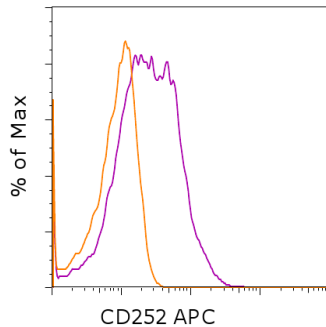


Anti-Mouse CD252 (OX40 Ligand) APC

Catalog Number: 17-5905

Also known as: Tumor necrosis factor ligand superfamily member 4, CD134L, CD134 Ligand, gp34

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 4-day unstimulated (orange histogram) and 4-day Anti-Mouse IgM and Anti-Mouse CD40-stimulated (cat. 16-0401) (purple histogram) BALB/c splenocytes with 0.25 μ g of Anti-Mouse CD252 (OX40 Ligand) APC. Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD252 (OX40 Ligand) APC

REF **Catalog Number:** 17-5905

Clone: RM134L

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

The RM134L monoclonal antibody reacts with mouse CD252 also known as OX-40 Ligand, a member of the TNF superfamily. OX-40L is induced on mouse splenic B cells stimulated with a combination of anti-IgM and anti-CD40. Neither resting nor activated mouse T cells express OX-40L. The interaction of OX-40 (CD134) with OX-40L has been implicated in T cell-dependent humoral response. RM134L inhibits the costimulatory activity of mouse OX-40L transfected cells for anti-CD3-stimulated T cell proliferation.

Applications Reported

This RM134L antibody has been reported for use in flow cytometric analysis.

Applications Tested

This RM134L antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.5 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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.

References

Akiba H, Oshima H, Takeda K, Atsuta M, Nakano H, Nakajima A, Nohara C, Yagita H, Okumura K. CD28-independent costimulation of T cells by OX40 ligand and CD70 on activated B cells. *J Immunol.* 1999 Jun 15;162(12):7058-66. (**RM134L**, FA blocking)

Akiba H, Miyahira Y, Atsuta M, Takeda K, Nohara C, Futagawa T, Matsuda H, Aoki T, Yagita H, Okumura K. Critical contribution of OX40 ligand to T helper cell type 2 differentiation in experimental leishmaniasis. *Exp Med.* 2000 Jan 17;191(2):375-80.

Tsukada N, Akiba H, Kobata T, Aizawa Y, Yagita H, Okumura K. Blockade of CD134 (OX40)-CD134L interaction ameliorates lethal acute graft-versus-host disease in a murine model of allogeneic bone marrow transplantation. *Blood.* 2000 Apr 1;95(7):2434-9.

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Related Products

16-0401 Anti-Mouse CD40 Functional Grade Purified (1C10)

17-4031 Rat IgG2b K Isotype Control APC

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