

Anti-Mouse CD134 (OX40) PE

Catalog Number :16412-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: OX-86

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Blue (488nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim,5=brightest): 5

Isotype: Rat IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The OX-86 monoclonal antibody reacts with mouse CD134 (OX40), a type I transmembrane glycoprotein in the TNF superfamily. It is expressed on activated T lymphocytes and enhances cell survival.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. For flow cytometric staining, the suggested use of this reagent is ≤0.5 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Bansal-Pakala, P., Jember, A. G. H., Croft, M. (2001). Signaling through OX40 (CD134) breaks peripheral T-cell tolerance.; Nature medicine.; 7(8), 907.
2. Rogers, P. R., Croft, M. (2000). CD28, Ox-40, LFA-1, and CD4 modulation of Th1/Th2 differentiation is directly dependent on the dose of antigen.; The Journal of Immunology.; 164(6), 2955-2963.
3. Gramaglia, I., Jember, A., Pippig, S. D., Weinberg, A. D., Killeen, N., Croft, M. (2000). The OX40 costimulatory receptor determines the development of CD4 memory by regulating primary clonal expansion.; The Journal of Immunology.; 165(6), 3043-3050.