

CD134 (OX40) Monoclonal Antibody (OX-86), PerCP-eFluor 710, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX-86
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573712

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

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.

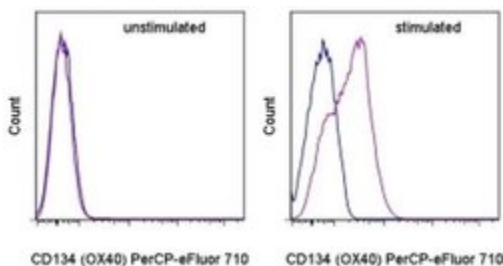
PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L of cell sample + 100 μ L 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 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For CD134 (OX40) Monoclonal Antibody (OX-86), PerCP-eFluor 710, eBioscience™



CD134 (OX40) Antibody (46-1341-82) in Flow

Staining of unstimulated (left) or 3-day Con A-stimulated C57Bl/6 splenocytes (right) with 0.125 μ g of Rat IgG1 K Isotype Control PerCP-eFluor® 710 (Product # 46-4301-80) (blue histogram) or 0.125 μ g of Anti-Mouse CD134 (OX40) PerCP-eFluor® 710 (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis.

2 References

Immunohistochemistry (Frozen) (1)

Cancer research

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

Species
Not Applicable

Dilution
Not Cited

Year
2004

Flow Cytometry (1)

Journal of immunology (Baltimore, Md. : 1950)

The Ox40/Ox40 Ligand Pathway Promotes Pathogenic Th Cell Responses, Plasmablast Accumulation, and Lupus Nephritis in NZB/W F1 Mice.

"Published figure using CD134 (OX40) monoclonal antibody (Product # 46-1341-82) in Flow Cytometry"

Authors: Sitrin J, Suto E, Wuster A, Eastham-Anderson J, Kim JM, Austin CD, Lee WP, Behrens TW

Species
Not Applicable

Dilution
Not Cited

Year
2017

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