

# Human IgG1 isotype control chimeric mAb

<b>CODE No.</b>	M194-3
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	2E12G1-2
<b>ISOTYPE</b>	Human IgG1
<b>QUANTITY</b>	100 µL, 1 mg/mL
<b>SOURCE</b>	Purified IgG from transfectant. This antibody consists both variable region of mouse IgG1 isotype control, clone 2E12 (MBL; code no. M075-3) and constant region of human IgG1.
<b>FORMULATION</b>	PBS containing 50% Glycerol (pH 7.2). No preservative is contained.
<b>STORAGE</b>	This antibody solution is stable for one year from the date of purchase when stored at -20°C.

## **APPLICATION-CONFIRMED**

### Flow cytometry

This antibody can be used as a negative control.

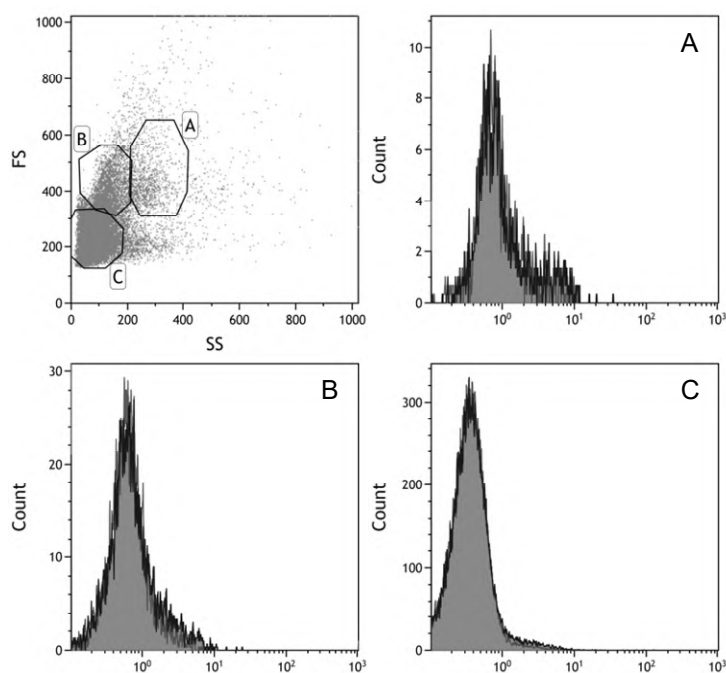
The concentration will depend on the conditions.

For more information, please visit our website at <https://ruo.mbl.co.jp/>.

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

**Flow cytometric analysis**

- 1) Wash the cells ( $2.5 \times 10^5$  cells/sample) 1 time with 1 mL of washing buffer (0.5% BSA, 2 mM EDTA in PBS).
- 2) Add 20  $\mu$ L of 10  $\mu$ g/mL anti-CD16/CD32 (mouse) (Becton Dickinson; code no. 553141) to the cell pellet after tapping. Mix well and incubate for 10 min. at 4°C.
- 3) Add 50  $\mu$ L of 10  $\mu$ g/mL the primary antibody diluted in the washing buffer. Mix well and incubate for 30 min. at 4°C.
- 4) Wash the cells 2 times with 1 mL of washing buffer.
- 5) Add 20  $\mu$ L of 1:100 Anti-IgG (Human) pAb-FITC (MBL; code no. 214) diluted with the washing buffer. Mix well and incubate for 15 min. at room temperature.
- 6) Wash the cells 2 times with 1 mL of washing buffer.
- 7) Resuspend the cells with 500  $\mu$ L of the washing buffer and analyze by a flow cytometer.



***Flow cytometric analysis of human IgG1 isotype control chimeric mAb on mouse splenocyte***

Closed: Isotype control (10  $\mu$ g/mL)  
Open: Unstained