SONY

Product Data Sheet

Biotin anti-mouse CD252 (OX40 Ligand)

Catalog # / Size: 1144020 / 500 µg
1144015 / 50 µg

Clone: RM134L

Isotype: Rat IgG2b, κ

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

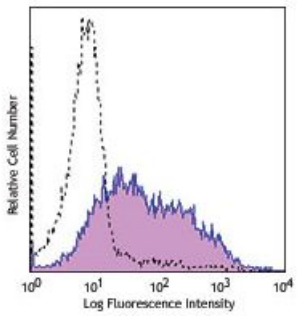
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions.

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

Workshop Number: 750 under optimal conditions.

Concentration: 0.5



C57BL/6 splenocytes were stimulated with anti-mouse IgM+CD40 antibodies for 3 days, then stained with biotinylated CD252 (clone RM134L) (filled histogram) or rat IgG2b, κisotype control (open histogram), followed by Sav-PE.

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 ≤1.0 µg per million cells in 100 µl 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 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 References:

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

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