

**PE/Cy7 anti-human CD25**

**Catalog # / Size:** 2113060 / 100 tests  
2113055 / 25 tests

**Clone:** BC96

**Isotype:** Mouse IgG1, κ

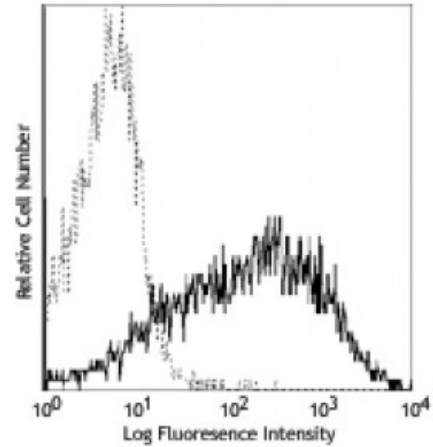
**Reactivity:** Human

**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 T-072

**Concentration:** Lot-specific



PHA-stimulated (3 day) human peripheral blood lymphocytes were stained with CD25 (clone BC96) PE/Cy7 (solid line) or mouse IgG1, κ PE/Cy7 isotype control (dotted line).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or 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: immunofluorescence3.

**Application References:**

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- Kmieciak M, *et al.* 2009. *J. Transl. Med.* 7:89. (FC) [PubMed](#)
- Ernst CW, *et al.* 2007. *Clin. Exp. Immunol.* 148:271. (IF) [PubMed](#)
- Weinberg A, *et al.* 2015. *PLoS One.* 10:122431. [PubMed](#)

**Description:** CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor α chain or Tac. It is expressed on progenitor lymphocytes, activated T and B cells, and activated monocytes/macrophages. CD25 is also expressed on a subset of non-stimulated CD4<sup>+</sup> T cells termed T regulatory cells. CD25 associates with the IL-2 receptor β (CD122) and common γ chains (CD132) to form the high affinity IL-2R complex.

**Antigen References:**

- Taniguchi T, *et al.* 1993. *Cell* 73:5.
- Waldmann T. 1991. *J. Biol. Chem.* 266:2681.