

# Mouse IgG2a (isotype control)-Biotin

<b>CODE No.</b>	M076-6
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	6H3
<b>ISOTYPE</b>	Mouse IgG2a $\kappa$
<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.

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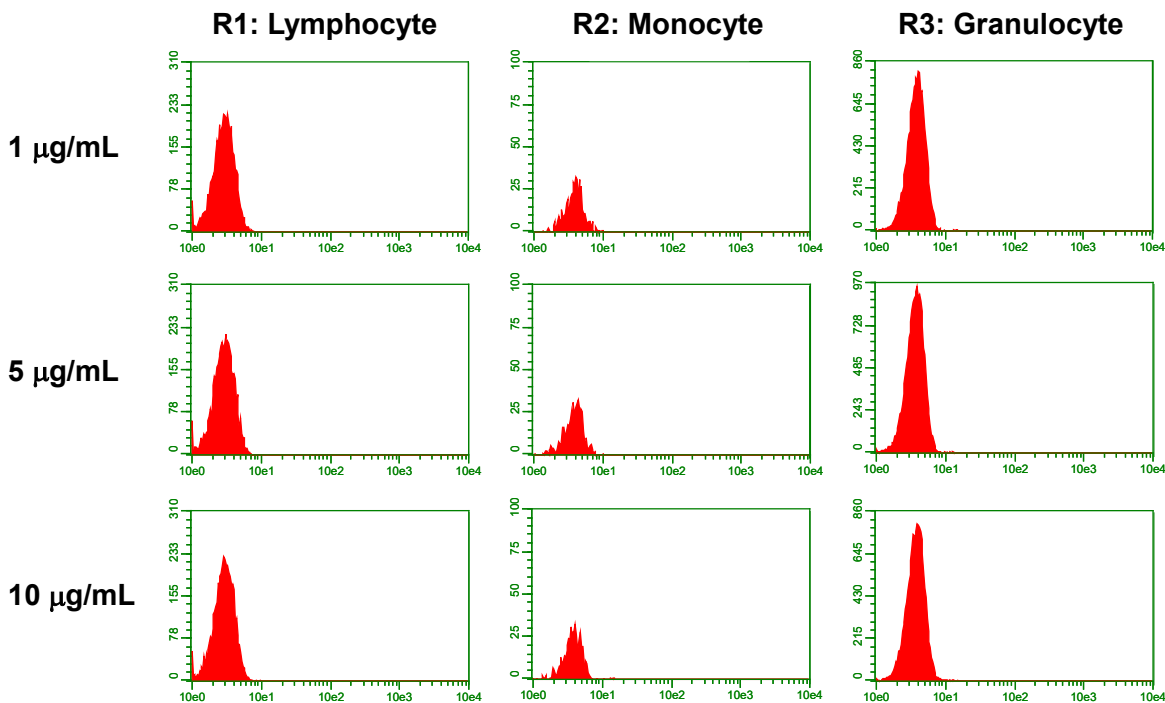
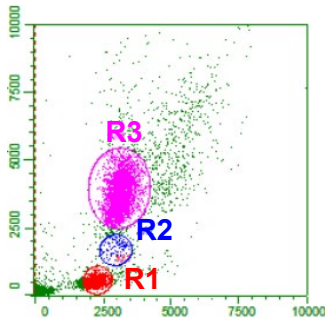
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

### **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 IgG2a (isotype control)-Biotin (M076-6) 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 IgG2a on human PBMC***

Antibody: Mouse IgG2a (isotype control)-Biotin (M076-6)