

# Anti-GP2 (Glycoprotein 2) (Human) mAb-PE

**CODE No.** D277-5

**CLONALITY** Monoclonal  
**CLONE** 3G7-H9  
**ISOTYPE** Mouse IgG1  $\kappa$   
**QUANTITY** 1 mL

**SOURCE** Purified IgG from hybridoma supernatant  
**IMMUNOGEN** Human GP2, extracellular domain (recombinant, human Fc fusion protein)  
**FORMULATION** PBS containing 1% BSA and 0.1% ProClin 150  
**STORAGE** This antibody solution is stable for one year from the date of purchase when stored at 4°C.

## APPLICATION-CONFIRMED

Flow cytometry 1:10

## SPECIES CROSS REACTIVITY

Species	Human	Mouse	Rat	Hamster
Tissues	Peyer's patches	Peyer's patches	Not tested	Not tested
Reactivity	+	-		

**Entrez Gene ID** 2813 (Human)

**REFERENCE** 1) Hase, K., *et al.*, *Nature* **462**, 226-230 (2009)

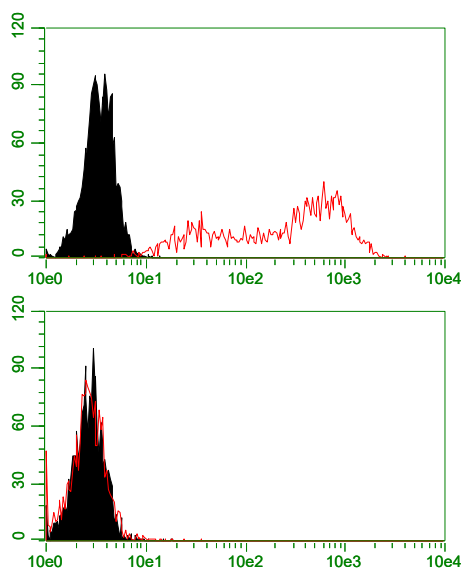
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

### **Flow cytometric analysis**

- 1) Wash the cells ( $5 \times 10^5$  cells/sample) once with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 2) Add 20  $\mu$ L of Clear Back (human Fc receptor blocking reagent, MBL, code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 5 min. at room temperature.
- 3) Add 40  $\mu$ L of the primary antibody at the concentration as suggested in the **APPLICATION** diluted in the washing buffer. Mix well and incubate for 30 min. at room temperature. (Optimization of antibody concentration or incubation condition is recommended if necessary.)
- 4) Wash the cells twice with 1 mL of washing buffer.
- 5) Resuspend the cells with 500  $\mu$ L of the washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; Transfectant)



### ***Flow cytometric detection of human GP2 in transfectant***

Cell

Upper: human GP2/293T

Lower: parental cell (293T)

Antibody

Open: D277-5

Closed: isotype control (M075-5)