

## Anti-OX40L [OX-89] Standard Size Ab00564-2.3

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 mouse antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** OX-89

**Alternative Name(s) of Target:** CD252; Tumor necrosis factor ligand superfamily member 4; OX40 ligand; CD134 ligand; OX40R

**UniProt Accession Number of Target Protein:** P43488

**Published Application(s):** Blocking, FC, IHC-Fr

**Published Species Reactivity:** Mouse

**Immunogen:** This antibody was prepared by immunizing PVG rats with a recombinant chimeric protein consisting of domains 3 and 4 of rat CD4 and the extracellular region of mouse CD134L.

**Specificity:** This antibody is specific for murine CD252 (the ligand for OX40), expression of which is restricted to activated B cells, dendritic cells, microglia and endothelial cells.

**Application Notes:** This antibody binds mouse CD134L, and has been shown to bind activated B cells and DCs, as well as CD134L-transfected fibroblast cells, though not activated T cells, in labelling and immunohistochemical analysis (Malmström, 2001). In addition, this antibody is able to partially block the interaction between CD134 and CD134L. This blocking effect could be responsible for the ability of this antibody to prevent T cell accumulation in the intestine of T cell-restored SCID mice and inhibits the development of Th1-mediated colitis.

**Antibody First Published in:** Malmström et al. CD134L Expression on Dendritic Cells in the Mesenteric Lymph Nodes Drives Colitis in T Cell-Restored SCID Mice J Immunol. 2001 Jun 1;166(11):6972-81.

[PMID:11359859](#)

**Note on publication:** Describes the original use of this antibody in blocking studies to implicate CD134L expression on DCs in mouse mesenteric lymph nodes in the development of colitis.

## 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.