

CD134 (OX40) Monoclonal Antibody (OX-86), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX-86
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 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_2573396

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	3 Publications

Product Specific Information

Description: The OX-86 monoclonal antibody reacts with mouse CD134, also known as OX40. A member of the TNF receptor superfamily, CD134 is a 50 kDa type I membrane glycoprotein expressed by activated mouse T lymphocytes. Rat CD134 was initially identified as an activation marker only on activated CD4+ T cells. In contrast, mouse CD134 is expressed by both activated CD4+ and CD8+ T cells. The interaction of CD134 with CD252 (OX40 ligand) has been implicated in T cell-dependent humoral responses, 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 OX-86 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OX-86 antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.25 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

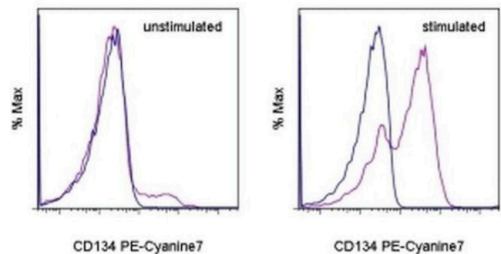
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD134 (OX40) Monoclonal Antibody (OX-86), PE-Cyanine7, eBioscience™



CD134 (OX40) Antibody (25-1341-82) in Flow
Staining of unstimulated (left) or 3-day Con A-stimulated mouse splenocytes (right) with 0.125 µg of Rat IgG1 K Isotype Control PE-Cyanine7 (Product # 25-4301-82) (blue histogram) or 0.125 µg of Anti-Mouse CD134 (OX40) PE-Cyanine7 (purple histogram). Cells in the large scatter population were used for analysis.

View more figures on thermofisher.com

4 References

Immunohistochemistry (Frozen) (1)

Cancer research	Year 2004
Adenovirus vector-mediated in vivo gene transfer of OX40 ligand to tumor cells enhances antitumor immunity of tumor-bearing hosts.	
Authors: Andarini S,Kikuchi T,Nukiwa M,Pradono P,Suzuki T,Ohkouchi S,Inoue A,Maemondo M,Ishii N,Saijo Y, Sugamura K,Nukiwa T	

Flow Cytometry (3)

Oncoimmunology	Year 2021
Bendamustine with total body irradiation conditioning yields tolerant T-cells while preserving T-cell-dependent graft-versus-leukemia.	Species Mouse
"25-1341 was used in Flow cytometry/Cell sorting to demonstrate that BEN-TBI reduces graft-versus-host disease (GvHD) compared to CY-TBI independently of T regulatory cells (Tregs)."	
Authors: Stokes J,Hoffman EA,Molina MS,Kummet N,Simpson RJ,Zeng Y,Katsanis E	

Immunity	Year 2021
Notch4 signaling limits regulatory T-cell-mediated tissue repair and promotes severe lung inflammation in viral infections.	
"Published figure using CD134 (OX40) monoclonal antibody (Product # 25-1341-82) in Flow Cytometry"	
Authors: Harb H,Benamar M,Lai PS,Contini P,Griffith JW,Crestani E,Schmitz-Abe K,Chen Q,Fong J,Marri L,Filaci G,Del Zotto G,Pishesha N,Kolifraht S,Broggi A,Ghosh S,Gelmez MY,Oktelik FB,Cetin EA,Kiykim A,Kose M,Wang Z,Cui Y,Yu XG,Li JZ,Berra L,Stephen-Victor E,Charbonnier LM,Zanoni I,Ploegh H,Deniz G,De Palma R,Chatila TA	

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