

Antibody Data

Product SKU:	AGEL0145	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-2R β , 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 (γ c, CD132) alone or with the γ c subunit and the IL-2R α 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:	Biotin
Size:	25µg, 100µg
Host Species:	Rat
Isotype:	Rat IgG2a, κ
Isotype Control:	Biotin Rat IgG2a, κ Isotype Control[2A3] [Product AGEL0145]
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. 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. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
