

TECHNICAL DATA SHEET

APC Anti-Mouse CD134 (OX-86)

Catalog Number: 20-1341

PRODUCT INFORMATION

Contents: APC Anti-Mouse CD134 (OX-86)

Isotype: Rat IgG1, kappa

Concentration: 0.2 mg/mL

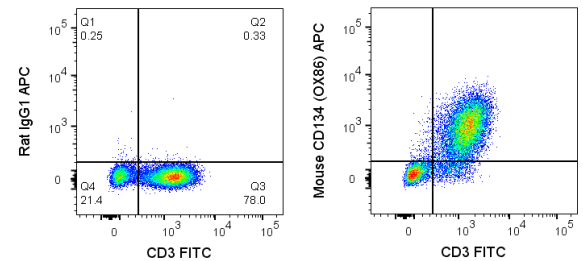
Clone: OX-86

Reactivity: Mouse

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stimulated for 3 days with ConA and then stained with FITC Anti-Mouse CD3 (35-0031) and 0.125 ug APC Anti-Mouse CD134 (20-1341) (right panel) or 0.125 ug APC Rat IgG1 (left panel).

DESCRIPTION

The OX-86 monoclonal antibody reacts with mouse CD134, a 50kD type 1 integral membrane glycoprotein and a member of the TNF receptor superfamily. CD134 is also known as OX40 and is expressed on activated CD4 and CD8 T cells. CD134 is the receptor for CD252 (OX40 ligand) and the interaction of this receptor-ligand pair is implicated in T-dependent humoral responses as well as numerous aspects of T cell expansion, survival and memory. Additionally, CD134 seems to play a significant role in the pathogenesis of some autoimmune diseases.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

al-Shamkhani A, Birkeland ML, Puklavec M, Brown MH, James W, Barclay AN. 1996. Eur J Immunol. Aug;26(8):1695-1699. Higgins LM, McDonald SA, Whittle N, Crockett N, Shields JG, MacDonald TT. 1999. J Immunol. Jan 1;162(1):486-493. Weinberg AD, Wegmann KW, Funatake C, Whitham RH. 1999. J Immunol. 162:1818-1826.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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