

AM09224HR-N**Monoclonal Antibody to Helicobacter pylori (CagA Protein) - HRP****Alternate names:**

H. pylori

Quantity:

0.2 ml

Background:

Helicobacter pylori (*H. pylori*), a spiral rod shaped gram-negative bacterium, is frequently found in the stomach. In infected populations, 10-20% may develop gastritis and gastric ulcer and 1- 2% may develop cancer. The genome of *H. pylori* isolates from carriers with symptoms contains a 40kb pathogenicity island encoding *H. pylori cytotoxin*, cytotoxin associated gene A protein (CagA) and other virulence associated factors. CagA is used as a biomarker for virulent *H. pylori* strains.

Host / Isotype:

Mouse / IgG1

Clone:

3C10

Immunogen:

A highly immunogenic 32 KD CagA fragment, recombinant.

Format:**State:** Liquid purified IgG fraction**Purification:** Affinity Chromatography on Protein G**Buffer System:** 0.01M PBS, pH 7.2 with 50% Glycerol**Label:** HRP**Reconstitution:** Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml**Applications:**

ELISA: Clone 3C10 can be used as Detection antibody. In Sandwich ELISA, anti-HP CagA clone 10E9 and anti-HP CagA clone 5H10 coated wells match with HRP conjugated clone 3C10 to detect the recombinant antigen. HRP conjugated 3C10 also selectively detected cell lysate of a CagA containing HP strain when clone 10E9 was used as Coating antibody.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody is raised against the *H. pylori* cytotoxin associated gene A protein (CagA).

Reacts with the 32Kd recombinant *Helicobacter pylori* CagA.

Storage:

Upon receipt, store (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.