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

**Catalog:** DL20460F

**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  $\beta$  chain also  
known as IL-2R $\beta$ , 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<sup>+</sup> Tregs involved in the maintenance of T cell homeostasis.

**Form:** Liquid

**Isotype:** Rat IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Biotin

**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. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal

performance for each application.

**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.