

PE/Cy7 anti-human CD122 (IL-2R β)

Catalog # / Size: 2295070 / 100 tests
2295065 / 25 tests

Clone: TU27

Isotype: Mouse IgG1, κ

Immunogen: TL-Mor cell line

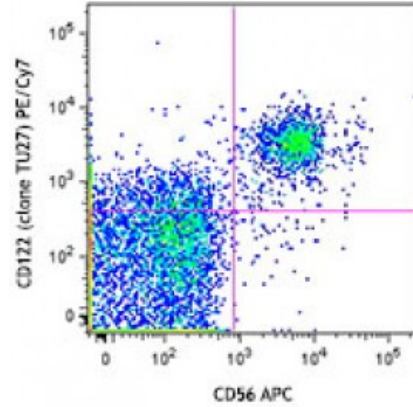
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: V C050

Concentration: Lot-specific



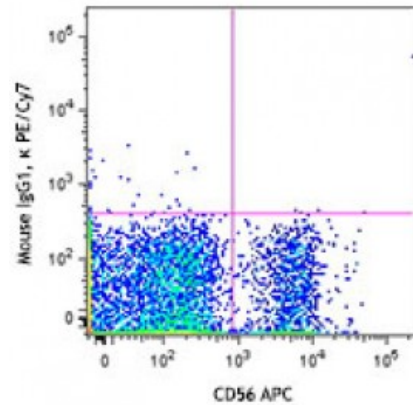
Human peripheral blood lymphocytes were stained with CD56 APC and CD122 (clone TU27) PE/Cy7 (top) or mouse IgG1, κ PE/Cy7 isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications include (for the relevant formats) include: immunoprecipitation, blocking of IL-2 binding to CD122, and partial inhibition of IL-2 induced cell proliferation.



Application References: 1. Takeshita T, *et al.* 1989. *J. Exp. Med.* 169:1323.

Description: CD122 is a 70-75 kD type I transmembrane glycoprotein and member of the Ig superfamily. It is IL-2 receptor β chain also known as IL-2R β , which is also shared by the IL-15 receptor. CD122 is constitutively expressed by NK cells and at lower levels by a subset of T cells. Its expression is upregulated upon activation. 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.

Antigen 1. Zola H, *et al.* 2007. *Leukocyte and Stromal Cell Molecules*:The CD Markers

- References:** Wiley-Liss A John Wiley & Sons Inc, Publication
2. Minami Y, *et al.* 1993. *Annu. Rev. Immunol.* 11:245.
3. Suzuki H, *et al*