

Biotin anti-mouse CD9

Catalog # / Size: 124803 / 50 µg
124804 / 500 µg

Clone: MZ3

Isotype: Rat IgG2a, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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. **Do not freeze.**

Applications:

Applications: FC - *Quality tested*

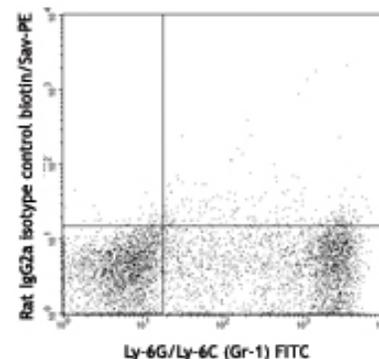
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Won WJ, *et al.* 2002. *J. Immunol.* 168:5605. (FC, WB)

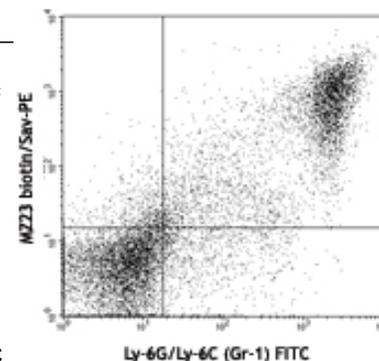
Description: CD9 is a surface glycoprotein of the tetraspanin family. It is expressed on a variety of cells, including nerve, muscle cells and many cells of hematopoietic origin. CD9 is found to participate in forming a large molecular cell complex with other member proteins, such as MHC class II, CD19, 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	Clone	Application
	Biotin Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



C57BL/6 bone marrow cells double stained with MZ3 biotin (Lower panel) or rat IgG2a isotype control (Upper panel) followed by Sav-PE, and anti-mouse Ly-6G/Ly-6C (RB6-8C5) FITC.



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