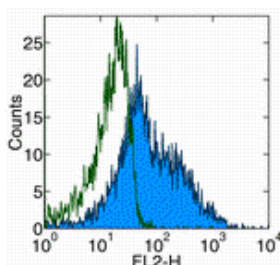


## Anti-Mouse CD252 (OX40 Ligand) Functional Grade Purified

Catalog Number: 16-5905

Also Known As: CD134L, CD134 Ligand, TNFSF4, gp34

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



Staining of Anti-Mouse IgM + Anti-Mouse CD40 (cat. 16-0401) stimulated splenocytes with Anti-Mouse CD252 (OX40 Ligand) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD252 (OX40 Ligand) Functional Grade Purified

**REF** Catalog Number: 16-5905

**Clone:** RM134L

**Concentration:** 1 mg/mL

**Host/Isotype:** Rat IgG2b, kappa

**Handling Conditions:** Use in sterile environment.

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

**Formulation:** aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

 **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, and immunoprecipitation. The RM134L monoclonal antibody has also been reported to be useful for ligand blocking.

### Applications Tested

The RM134L antibody has been tested by flow cytometric analysis of activated mouse splenocyte suspensions and 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 10<sup>5</sup> to 10<sup>8</sup> 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.

### Related Products

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

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

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