

**Purified anti-mouse CD252 (OX40L)**

**Catalog # / Size:** 1144010 / 500 µg

**Clone:** RM134L

**Isotype:** Rat IgG2b, κ

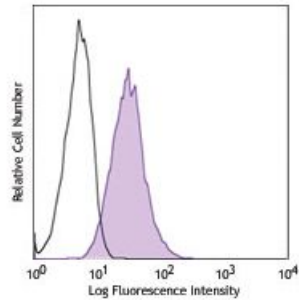
**Immunogen:** Rat NRK-52E cell line transfected with mouse OX-40L.

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5



C57BL/6 splenocytes were stimulated with anti-mouse IgM and CD40 antibodies for 3 days, then stained with purified OX40L (clone RM134L) (filled histogram) or rat IgG2b isotype control (open histogram), followed by biotinylated anti-rat IgG and Sav-PE.

**Applications:**

**Applications:** Flow Cytometry, Immunohistochemistry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** The RM134L antibody can block the costimulatory activity of OX40L. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections<sup>3</sup>, and *in vivo* and *in vitro* blocking of OX-40L-OX-40 functional interaction<sup>1,2,4</sup>. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 108808).

- Application References:**
1. Akiba H, *et al.* 1999. *J. Immunol.* 162:7058. (Block)
  2. Akiba H, *et al.* 2000. *J. Exp. Med.* 191:375. (Block)
  3. Hoshino A, *et al.* 2003. *Eur. J. Immunol.* 33:861. (IHC)
  4. Terrazas LI, *et al.* 2005. *Intl. J. Parasitology.* 35:1349. (Block)
  5. Zheng X, *et al.* 2010. *Invest Ophthalmol Vis Sci.* 51:3076. [PubMed](#)

**Description:** CD252 is a 35 kD member of the TNF superfamily and is also known as OX40 ligand, OX40L, and CD134L. The CD252 is expressed on activated B cells and antigen presenting cells. CD252 interacts with OX40 antigen (CD134), expressed predominantly on activated T cells to increase proliferation and IL-2 production and to enhance proliferation and immunoglobulin secretion in activated B cells.

- Antigen** 1. Akiba H, *et al.* 1999. *J. Immunol.* 162:7058.
- References:** 2. Stüber E, *et al.* 1995. *Immunity* 2:507.
3. Baum PR, *et al.* 1994. *EMBO J.* 13:3992.