

Product datasheet for **AM09221PU-N**

Helicobacter pylori (CagA Protein) Mouse Monoclonal Antibody [Clone ID: 10E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10E9
Applications:	ELISA, WB
Recommended Dilution:	ELISA: HP CagA antibody (Clone 10E9) can be used as Capture antibody in Sandwich ELISA. In Sandwich ELISA, anti-HP CagA antibody clone 5H10 (Cat.-No AM09222PU-N) coated wells matches with HRP conjugated clone 5C6, clone 3C10 and clone 3C1 to detect the recombinant antigen. In addition, this clone selectively detected cell lysate of a CagA containing HP stain when HRP conjugated clone 3C10 was used. Western Blotting: This clone detected a 32 KD band corresponding to the molecular weight of the recombinant CagA antigen (immunogen).
Reactivity:	Helicobacter pylori
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A highly immunogenic 32 kD 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 Helicobacter pylori CagA. Cross reaction with other proteins has not been found.
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