

PE anti-human CD134 (OX40)

Catalog # / Size: 2350015 / 25 tests
2350020 / 100 tests

Clone: Ber-ACT35 (ACT35)

Isotype: Mouse IgG1, κ

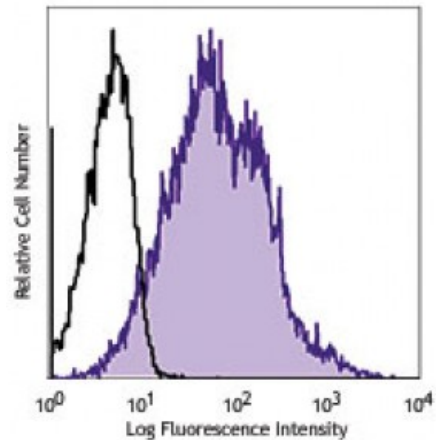
Immunogen: HTLV 1-transformed HUT 102 cells

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).

Concentration: Lot-specific



3-day PHA-activated human peripheral blood lymphocytes were stained with OX-40 (clone Ber-ACT35) PE (filled histogram) or mouse IgG1, κ PE isotype control (open histogram).

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 (for the relevant formats) include: Western blotting¹, immunoprecipitation¹, immunohistochemical staining^{2,3} of paraffin embedded⁷ and frozen tissue sections, ELISA⁴, and functional assay⁵. The LEAF™ or Ultra-LEAF™ purified antibody is recommended for functional assays (contact our [custom solutions team](#)).

- Application References:**
1. Latza U, *et al.* 1994. *Eur. J. Immunol.* 24:677. (WB, IP)
 2. Durkop H, *et al.* 1995. *Brit. J. Haematol.* 91:927. (IHC)
 3. Durkop H, *et al.* 1997. *Brit. J. Haematol.* 98:863. (IHC)
 4. Willett B, *et al.* 2007. *J. Virol.* 81:9665. (ELISA)
 5. Li M and Zhang Y. *et al.* 2005. *Cell. Mol. Immunol.* 2:467. (FA)
 6. Gloviczki ML, *et al.* 2012. *Clin. J. Am. Soc. Nephrol.* 8:546. [PubMed](#)
 7. Domingos PL, *et al.* 2012. *An. Bras. Dermatol.* 87:851. (IHC)

Description: CD134, also known as OX40 and TNFRSF4, is a 50 kD type I transmembrane glycoprotein. It is a member of the TNF receptor family. OX40 is expressed on activated T lymphocytes including Th1, Th2, Th17, and Treg cells. The interaction of OX40 with OX40L results in B cell proliferation and antibody secretion, regulation of primary T cell expansion, and T cell survival. OX40 influences the size of the T cell memory pool and regulation of CD4⁺ T cell tolerance.

- Antigen References:**
1. Smith CA, *et al.* 1994. *Cell.* 76:959.
 2. Chen AL, *et al.* 1999. *Immunity.* 11:689.

3. Croft M. 2010. *Annu. Rev. Immunol.* 28:57.
4. Ruby CE, *et al.* 2009. *J. Immunol.* 183:5079