

APC anti-mouse CD252 (OX40L) Antibody

Catalog# / Size	108811 / 25 µg 108812 / 100 µg
Clone	RM134L
Other Names	OX-40L, CD134L, CD252, TNFSF4
Isotype	Rat IgG2b, κ
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.

Product Details

Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Rat NRK-52E cell line transfected with mouse OX-40L
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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.
Excitation Laser	Red Laser (633 nm)
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 ¹ , and <i>in vivo</i> and <i>in vitro</i> 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 (PubMed link indicates BioLegend citation)	<ol style="list-style-type: none">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
Product Citations	<ol style="list-style-type: none">1. Gopisetty A, et al. 2013. J Immunol. 190:5516. PubMed2. Keitany G, et al. 2016. Cell Rep. 17:3193-3205. PubMed3. Clement M, et al. 2016. PLoS Pathog. 12:e1006050. PubMed
RRID	AB_2561562 (BioLegend Cat. No. 108811) AB_2561563 (BioLegend Cat. No. 108812)

Antigen Details

Structure	NGF/TNF superfamily, 35 kD
------------------	----------------------------

Distribution	Activated B cells, antigen presenting cells
Function	B-cell/T-cell interaction, costimulation
Ligand/Receptor	OX40 (CD134)
Cell Type	Antigen-presenting cells, B cells
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules, Immune Checkpoint Receptors
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.
Gene ID	22164

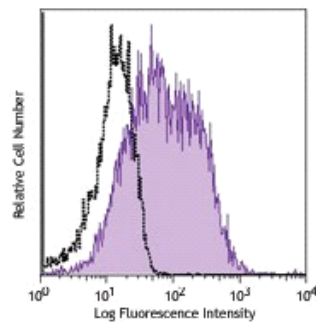
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Biotin anti-mouse CD252 (OX40L), PE anti-mouse CD252 (OX40L), Purified anti-mouse CD252 (OX40L), Alexa Fluor® 647 anti-mouse CD252 (OX40L), PE/Cyanine7 anti-mouse CD252 (OX40L), PE/Dazzle™ 594 anti-mouse CD252 (OX40 Ligand), TotalSeq™-C0924 anti-mouse CD252 (OX40 Ligand), Ultra-LEAF™ Purified anti-mouse CD252 (OX40 Ligand)

Product Data



C57BL/6 splenocytes were stimulated with anti-IgM and anti-CD40 antibodies for 3 days, and then stained with OX40L (clone RM134L) APC (filled histogram) or rat IgG2b κ , APC isotype control (open histogram).

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587