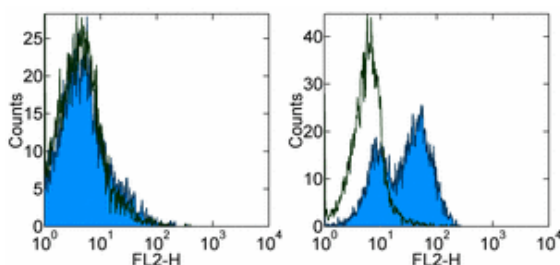


Anti-Mouse CD134 (OX40) Purified

Catalog Number: 14-1341

Also Known As: OX-40, Ly-70, TNFRSF4

RUO: For Research Use Only



Staining of 3-day unstimulated (left) and 3-day ConA-stimulated (right) BALB/c splenocytes with 0.25 µg of Rat IgG1 κ Isotype Control Purified (cat. 14-4301) (open histogram) or 0.25 µg of Anti-Mouse CD134 (OX40) Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD134 (OX40) Purified


REF Catalog Number: 14-1341

Clone: OX-86


Concentration: 0.5 mg/ml


Host/Isotype: Rat IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The OX-86 monoclonal antibody reacts with mouse CD134, also known as OX-40. A member of the TNF receptor superfamily, CD134/OX-40 is a 50 kDa type I membrane glycoprotein expressed by activated mouse T lymphocytes. While rat OX-40 antigen was initially identified as an activation marker on activated rat CD4⁺ T cells only, the mouse OX-40 is expressed by both activated CD4⁺ and CD8⁺ T cells. The interaction of CD134 with OX-40L has been implicated in T cell-dependent humoral response, regulation of primary T cell expansion, survival of T cells, size of the memory T cell pool and regulation of tolerance in the CD4⁺ T cell compartment.

Applications Reported

The OX-86 antibody has been reported for use in flow cytometric analysis, immunoblotting (WB), and immunohistochemical staining of frozen tissue sections. It does not block binding of CD134 to its ligand, but has been reported for use in functional assays. Please use Functional Grade purified OX-86 in functional assays.

Applications Tested

The OX-86 antibody has been tested by flow cytometric analysis of activated mouse splenocyte suspensions. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Related Products

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4301 Rat IgG1 K Isotype Control Purified

14-5905 Anti-Mouse CD252 (OX40 Ligand) Purified (RM134L)

17-4317 Streptavidin APC

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com