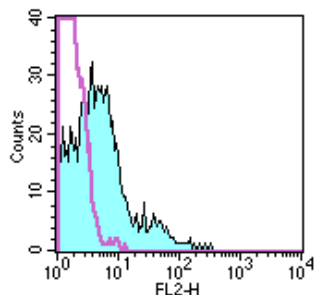


## Anti-Mouse CD122 PE

**Catalog Number:** 12-1221

**Also Known As:** Interleukin-2 Receptor beta, IL-2Rb

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of BALB/c splenocytes with staining buffer (autofluorescence) (open histogram) or 0.125 µg of Anti-Mouse CD122 PE (filled histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD122 PE

**REF** **Catalog Number:** 12-1221

**Clone:** 5H4

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2a, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The 5H4 antibody reacts with mouse CD122, the 90-110 kDa interleukin-2 receptor beta chain. CD122 is expressed by NK cells and some T cells in the periphery and is upregulated by activation. CD122 associates with CD25 and CD132 (common γ chain) to form the high affinity IL-2 receptor. Binding of IL-2 to CD122 is not inhibited by the 5H4 antibody.

### Applications Reported

The 5H4 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The 5H4 antibody has been tested by flow cytometric analysis of resting and activated mouse splenocyte suspensions. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Malek TR, Furse RK, Fleming ML, Fadell AJ, He YW. Biochemical identity and characterization of the mouse interleukin-2 receptor beta and gamma c subunits. J Interferon Cytokine Res. 1995 May;15(5):447-54.

### Related Products

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

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