

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

CODE No. D278-6

CLONALITY Monoclonal
CLONE 2F11-C3
ISOTYPE Rat IgG2a κ
QUANTITY 100 μ L, 1 mg/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% ProClin150
STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Immunohistochemistry 5 μ g/mL

SPECIES CROSS REACTIVITY on IHC

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

Entrez Gene ID 67133 (Mouse)

REFERENCES

- 1) Laphorne, S., *et al.*, *Immunology* **136**, 312-324 (2012)
- 2) Donaldson, D. S., *et al.*, *Mucosal. Immunol.* **5**, 216-225 (2012)
- 3) Fukuda, S., *et al.*, *J. Vis. Exp.* **58**, e3225 (2011)
- 4) Ebisawa, M., *et al.*, *Int. Immunol.* **23**, 261-269 (2011)
- 5) Hase, K., *et al.*, *Nature* **462**, 226-230 (2009)

This clone is used in these references.

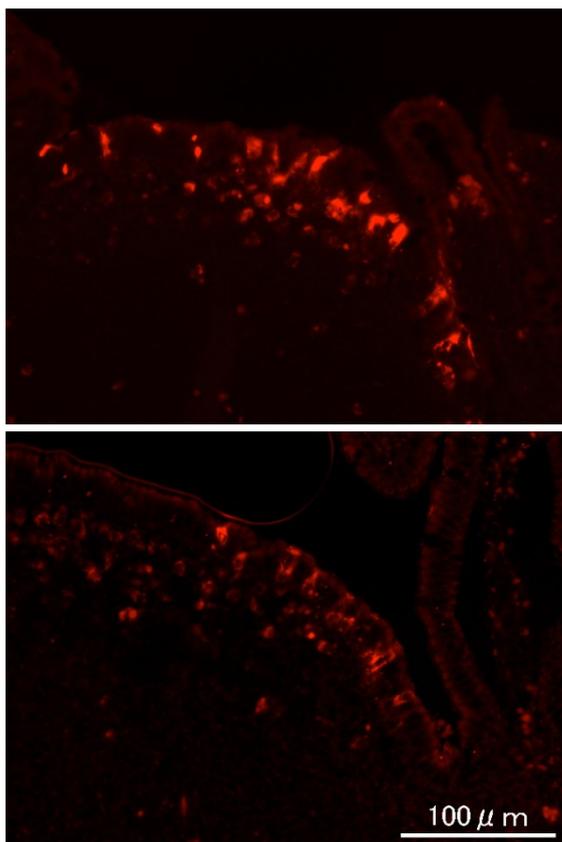
For more information, please visit our website at <https://ruo.mbl.co.jp/>.

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

Immunohistochemical detection for paraffin embedded section

- 1) Deparaffinize the sections with Xylene 3 times for 3 min. each.
- 2) Wash the slides with Ethanol 3 times for 3 min. each.
- 3) Wash the slides 1 time in PBS-T [0.05% Tween-20 in PBS] for 5 min.
- 4) Remove the slides from PBS-T, wipe gently around each section and cover tissues with 0.5% blocking reagent (PerkinElmer) in PBS for 30 min. to block non-specific staining. Do not wash.
- 5) Tip off the blocking buffer, wipe gently around each section and cover tissues with primary antibody diluted with 0.5% blocking reagent in PBS as suggested in the **APPLICATION**. (Optimization of antibody concentration or incubation condition is recommended if necessary.)
- 6) Incubate the sections overnight at 4°C.
- 7) Wash the slides 3 times in PBS-T for 5 min. each.
- 8) Incubate the sections with Streptavidin-Cy3.
- 9) Wash the slides 3 times in PBS-T for 2 min. each.
- 10) Now ready for mounting.

(Positive control for Immunohistochemistry; mouse Peyer's patches)



Immunohistochemical detection of mouse GP2 in Peyer's patches

Upper: C57BL/6
Lower: Balb/c
Red: D278-6