Product Datasheet

Low Endotoxin Purified Anti-Mouse CD122 Antibody [5H4]

Catalogue Code: AGEL2161

Antibody Data

Product SKU:	**AGEL2161**	**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: None (AF/LE)

Size: 50µg, 500µg, 1mg

Host Species: Rat

Isotype: Rat IgG2a, κ

Isotype Control: AF/LE Purified Rat IgG2a, κ Isotype Control[2A3] [Product AGEL2161]

Storage Buffer: 0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.

Shipping: Biological ice pack at 4℃

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 ≤ 0.5 µg per 106 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.