

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

# Mouse IgG1 (isotype control)-Biotin

<b>CODE No.</b>	M075-6
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	2E12
<b>ISOTYPE</b>	Mouse IgG1 $\kappa$
<b>QUANTITY</b>	50 $\mu$ L, 1 mg/mL
<b>SOURCE</b>	Purified IgG from hybridoma supernatant
<b>IMMUNOGEN</b>	KLH
<b>REACTIVITY</b>	No specific binding is detected on Flow cytometry.
<b>FORMULATION</b>	PBS containing 1% BSA and 0.1% ProClin 950
<b>STORAGE</b>	This antibody solution is stable for one year from the date of purchase when stored at 4°C.

## **APPLICATION-CONFIRMED**

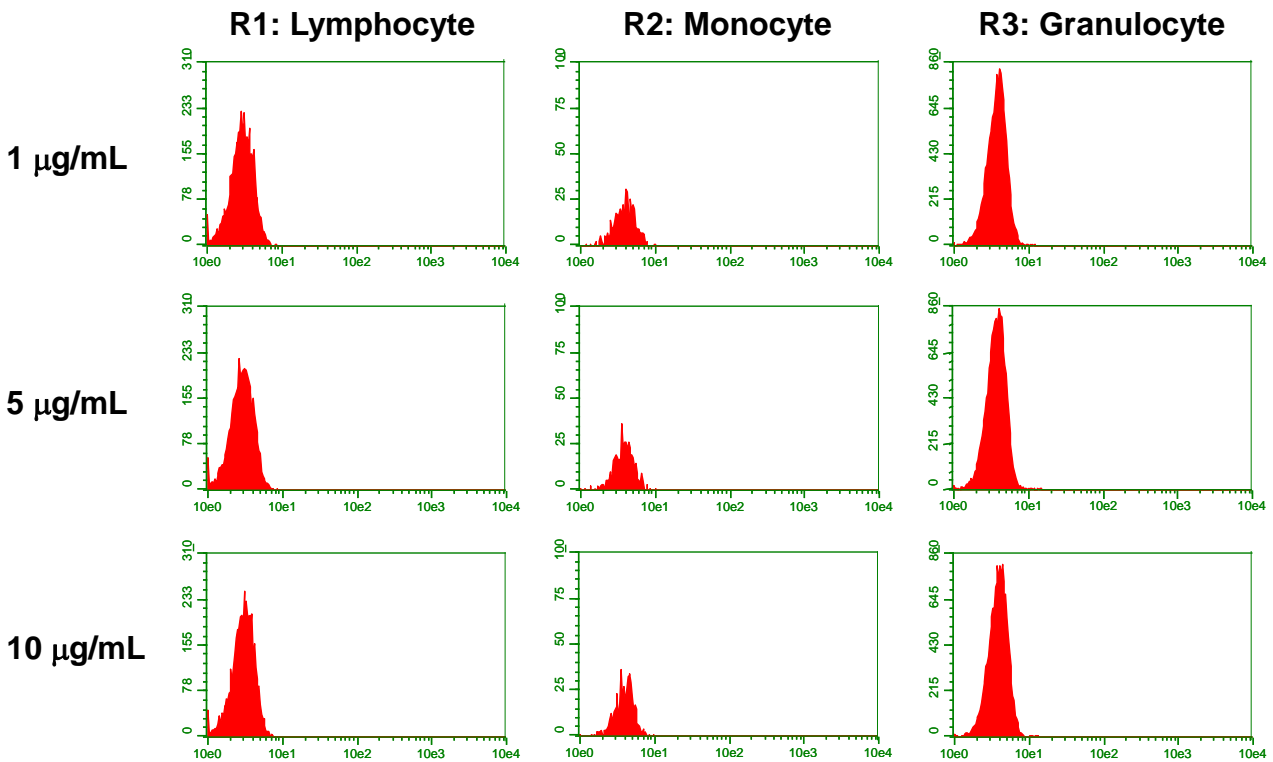
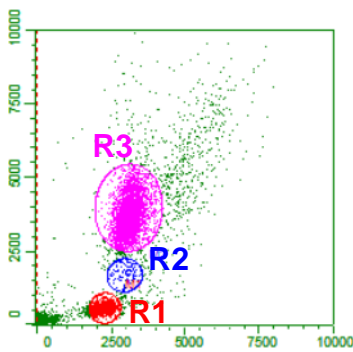
### Flow cytometry

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

For more information, please visit our web site <http://ruo.mbl.co.jp/>

**Flow cytometric analysis for whole blood cells**

- 1) Dispense 100  $\mu$ L of whole blood into each tube.
- 2) Add 50  $\mu$ L of 1, 5 or 10  $\mu$ g/mL Mouse IgG1 (isotype control)-Biotin (MBL; code no. M075-6) diluted with washing buffer [PBS containing 2% fetal calf serum (FCS)]. Mix well and incubate for 20 min. at room temperature.
- 3) Wash the cells 1 time with 1 mL of washing buffer.
- 4) Add FITC conjugated Streptavidin diluted with washing buffer. Mix well and incubate for 20 min. at room temperature.
- 5) Wash the cells 1 time with 1 mL of washing buffer.
- 6) Add 100  $\mu$ L of OptiLyse B (for analysis on BD instruments, Beckman Coulter; code no. IM-1400). Mix well and incubate for 10 min. at room temperature.
- 7) Add 1 mL of distilled water to each tube and incubate for 10 min. at room temperature.
- 8) Centrifuge at 500 x g for 1 min. at room temperature. Remove supernatant by careful aspiration.
- 9) Resuspend the cells with 500  $\mu$ L of the washing buffer and analyze by a flow cytometer.



**Flow cytometric analysis of Mouse IgG1 on human PBMC**  
Antibody: Mouse IgG1 (isotype control)-Biotin (M075-6)