

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



# 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
<b>IMMUNOGEN</b>	KLH, this antibody consist both variable region of mouse IgG1 isotype control, clone 2E12 (MBL; code no. M075-3) and constant region of human IgG1
<b>FORMURATION</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.

## **APPLICATIONS-CONFIRMED**

Flow cytometry



## **RELATED PRODUCTS**

### Chimeric antibody

M195-3 Human IgG2 isotype control (2E12G2-18)

### Functional grade antibody

M075-3M2 Mouse IgG1 isotype control FG (2E12)

M076-3M2 Mouse IgG2a isotype control FG (6H3)

M077-3M2 Mouse IgG2b isotype control FG (3D12)

M078-3M2 Mouse IgG3 isotype control FG (6A3)

M080-3M2 Rat IgG1 isotype control FG (1H5)

M081-3M2 Rat IgG2a isotype control FG (2H3)

M090-3M2 Rat IgG2b isotype control FG (3G8)

M082-3M2 Rat IgG2c isotype control FG (6E12)

### Purified antibody

M075-3 Mouse IgG1 isotype control (2E12)

M075-4 Mouse IgG1 isotype control-FITC (2E12)

M075-5 Mouse IgG1 isotype control-PE (2E12)

M075-8 Mouse IgG1 isotype control-Agarose (2E12)

M075-A48 Mouse IgG1 isotype control-Alexa Fluor<sup>®</sup> 488 (2E12)

M075-A64 Mouse IgG1 isotype control-Alexa Fluor<sup>®</sup> 647 (2E12)

M076-3 Mouse IgG2a isotype control (6H3)

M076-4 Mouse IgG2a isotype control-FITC (6H3)

M076-5 Mouse IgG2a isotype control-PE (6H3)

M076-A48 Mouse IgG2a isotype control-Alexa Fluor<sup>®</sup> 488 (6H3)

M076-A64 Mouse IgG2a isotype control-Alexa Fluor<sup>®</sup> 647 (6H3)

M077-3 Mouse IgG2b isotype control (3D12)

M077-4 Mouse IgG2b isotype control-FITC (3D12)

M077-5 Mouse IgG2b isotype control-PE (3D12)

M077-A48 Mouse IgG2b isotype control-Alexa Fluor<sup>®</sup> 488 (3D12)

M077-A64 Mouse IgG2b isotype control-Alexa Fluor<sup>®</sup> 647 (3D12)

M078-3 Mouse IgG3 isotype control (6A3)

M078-4 Mouse IgG3 isotype control-FITC (6A3)

M079-3 Mouse IgM isotype control (7E10)

M080-3 Rat IgG1 isotype control (1H5)

M080-4 Rat IgG1 isotype control-FITC (1H5)

M080-5 Rat IgG1 isotype control-PE (1H5)

M080-A48 Rat IgG1 isotype control-Alexa Fluor<sup>®</sup> 488 (1H5)

M081-3 Rat IgG2a isotype control (2H3)

M081-4 Rat IgG2a isotype control-FITC (2H3)

M081-5 Rat IgG2a isotype control-PE (2H3)

M081-8 Rat IgG2a isotype control-Agarose (2H3)

M081-A48 Rat IgG2a isotype control-Alexa Fluor<sup>®</sup> 488 (2H3)

M090-3 Rat IgG2b isotype control (3G8)

M090-4 Rat IgG2b isotype control-FITC (3G8)

M090-5 Rat IgG2b isotype control-PE (3G8)

M090-A48 Rat IgG2b isotype control-Alexa Fluor<sup>®</sup> 488 (3G8)

M082-3 Rat IgG2c isotype control (6E12)

M082-4 Rat IgG2c isotype control-FITC (6E12)

M189-3 Hamster IgG isotype control (ttko)

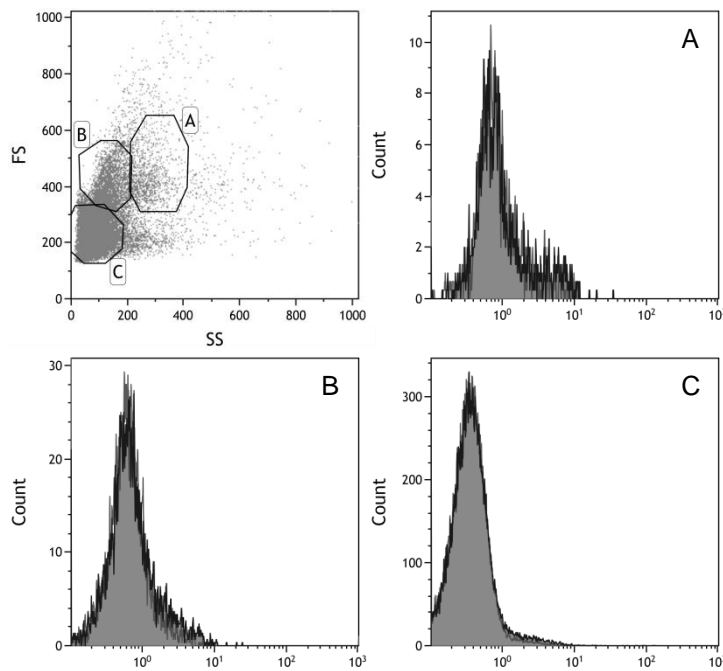
PM035 Normal Rabbit IgG (polyclonal)

PM035-8 Normal Rabbit IgG-Agarose (polyclonal)

PM067 Normal Guinea Pig IgG (polyclonal)

### **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)-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