

## Anti-CD134 [OX-40] Standard Size Ab00547-8.4

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

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rat 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')<sub>2</sub>) 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.