

CD134 (OX40) Monoclonal Antibody (OX-86), Functional Grade, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX-86
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_469064

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	3 Publications
Neutralization (Neu)	-	1 Publication
Functional Assay (FN)	Assay-Dependent	2 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: The OX-86 antibody has been reported for use in flow cytometric analysis. It does not block binding of CD134 to its ligand, but has been reported for use in functional assays.

Applications Tested: The OX-86 antibody has been tested by flow cytometric analysis of activated mouse splenocytes. This can be used at less than or equal to 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. It is recommended

that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

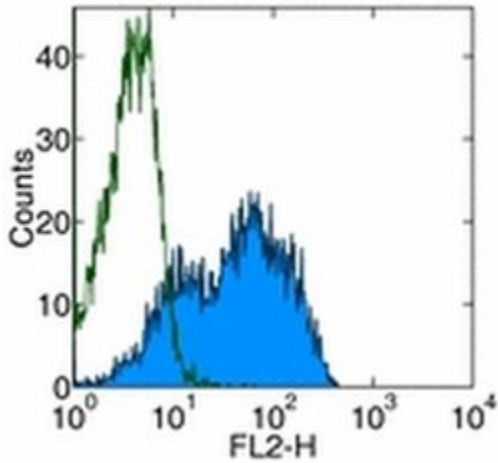
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

Product Images For CD134 (OX40) Monoclonal Antibody (OX-86), Functional Grade, eBioscience™



CD134 (OX40) Antibody (16-1341-85) in Flow

Staining of Con A stimulated mouse splenocytes with Anti-Mouse CD134 (OX40) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

8 References

Immunohistochemistry (Frozen) (2)

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

Journal of immunology (Baltimore, Md. : 1950)

Regulation of T cell activation in vitro and in vivo by targeting the OX40-OX40 ligand interaction: amelioration of ongoing inflammatory bowel disease with an OX40-IgG fusion protein, but not with an OX40 ligand-IgG fusion protein.

Authors: Higgins LM, McDonald SA, Whittle N, Crockett N, Shields JG, MacDonald TT

Species
Not Applicable

Dilution
Not Cited

Year
1999

Flow Cytometry (3)

Nature immunology

Late stages of T cell maturation in the thymus involve NF- κ B and tonic type I interferon signaling.

"16-1341 was used in Flow cytometry/Cell sorting to discover that both NF- κ B and tonic interferon signals are involved in the final maturation of thymocytes into naive T cells."

Authors: Xing Y, Wang X, Jameson SC, Hogquist KA

Species
Mouse

Dilution
Not Cited

Year
2016

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 # 16-1341-85) 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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More applications with references on thermofisher.com

Neu (1) **FN (2)**

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