

Brilliant Violet 421™ anti-human CD134 (OX40)

Catalog # / Size: 2350070 / 100 tests
2350065 / 25 tests

Clone: Ber-ACT35 (ACT35)

Isotype: Mouse IgG1, κ

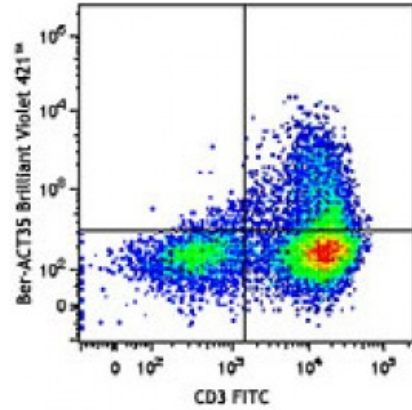
Immunogen: HTLV 1-transformed HUT 102 cells

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.

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

Concentration: Lot-specific

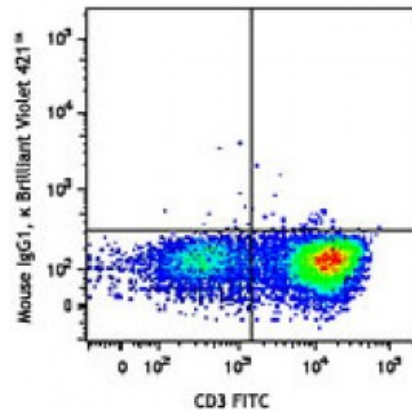


PHA-stimulated (3-days) human peripheral blood lymphocytes were stained with CD3 FITC and OX-40 (clone Ber-ACT35) Brilliant Violet 421™ (top), or mouse IgG1, κ Brilliant Violet 421™ isotype control (bottom).

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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applications and foreign equivalents.

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