

Alexa Fluor® 488 anti-human CD25

Catalog # / Size: 302615 / 25 tests
302616 / 100 tests

Clone: BC96

Isotype: Mouse IgG1, κ

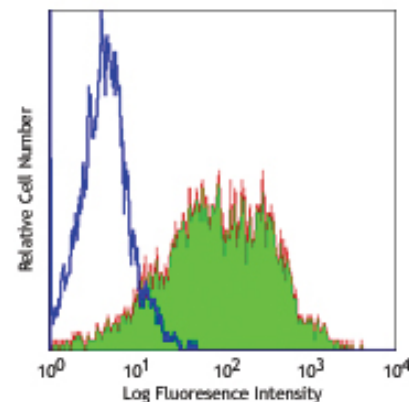
Workshop Number: V T-072

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

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488.

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

Storage: The CD25 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) Alexa Fluor® 488 (filled histogram) or mouse IgG1, κ Alexa Fluor® 488 isotype control (open histogram).

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this CD25 antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 μ l per million cells or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

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

Related Products: Product

Cell Staining Buffer
Alexa Fluor® 488 Mouse IgG1, κ Isotype Ctrl (FC)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MOPC-21

Application

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



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