

Mouse IgG2b (isotype control)-Biotin

CODE No.	M077-6
CLONALITY	Monoclonal
CLONE	3D12
ISOTYPE	Mouse IgG2b κ
QUANTITY	50 μ L, 1 mg/mL
SOURCE	Purified IgG from hybridoma supernatant
IMMUNOGEN	KLH
REACTIVITY	No specific binding is detected on Flow cytometry.
FORMULATION	PBS containing 1% BSA and 0.1% ProClin 950
STORAGE	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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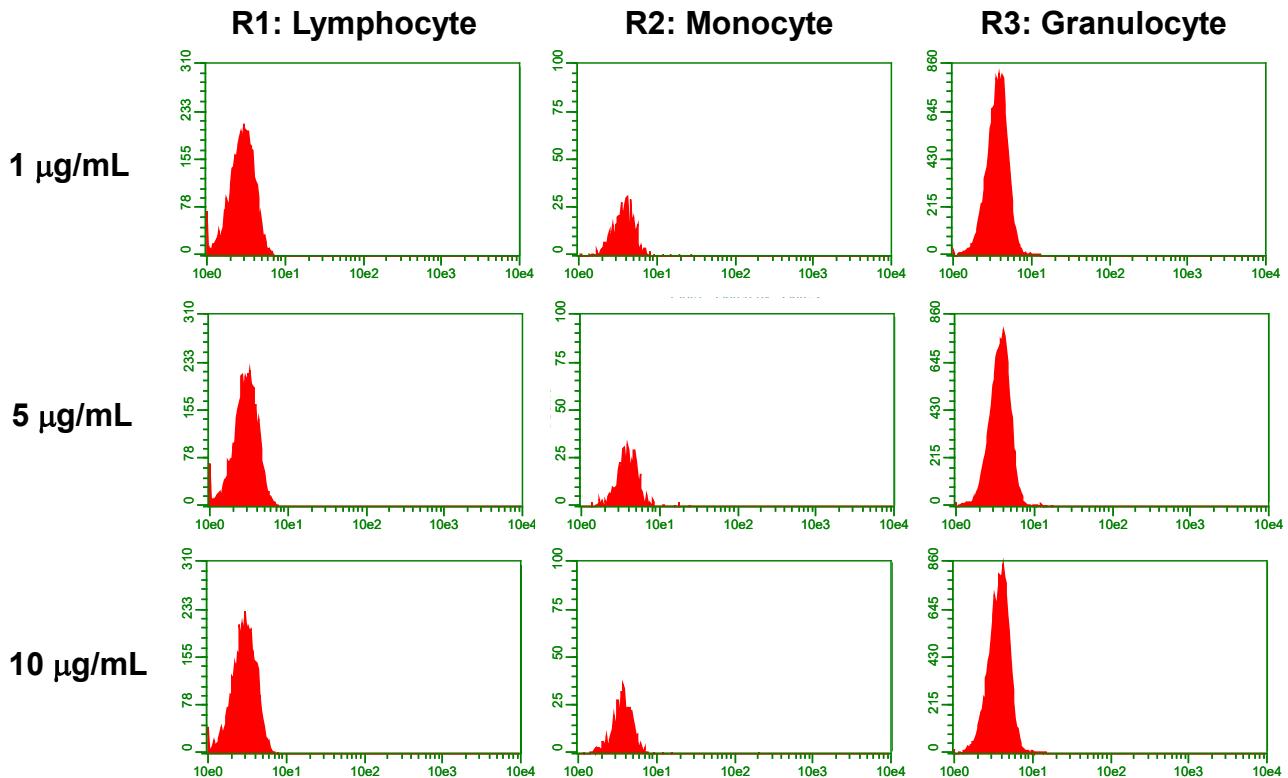
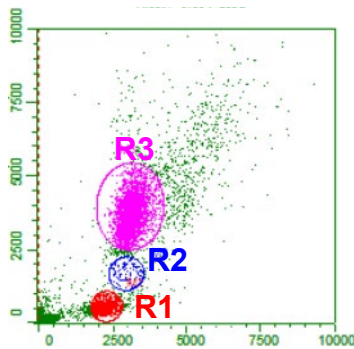
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

Flow cytometric analysis for whole blood cells

- 1) Dispense 100 μL of whole blood into each tube.
- 2) Add 50 μL of 1, 5 or 10 $\mu\text{g}/\text{mL}$ Mouse IgG2b (isotype control)-Biotin (M077-6) 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 μL 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 μL of the washing buffer and analyze by a flow cytometer.



Flow cytometric analysis of Mouse IgG2b on human PBMC
Antibody: Mouse IgG2b (isotype control)-Biotin (M077-6)