

# Product Data Sheet

## Alexa Fluor® 647 anti-mouse CD98 (4F2)

**Catalog # / Size:** 128209 / 25 µg  
128210 / 100 µg

**Clone:** RL388

**Isotype:** Rat IgG2a, κ

**Immunogen:** Subline of mouse T lymphoma EL4

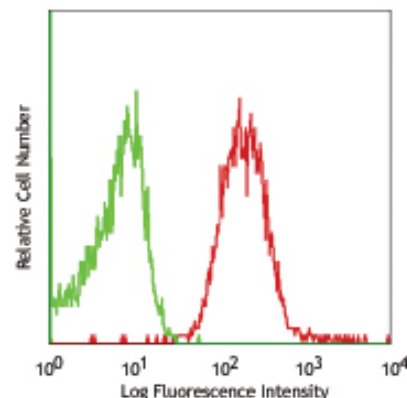
**Reactivity:** Mouse

**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.**



C57BL/6 splenocytes stained with RL388 Alexa Fluor® 647

## 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 ≤ 0.25 µg per 10<sup>6</sup> 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 633nm / 635nm.

\*\* Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 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:** 1. Luscher B, *et al.* 1985. *J. Immunol.* 135 :3951  
2. MacDonald HR, *et al.* 1985. *J. Immunol.* 135 :3944

**Description:** CD98 is a cell surface glycoprotein of 125 kd consisting of an 85 kd heavy chain and a 40 kd light chain. It is expressed on T, B, NK cells, granulocytes and many cell lines and tumor cells. CD98 has been shown to be involved in sodium-dependent calcium flux in muscle cells and lymphocyte activation.

**Antigen References:** 1. Luscher B, *et al.* 1985. *J. Immunol.* 135 :3951  
2. MacDonald HR, *et al.* 1985. *J. Immunol.* 135 :3944

### Related Products:

**Product**  
Alexa Fluor® 647 Rat IgG2a, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)  
TruStain fcX™ (anti-mouse CD16/32)

**Clone**  
RTK2758

93

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



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