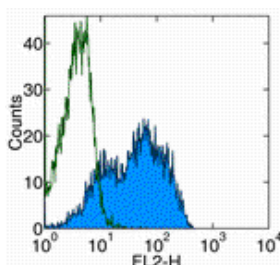


Anti-Mouse CD134 (OX40) Functional Grade Purified

Catalog Number: 16-1341

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

RUO: For Research Use Only



Staining of ConA stimulated mouse splenocytes with Anti-Mouse CD134 (OX40) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD134 (OX40) Functional Grade Purified

REF **Catalog Number:** 16-1341

Clone: OX-86

Concentration: 1 mg/ml

Host/Isotype: Rat IgG1, κ


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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. It does not block binding of CD134 to its ligand, but has been reported for use 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 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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

16-4301 Rat IgG1 K Isotype Control Functional Grade Purified

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