CD134 (OX40) Monoclonal Antibody (OX-86), Super Bright™ 436, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX-86
Conjugate	Super Bright™ 436
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2744787

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 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 1 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

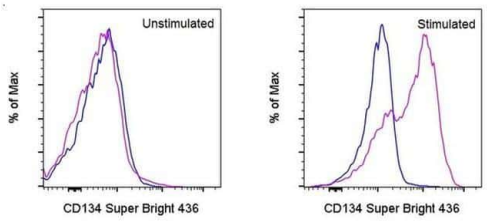
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for

Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD134 (OX40) Monoclonal Antibody (OX-86), Super Bright™ 436, eBioscience™



CD134 (OX40) Antibody (62-1341-80) in Flow
Unstimulated splenocytes (left) or 3-day Con A-stimulated mouse splenocytes (right) were stained with Rat IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4301-82) (blue histogram) or CD134 Monoclonal Antibody, Super Bright 436 (purple histogram). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Immunity

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 # 62-1341-82) 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,Kolifrath 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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2021