

APC anti-human CD30

Catalog # / Size: 333909 / 25 tests
333910 / 100 tests

Clone: BY88

Isotype: Mouse IgG1, κ

Workshop Number: V BP173

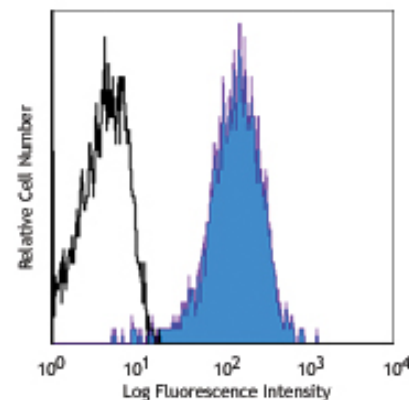
Immunogen: Recombinant human CD30 boosted with THP-1 cell line

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC 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.**



Human T lymphoma cell line Hut-78
stained with APC BY88

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 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ 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 regarding the test size change.

Application Notes: Additional reported application: in combination with IL-2 and PMA to induce T cell clone proliferation.

Application References: 1. Leca G, *et al.* 1994. *Cell. Immunol.* 156:230.
2. Velasquez SY, *et al.* 2012. *Hum Immunol.* 73:1102. PubMed.

Description: CD30, also known as Ki-1 antigen, lymphoid activation antigen CD30, and tumor necrosis factor receptor superfamily member 8 is a type I transmembrane receptor that contains four TNF receptor domains with an approximate molecular weight of 64 kD. CD30 is highly expressed on Hodgkins and Reed-Sternberg cells as well as activated, but not resting, T and B cells. CD30 has been shown to interact with a number of proteins including TRAF1, TRAF2, TRAF3, TRAF5, NPM-ALK, TRAF-interacting protein, and CD30 ligand (CD153). Signaling through CD30 is thought to limit the proliferative potential of autoreactive CD8 effector T cells and protect against autoimmunity.

Antigen References: 1. Durkop H, *et al.* 1992. *Cell* 68:421.
2. Aizawa S, *et al.* 1997. *J. Biol. Chem.* 272:2042.
3. Stein H, *et al.* 1982. *Int. J. Cancer* 30:445.

Related Products:

| | | |
|---|--------------|--------------------|
| Product | Clone | Application |
| APC Mouse IgG1, κ Isotype Ctrl | MOPC-21 | FC, ICFC |
| Cell Staining Buffer | | FC, ICC, ICFC |
| RBC Lysis Buffer (10X) | | FC, ICFC |
| Human TruStain FcX™ (Fc Receptor Blocking Solution) | | FC, ICC, ICFC |



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