

CD134 (OX40) Monoclonal Antibody (ACT35 (ACT-35)), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ACT35 (ACT-35)
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10597448

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	2 Publications

Product Specific Information

Description: The ACT35 monoclonal antibody reacts with human CD134, also known as OX-40. A member of the TNF receptor superfamily, CD134/OX-40 is a 50 kDa type I membrane glycoprotein expressed by activated T lymphocytes. The interaction of CD134 with OX-40L has been implicated in T cell-dependent humoral response, regulation of primary T cell expansion, survival of T cells, size of the memory T cell pool and regulation of tolerance in the CD4⁺ T cell compartment.

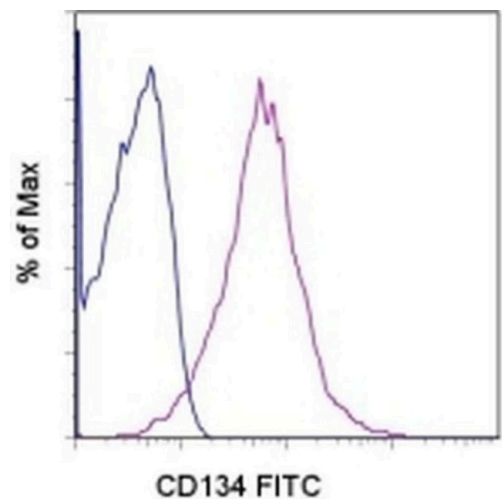
Applications Reported: This ACT35 (ACT-35) antibody has been reported for use in flow cytometric analysis, immunohistology staining of frozen tissue sections, and immunohistology staining of paraffin embedded tissue sections.

Applications Tested: This ACT35 (ACT-35) antibody has been pre-titrated and tested by flow cytometric analysis of 3-day PHA-activated human normal human peripheral blood cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD134 (OX40) Monoclonal Antibody (ACT35 (ACT-35)), FITC, eBioscience™



CD134 (OX40) Antibody (11-1347-42) in Flow
Staining of PHA-stimulated (purple histogram) and unstimulated (blue histogram) human PBMCs with Anti-Human CD134 FITC. Cells in the lymphocyte gate were used for analysis.

2 References

Flow Cytometry (2)

<p>British journal of cancer</p> <p>Changes in circulating exosome molecular profiles following surgery/ (chemo)radiotherapy: early detection of response in head and neck cancer patients.</p> <p>"Published figure using CD134 (OX40) monoclonal antibody (Product # 11-1347-42) in Flow Cytometry"</p> <p>Authors: Theodoraki MN,Laban S,Jackson EK,Lotfi R,Schuler PJ,Brunner C,Hoffmann TK,Whiteside TL,Hofmann L</p>	<p>Year</p> <p>2021</p>
<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>IL-7 abrogates suppressive activity of human CD4+CD25+FOXP3+ regulatory T cells and allows expansion of alloreactive and autoreactive T cells.</p> <p>"11-1347 was used in Flow cytometry/Cell sorting to explore the possibility that IL-7 may affect the function of CD4(+) CD25(+)FOXP3(+) regulatory T cells (Tregs)."</p> <p>Authors: Heninger AK,Theil A,Wilhelm C,Petzold C,Huebel N,Kretschmer K,Bonifacio E,Monti P</p>	<p>Year</p> <p>2012</p> <p>Species</p> <p>Human</p>

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