names       | IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB     |
| UniProt Entry Name               | IL2RB_MOUSE                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd122-antibody-clone-5h4-flow-cytometry-elisa/174614>