

## Alexa Fluor® 647 anti-mouse CD9

**Catalog # / Size:** 124809 / 25 µg  
124810 / 100 µg

**Clone:** MZ3

**Isotype:** Rat IgG2a, κ

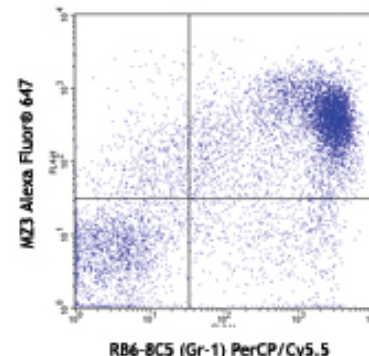
**Reactivity:** Mouse

**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 bone marrow cells stained with RB6-8C5 (Gr-1) PerCP/Cy5.5 and MZ3 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 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:** 1. Won WJ, *et al.* 2002. *J. Immunol.* 168:5605. (FC, WB)

**Description:** CD9 is a surface glycoprotein of the tetraspanin family. It is expressed on a variety of cells, including nerve, muscle cells and many cells of hematopoietic origin. CD9 is found to participate in forming a large molecular cell complex with other member proteins, such as MHC class II, CD19, CD5 and other TM4SF molecules. It is reported that CD9 is a marker of marginal zone B cells, B1 cells and plasma cells. The diverse functions of CD9 may largely depend upon its associated molecules on different cells.

**Antigen References:** 1. Boucheix C, *et al.* 1991. *J. Biol. Chem.* 266:117  
2. Lanza F, *et al.* 1991. *J. Biol. Chem.* 266:10638

### 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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