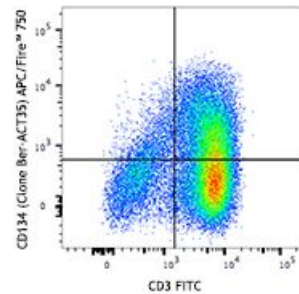


APC/Fire™ 750 anti-human CD134 (OX40)

Catalog # / 2350155 / 25 tests
Size: 2350160 / 100 tests
Clone: Ber-ACT35 (ACT35)
Isotype: Mouse IgG1, κ
Immunogen: HTLV 1-transformed HUT 102 cells
Reactivity: Human, Other
Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number: 750 under optimal conditions.
Concentration: Lot-specific



PHA-stimulated (3 days) human peripheral blood lymphocytes were stained with CD3 FITC and CD134 (clone Ber-ACT35) APC/Fire™ 750 (top), or mouse IgG1, κ isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

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.

- 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.
5. Klinger M, *et al.* 2009. *J. Immunol.* 182:4581.