

Brilliant Violet 421™ anti-mouse CD252 (OX40 Ligand) Antibody

Catalog# / Size	108829 / 50 µg
Clone	RM134L
Regulatory Status	RUO
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

Verified 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 and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ 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	<p>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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.</p> <p>Learn more about Brilliant Violet™.</p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
Excitation Laser	Violet Laser (405 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 ³ , 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)

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](#)

RRID AB_3683137 (BioLegend Cat. No. 108829)

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	<ol style="list-style-type: none">1. Akiba H, <i>et al.</i> 1999. <i>J. Immunol.</i> 162:7058.2. Stüber E, <i>et al.</i> 1995. <i>Immunity</i> 2:507.3. Baum PR, <i>et al.</i> 1994. <i>EMBO J.</i> 13:3992.
Gene ID	22164

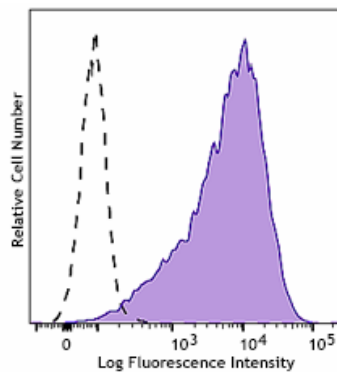
Related Protocols

- [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), APC 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), TotalSeq™-B0924 anti-mouse CD252 (OX40 Ligand) Antibody, TotalSeq™-A0924 anti-mouse CD252 (OX40 Ligand), Brilliant Violet 421™ anti-mouse CD252 (OX40 Ligand) Antibody

Product Data



C57BL/6 mouse splenocytes were stimulated with anti-mouse IgM and anti-mouse CD40 antibodies for 4 days. Cells were stained with anti-mouse CD252 (OX40 Ligand) (clone RM134L) Brilliant Violet 421™ (filled histogram) or rat IgG2b, κ Brilliant Violet 421™ control (open histogram).

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