

Alexa Fluor® 647 anti-mouse CD252 (OX40L)

Catalog # / Size: 1144050 / 100 µg
1144045 / 25 µg

Clone: RM134L

Isotype: Rat IgG2b, κ

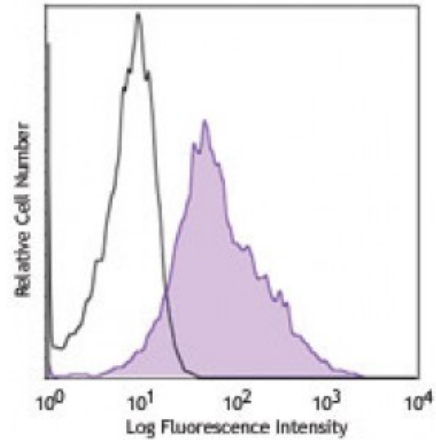
Immunogen: Rat NRK-52E cell line transfected with mouse OX-40L.

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

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 OX40L (clone RM134L) Alexa Fluor® 647 (filled histogram) or rat IgG2b Alexa Fluor® 647 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

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 10⁶ cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

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 sections³, and *in vivo* and *in vitro* blocking of OX-40L-OX-40 functional interaction^{1,2,4}. 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.