

## PE anti-human CD30

**Catalog # / Size:** 333906 / 100 tests

**Clone:** BY88

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

**Workshop Number:** V BP173

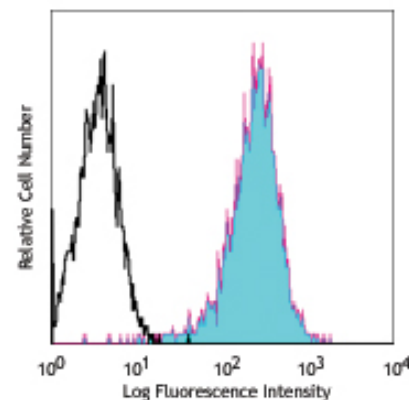
**Immunogen:** Recombinant human CD30 boosted with THP-1 cell line

**Reactivity:** Human

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

**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.

**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
	PE Mouse IgG1, $\kappa$ Isotype Ctrl (FC)	MOPC-21	FC
	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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