

**PE/Cy7 anti-mouse CD9**

**Catalog # / Size:** 1224075 / 25 µg  
1224080 / 100 µg

**Clone:** MZ3

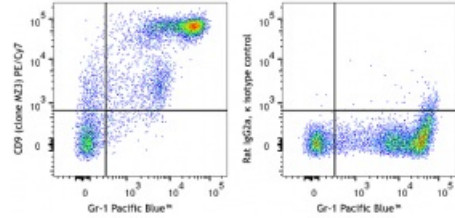
**Isotype:** Rat IgG2a, κ

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

**Concentration:** 0.2 mg/ml



C57BL/6 bone marrow myeloid cells were stained with Gr-1 Pacific Blue™ and CD9 (clone MZ3) PE/Cy7 (left) or Rat IgG2a

**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 ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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

**Description:** CD9 is a surface glycoprotein of the tetraspannin 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