

# Product Data Sheet

## PE/Cy7 anti-human CD25

**Catalog # / Size:** 302611 / 25 tests  
302612 / 100 tests

**Clone:** BC96

**Isotype:** Mouse IgG1,  $\kappa$

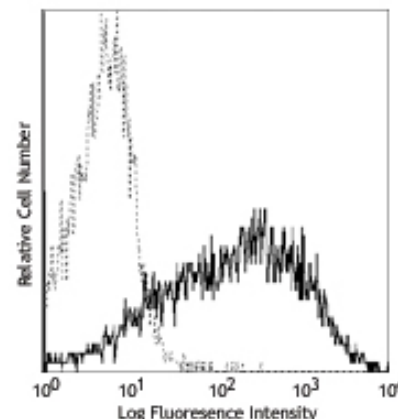
**Workshop Number:** V T-072

**Reactivity:** Human, **Cross-Reactivity:** Baboon, Chimpanzee, Cynomolgus, Rhesus, Pigtailed Macaque

**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).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



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

## Applications:

**Applications:** FC - Quality tested

**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  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

**Application References:** 1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.  
2. Kmiecik M, *et al.* 2009. *J. Transl. Med.* 7:89. (FC) PubMed

**Description:** CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor  $\alpha$  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  $\beta$  (CD122) and common  $\gamma$  chains (CD132) to form the high affinity IL-2R complex.

**Antigen References:** 1. Taniguchi T, *et al.* 1993. *Cell* 73:5.  
2. Waldmann T. 1991. *J. Biol. Chem.* 266:2681.

### Related Products:

Product  
Cell Staining Buffer  
RBC Lysis Buffer (10X)  
PE/Cy7 anti-human CD69  
PE/Cy7 Mouse IgG1,  $\kappa$  Isotype Ctrl  
Human TruStain FcX™ (Fc Receptor Blocking Solution)

### Clone

FN50  
MOPC-21

### Application

FC, ICC, ICFC  
FC, ICFC  
FC  
FC, ICFC  
FC, ICC, ICFC



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