

MONOCLONAL ANTIBODY

# PE labeled Rat IgG2b Isotype control

Code No.	Clone	Subclass	Quantity	Concentration
M090-5	3G8	Rat IgG2b	1 mL (50 tests)	10 µg/mL

**SOURCE:** This antibody was purified from hybridoma (clone 3G8) supernatant using protein G agarose. This hybridoma was established by fusion of mouse myeloma cell P3U1 with rat lymph nodes immunized with KLH.

**FORMULATION:** 50 tests in 1 mL volume of PBS containing 1% BSA and 0.1% ProClin150.

**STORAGE:** This antibody solution is stable for one year from the date of purchase when stored at 4°C.

**REACTIVITY:** No specific binding detected on mouse splenocyte.

**APPLICATION:**

Flow cytometry: 20 µL (ready for use)

This antibody can be used as negative isotypic control. The concentration of antibody will depend on the conditions.

Detailed procedure is provided in the following **PROTOCOLS.**

**INTENDED USE:**

For Research Use Only. Not for use in diagnostic procedures.

The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

**PROTOCOLS:**

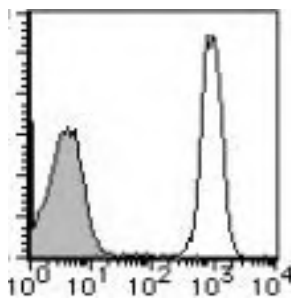
**Flow cytometric analysis for floating cells**

We usually use Fisher tubes or equivalents as reaction tubes for all steps described below.

- 1) Wash the cells 3 times with washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN<sub>3</sub>].
- 2) Resuspend the cells with washing buffer (6x10<sup>6</sup> cells/mL).
- 3) Add 50 µL of the cell suspension into each tube, and centrifuge at 500 x g for 1 minute at room temperature (20~25°C). Remove supernatant by careful aspiration.
- 4) Add 10 µL of normal goat serum to the cell pellet after tapping. Mix well and incubate for 5 minutes at room temperature.
- 5) Add 20 µL of the PE labeled Rat IgG2b Isotype control. Mix well and incubate for 20 minutes at room temperature.
- 6) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at room temperature. Remove supernatant by careful aspiration.
- 7) Resuspend the cells with 500 µL of the washing buffer and analyze by a flow cytometer.

**RELATED PRODUCTS:**

Please visit our web site <https://ruo.mbl.co.jp/>.



**Flow cytometric analysis of PE labeled rat IgG2b on mouse splenocyte.** Shaded histogram indicates the reaction of M090-5 to the cells. Open histogram indicates the reaction of PE labeled mouse CD45 to the cells.

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