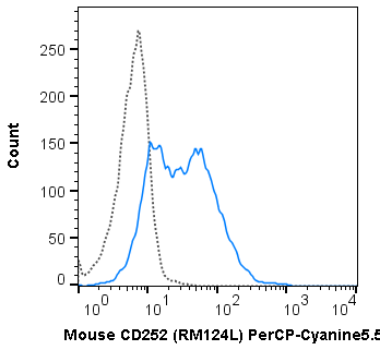
TECHNICAL DATA SHEET

PerCP-Cyanine5.5 Anti-Mouse CD252 (OX40 Ligand) (RM134L)

Catalog Number: 65-5905

PRODUCT INFORMATION

Contents:	PerCP-Cyanine5.5 Anti-Mouse CD252 (OX40
Isotype:	Rat IgG2b, kappa
Concentration:	0.2 mg/mL
Clone:	RM134L
Reactivity:	Mouse
Use By:	6 months from date of receipt
Storage Conditions:	2-8°C protected from light
Formulation:	10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stimulated with anti-IgM and anti-CD40 for 4 days. Cells were then stained with 0.5 ug PerCP-Cyanine5.5 Anti-Mouse CD252 (65-5905) (solid line) or 0.5 ug PerCP-Cyanine5.5 Rat IgG2b isotype control (dashed line).

DESCRIPTION

The RM134L antibody recognizes CD252, also known as OX-40 Ligand or CD134 Ligand, a member of the TNF superfamily that is present on the surface of antigen presenting cells and activated B lymphocytes. The OX-40 Ligand interacts with OX-40 (CD134) which is expressed primarily on activated T cells. This costimulatory interaction leads to increased proliferation and IL-2 production responses of activated T cells, and at the same time enhances proliferation and immunoglobulin secretion by activated B cells.

The RM134L antibody is useful for flow cytometric detection of CD252 on stimulated mouse splenocytes. It has also been reported to block the costimulatory activity of OX-40 Ligand. Please choose the appropriate format for each application.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

Akiba H, Oshima H, Takeda K, Atsuta M, Nakano H, Nakajima A, Nohara C, Yagita H and Okumura K. 1999 J Immunol. 162(12): 7058-7066. (Flow cytometry, in vitro blocking)

Stuber E, Neurath M, Calderhead D, Fell HP and Strober W. 1995 Immunity. 2(5): 507-521.

Sibilano R, Frossi B, Suzuki R, D'Incà F, Gri G, Piconese S, Colombo MP, Rivera J and Pucillo CE. 2012 Journal of Allergy Clin Immunol. 130(3): 751–760. (Blocking)

van der Merwe M, Abdelsamed HA, Seth A, Ong T, Vogel P and Pillai AB. 2013 J Immunol. 191(11): 5764-5776 (Flow cytometry)

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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