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## Biotin Anti-Mouse CD122/IL-2RB Antibody[5H4]

Catalog Number: E-AB-F1029B

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

**Description** 

Reactivity Mouse Host Rat

lsotype Rat lgG2a, κ

Clone No. 5H4

**Isotype Control** Biotin Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833B]

Conjugation Biotin

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. For flow

cytometric staining, the suggested use of this reagent is  $\leq$  1.0  $\mu$ g per 10<sup>6</sup> cells in 100  $\mu$ L volume or 100  $\mu$ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

**Preparation & Storage** 

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

**Antigen Information** 

Alternate Names IL-2R subunit beta;CD122;High affinity IL-2 receptor subunit beta;IL-2 receptor subunit

beta;IL-2RB;Il2rb;Interleukin-2 receptor subunit beta;p70-75

 Uniprot ID
 P16297

 Gene ID
 16185

**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 $\beta$  chain can combine with either the common  $\gamma$  subunit ( $\gamma$ c, CD132) alone or with the  $\gamma$ c 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.