

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL0792</b>	<b>Clone:</b>	<b>5H4</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

**Important Note:**

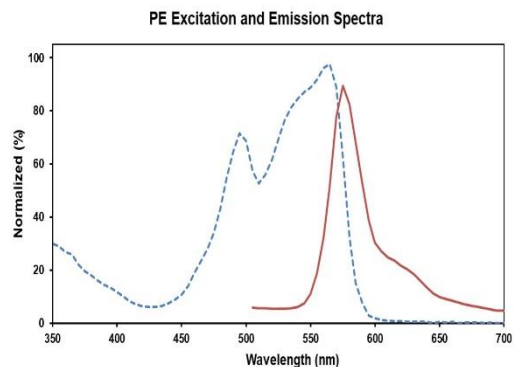
Centrifuge before opening to ensure complete recovery of vial contents.

**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  $\beta$  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+ Tregs involved in the maintenance of T cell homeostasis.

**Form:** Liquid  
**Conjugation:** PE  
**Size:** 50 Tests, 100 Tests, 200 Tests  
**Host Species:** Rat  
**Isotype:** Rat IgG2a,  $\kappa$



Ex:495;565 nm; Em:575 nm

**Isotype Control:** PE Rat IgG2a,  $\kappa$  Isotype Control[2A3] [Product AGEL0792]  
**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. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.