

## Anti-CD134 [OX-40] Standard Size Ab00547-8.1

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, 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.