

Anti-CD134 [OX-40] Standard Size Ab00547-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Kappa

Clone Number: OX-40

Alternative Name(s) of Target: TNFRS4; Tumor necrosis factor receptor superfamily member 4; OX40 antigen; OX40L receptor; OX40; MRC OX40; MRC OX-40; OX-40

UniProt Accession Number of Target Protein: P15725

Published Application(s): FACS, functional, IP, FC, IHC-Fr

Published Species Reactivity: Rat

Immunogen: OX40 antibody was prepared by immunizing mice with phytohaemagglutinin-activated rat lymph node cells.

Specificity: OX-40 antibody binds specifically to CD4+ T blasts. CD134 is a protein of the TNFR superfamily. It binds to OX40 ligand of both the monomeric and trimeric states which results in co-stimulated proliferation.

Application Notes: OX-40 antibody results in Fc-dependent (i.e. not Fab or F(ab')₂) stimulation of in vitro activated T cell proliferation, but is not mitogenic for resting cells. This antibody can also label CD4+ T blasts and can pull down CD134/CD134+ cells.

Antibody First Published in: Paterson et al. Antigens of activated rat T lymphocytes including a molecule of 50,000 Mr detected only on CD4 positive T blasts. Mol Immunol. 1987 Dec;24(12):1281-90. [PMID:2828930](#)

Note on publication: Describes the identification of and functional studies using antibodies which can act as markers for activated T cells.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.