

Product datasheet for **AM09224PU-N**

Helicobacter pylori (CagA Protein) Mouse Monoclonal Antibody [Clone ID: 3C10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3C10
Applications:	ELISA
Recommended Dilution:	ELISA: Helicobacter pylori antibody (Clone 3C10) can be used as Detection antibody. In Sandwich ELISA, anti-HP CagA antibody clone 10E9 (Cat.-No AM09221PU-N) and anti-HP CagA antibody clone 5H10 (Cat.-No AM09222PU-N) 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.
Reactivity:	Helicobacter pylori
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A highly immunogenic 32Kd CagA fragment, recombinant.
Specificity:	This antibody is raised against the <i>H. pylori</i> cytotoxin associated gene A protein (CagA). Reacts with the 32Kd recombinant <i>Helicobacter pylori</i> CagA. Cross reaction with other proteins has not been identified.
Formulation:	0.01M PBS, pH 7.0 without preservatives State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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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.

Synonyms:

H. pylori