

# Product Data Sheet

## Alexa Fluor® 647 anti-rat CD134 (OX-40)

**Catalog # / Size:** 204510 / 100 µg

**Clone:** OX-40

**Isotype:** Mouse IgG2b, κ

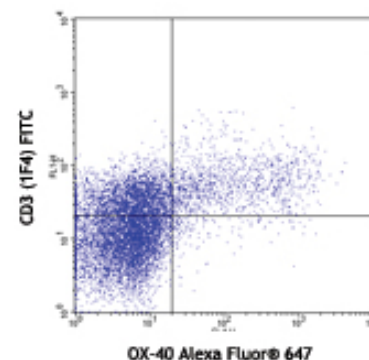
**Reactivity:** Rat

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



ConA-stimulated LOU rat splenocytes stained with OX-40 Alexa Fluor® 647 and 1F4 (CD3) FITC

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

\*\* Alexa Fluor® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

**Application References:** Al-Shamkhani A, *et al.* 1996. *Eur J. Immunol.* 26:1695

**Description:** CD134 (OX-40 receptor) is a 50 kd type I membrane protein, expressed on activated T cells. It binds to the OX-40 ligand (CD252) to provide a co-stimulatory signal that is independent of CD28. It is reported to block binding of CD134 and CD252.

**Antigen References:** 1. Al-Shamkhani A *et al.* 1996. *Eur. J. Immunol.* 26:1695  
2. Paterson DJ *et al.* 1987. *Mol Immunol* 24:1281

### Related Products:

**Product**  
 Alexa Fluor® 647 Mouse IgG2b, κ Isotype Ctrl  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)

**Clone**  
 MPC-11

**Application**  
 FC, ICFC  
 FC, ICC, ICFC  
 FC, ICFC



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