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Technically
Speaking

CEDARLANE[®]
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow[™]

**Anti-Mouse CD134L (OX40L) (CD252)
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8966AP	Purified	250ug	1.0 mg/ml	CLCR100
CL8966B	Biotin	100ug	0.1 mg/ml	CLCR115
CL8966F	FITC	100ug	0.1 mg/ml	CLCR101
CL8966PE	PE	50ug	0.1 mg/ml	CLCR104

Isotype: Rat IgG₁

DESCRIPTION:

Cedarlane's anti-mouse CD134L (OX40L) (CD252) monoclonal antibody reacts with a type II membrane protein that is similar to TNF that is found on activated antigen presenting cells (APC's) including B cells, dendritic cells and macrophages. CD134L mRNA is expressed in various mouse tissues including brain, skeletal muscle, kidney and spleen. This clone (OX-89) has been shown to impede T cell activation in the MLN and inhibit the development of colitis when used *in vivo*. CD134L is the ligand for CD134/OX40, and CD134/CD134L interactions are required for optimal B cell responses.

This clone is suitable for use in flow cytometry, immunohistochemistry (frozen sections) and functional assays.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography).

Biotin, FITC and PE: Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL.

No Azide: Purified Ig buffered in PBS, no preservative, 0.2 μm sterile filtered.

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE PE conjugates. For long term storage (**Purified, Biotin, FITC, No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Continued Overleaf.....

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registered company.

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SPECIFICATIONS:

Clone: OX-89

Hybridoma Production:

Immunization: Immunogen: CD4.CD134L chimeric protein
Donor: PVG rat spleen

Fusion Partner: NS1 myeloma

Specificity: Mouse CD134L (OX40L)

Ig Class: Rat IgG₁

TEST RESULTS:

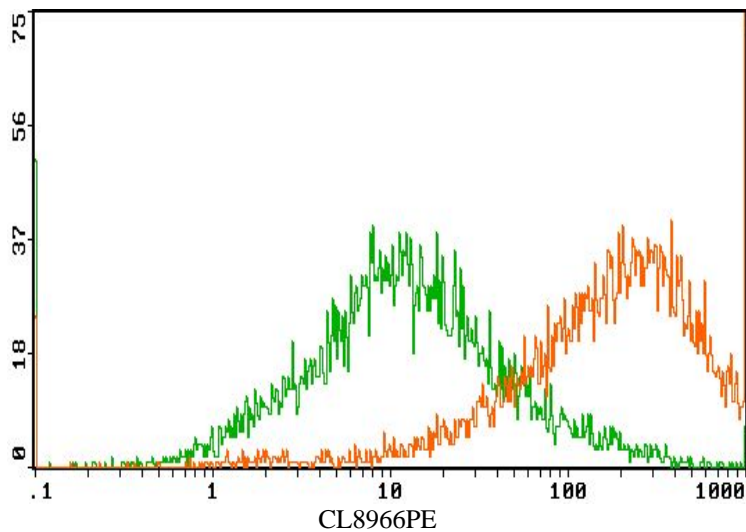
Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration : 1×10^6 cells per tests

Antibody Concentration Used: $2.0 \mu\text{g}/10^6$ cells

Isotypic Control: PE Rat IgG₁ (CLCR104)



Cell Source: 48hr LPS activated spleen cells
Percentage of cells stained above control: 28.6%

N.B. Appropriate control samples should always be included in any labelling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

Continued Overleaf.....

REFERENCES:

- 1) Malmstrom, V., *et al.* 2001. CD134L expression on dendritic cells in the mesenteric lymph nodes drives colitis in T Cell-restored SCID mice. *J. of Immunol.* **166**: 6972-6981.
- 2) Baum, P.R., *et al.* 1994. Molecular characterization of murine and human OX40/OX40 ligand systems: identification of a human OX40 ligand as the HTLV-1-regulated protein gp34. *The EMBO Journal.* **13**(17): 3992-4001.
- 3) Pippig, S.D., *et al.* 1999. Robust B cell immunity but impaired T cell proliferation in the absence of CD134 (OX40). *J. of Immunol.* **163**: 6520-6529.

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