For Research Use Only.
Not for use in diagnostic procedures.

Anti-*H. pylori* mAb

CODE No. D369-3

CLONALITY Monoclonal
CLONE TMDU-D8
ISOTYPE Mouse IgG3 κ
QUANTITY 100 μL, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Sonicated whole bacterial lysate of *H.pylori* (a combination of strains ATCC 43504, ATCC 43579, ATCC 43629)
FORMULATION PBS containing 50% Glycerol (pH 7.2). No preservative is contained.
STORAGE This antibody solution is stable for one year from the date of purchase when stored at -20°C.

APPLICATION-CONFIRMED

Immunohistochemistry 1 μg/mL (paraffin section)
Heat treatment for paraffin embedded section: microwave oven, for 40 min. in 10 mM citrate buffer (pH 6.2)

SPECIES CROSS REACTIVITY on IHC

Species	Human	Mouse	Rat	Hamster
Sample	*H. pylori*-infected stomach	Not tested	Not tested	Not tested
Reactivity	+			

REFERENCES

1) Munari, M., *et al.*, *Blood.* **16**, 6612-6616 (2011)
2) Ito, T., *et al.*, *Lab. Invest*. **88**, 664-681 (2008)

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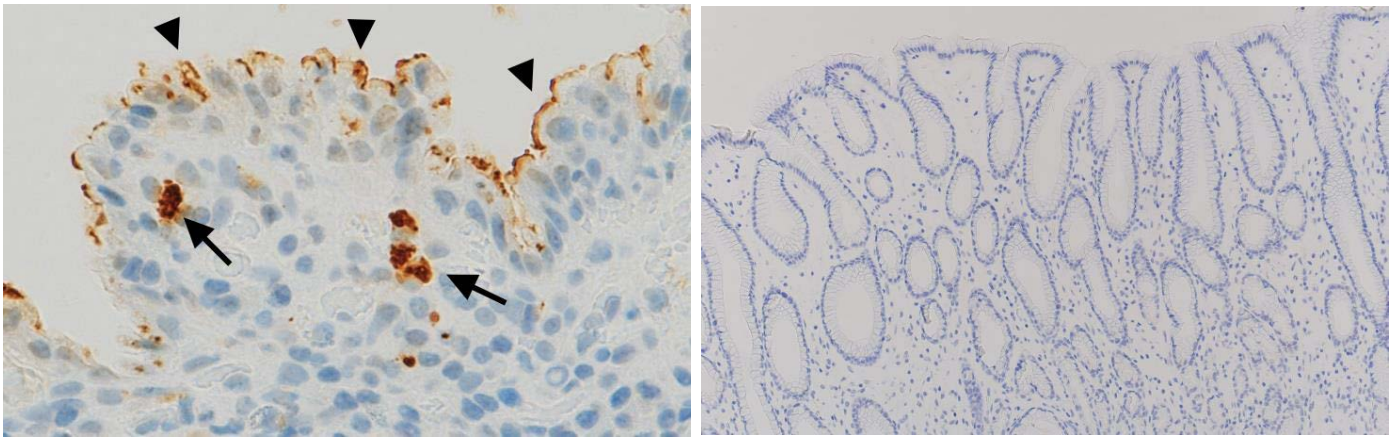
RELATED PRODUCTS

D369-3	Anti-*H. pylori* mAb
M078-3	Mouse IgG3 (isotype control)

Immunohistochemistry for formalin fixed paraffin-embedded section

1) Deparaffinize tissue sections in Xylene 3 times for 5 min. each.
2) Immerse the slides with Ethanol 3 times for 5 min. each.
3) Immerse the slides with PBS 3 times for 5 min.
4) Remove the slides from PBS and heat-treat with 10 mM Citrate buffer (pH 6.2) for 40 min. at 97°C using microwave oven.
5) Let the slide cool down until at room temperature in the Citrate buffer.
6) Remove the slides from the Citrate buffer and inactivate endogenous peroxidase with 3% H_2O_2 in Methanol for 10 min.
7) Wash the slides with PBS 2 times for 5 min each.
8) Remove the slides from PBS, and immerse the slides in Blocking buffer [20 mM HEPES, 1% BSA, 135 mM NaCl] for 5 min. at room temperature to block non-specific staining. Do not wash.
9) Tip off the blocking buffer, wipe gently around each section and cover tissues with primary antibody diluted with Blocking buffer as suggested in the **APPLICATION**. (The concentration of antibody will depend on the conditions.) Incubate the sections for 1 hr. at room temperature.
10) Wash the slides 2 times in PBS for 5 min. each.
11) Incubate the section with Histostar (Ms + Rb) (MBL; code no. 8460) for 30 min. at room temperature.
12) Wash the slides 3 times in PBS for 5 min. each.
13) Visualize by reacting for 10 min. with Histostar DAB Substrate Solution (MBL; code no. 8469). *DAB is a suspect carcinogen and must be handled with care. Always wear gloves.
14) Wash the slides 2 times in PBS for 5 min. each.
15) Counterstain in hematoxylin for 5 min., wash the slides 3 times in water for 5 min. each, and then immerse the slides in PBS for 5 min.
16) Dehydrate by immersing in Ethanol 3 times for 5 min. each, followed by immersing in Xylene 3 times for 3 min. each. Now ready for mounting.

(Positive control for Immunohistochemistry; *H. pylori*-infected stomach)



Immunohistochemical detection of H. pylori in human stomach

Left: *H. pylori* positive case (arrowhead: in mucous layer, arrow: in lamina propria)
Right: *H. pylori* negative case

Brown: Anti-*H. pylori* mAb (D369-3)
Blue: Hematoxylin

The data were kindly provided by Prof. Yoshinobu Eishi[1] and Mr. Keisuke Uchida[2].
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