

PE anti-mouse CD134 (OX-40)

Catalog # / Size:	1197050 / 200 µg 1197045 / 50 µg
Clone:	OX-86
Isotype:	Rat IgG1, κ
Immunogen:	Recombinant mouse OX-40-CD4 chimeric protein
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10 ⁶ cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Clone OX-86 has been reported to act as an agonist and stimulate OX-40.
Application References:	1. Higgins LM, <i>et al.</i> 1999. <i>J. Immunol.</i> 162:486. (FC, IHC) 2. Al-Shamkhani A, <i>et al.</i> 1996. <i>Eur. J. Immunol.</i> 26:1695. (Costim) 3. del Rio ML, <i>et al.</i> 2011. <i>Transpl. Int.</i> 24:501. (FC) PubMed

Description: CD134 is a type I integral membrane protein also known as OX-40, ACT35, and tumor necrosis factor receptor superfamily member 4 (TNFRSF4). This receptor is expressed on activated CD4⁺ and CD8⁺ T cells and B cells. The OX-40 receptor binds to the OX-40 ligand (CD252) to provide a costimulatory signal that is independent of CD28. Blockade of OX40-OX40 ligand interactions has been shown to ameliorate experimental EAE and inflammatory bowel disease, which implies that these interactions are important in the pathogenesis of some autoimmune diseases.

Antigen References:

1. Al-Shamkhani A, *et al.* 1996. *Eur. J. Immunol.* 26:1695.
2. Weinberg AD, *et al.* 1999. *J. Immunol.* 162:1818.
3. Akira H, *et al.* 1999. *J. Immunol.* 162:7058.
4. Pippig SD, *et al.*