

# CD134 (OX40) Monoclonal Antibody (OX40), APC, eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Rat
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX40
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573160

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	-

## Product Specific Information

**Description:** The monoclonal antibody OX40 reacts with rat CD134, a 50-kDa glycoprotein belonging to the TNFR superfamily. CD134, which is also known as OX40, is expressed on activated T cells, TH1, TH2, TH17, and Tregs, but not on naive CD4 or CD8 T cells or most memory cells. CD134 is also inducible on NKT cells, neutrophils, and NK cells. CD134 binds to CD252 (OX40L) to mediate T cell expansion and survival, as well as memory T cell generation. Finally, CD134 is involved in Treg suppression and tolerance.

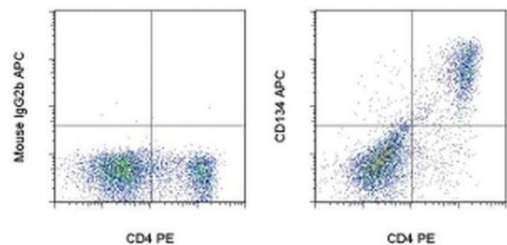
**Applications Reported:** This OX40 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This OX40 antibody has been tested by flow cytometric analysis of stimulated rat splenocytes. This can be used at less than or equal to 0.125 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For CD134 (OX40) Monoclonal Antibody (OX40), APC, eBioscience™



**CD134 (OX40) Antibody (17-1342-82) in Flow**

Staining of 3-day Con A-stimulated rat splenocytes with Anti-Rat CD4 PE (Product # 12-0040-82) and 0.06 µg of Mouse IgG2b K Isotype Control APC (Product # 17-4732-81) (left) or 0.06 µg of Anti-Rat CD134 (OX40) APC (right). Total viable cells were used for analysis.

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