

Anti-GP2 (Glycoprotein 2) (Mouse) mAb-PE

CODE No. D278-5

CLONALITY Monoclonal
CLONE 2F11-C3
ISOTYPE Rat IgG2a κ
QUANTITY 1 mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Mouse 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 on FCM

Species	Human	Mouse	Rat	Hamster
Cell	Not tested	Transfectant	Not tested	Not tested
Reactivity		+		

Entrez Gene ID 67133 (Mouse)

REFERENCES

- 1) Rattay, K., *et al.*, *J. Autoimmun.* **67**, 65-75 (2016) [FCM]
- 2) Laphorne, S., *et al.*, *Immunology* **136**, 312-324 (2012)
- 3) Donaldson, D. S., *et al.*, *Mucosal.Immunol.* **5**, 216-225 (2012)
- 4) Fukuda, S., *et al.*, *J. Vis. Exp.* **58**, e3225 (2011)
- 5) Ebisawa, M., *et al.*, *Int. Immunol.* **23**, 261-269 (2011)
- 6) Hase, K., *et al.*, *Nature* **462**, 226-230 (2009)
- 7) Terahara, K., *et al.*, *J. Immunol.* **180**, 7840-7846 (2008)

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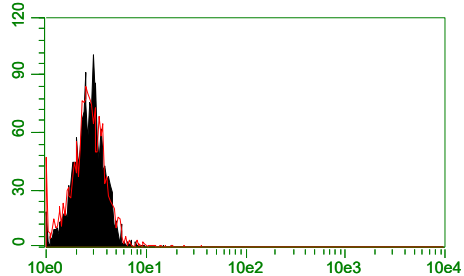
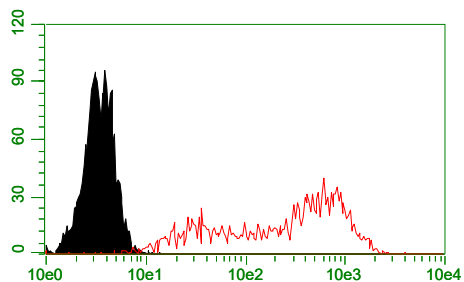
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

Flow cytometric analysis

- 1) Wash the cells (5×10^5 cells/sample) 1 time with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 2) Add 10 μ 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 μ 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 2 times with 1 mL of washing buffer.
- 5) Resuspend the cells with 500 μ L of the washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; Transfectant)



Flow cytometric detection of mouse GP2

Cell

Upper: Mouse GP2/293T

Lower: Parental cell (293T)

Antibody

Open: D278-5

Closed: Isotype control (M081-5)