

Datasheet



Mouse mAb to **Helicobacter pylori**
Clone **EBS-I-041**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with sonicated *Helicobacter pylori*.
Fusion partner: NS-1.

Specifications

Over half of the human population is infected with *H. pylori*. It is usually acquired in childhood and, when left untreated, generally persists for the host's life. Usually infection leads to no more than superficial or asymptomatic gastritis, however in some cases it is implicated in the development peptic ulcers, gastric cancer and low-grade lymphoma of mucosa associated lymphoid tissue (MALT). It is further associated with duodenal ulcers.

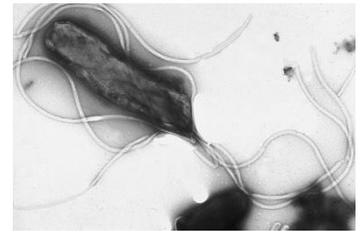


Figure 1: Electron micrograph of *Helicobacter pylori*

Species reactivity

Positive: *H. pylori*.

Applications

Demonstration of *H. pylori* in stomach biopsies.

| ELISA | Flow cytometry | Frozen sections | Immunofluorescence | Paraffin sections |
|-------|----------------|-----------------|--------------------|-------------------|
| + | + | + | + | - |

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- ELISA (solid phase: 0,1-100 µg/ml; tracer: 0,001-100 µg/ml for 30 min at RT).
- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 minutes at RT; acetone or paraformaldehyde fixed only; information on a suitable antigen retrieval method for staining of formalin-fixed tissues is unavailable to date).

Positive control

H. pylori infected stomach biopsy.

References

- Fiorentino M et. al. *Infect Immun.* **81**: 876-883 (2013).