

Product datasheet for **AM09223PU-N**

Helicobacter pylori (CagA Protein) Mouse Monoclonal Antibody [Clone ID: 5C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5C6
Applications:	ELISA
Recommended Dilution:	ELISA: HP CagA antibody (Clone 5C6) can be used as Detection antibody. HRP conjugated anti-HP CagA clone 5C6 matches with clone 10E9 and clone 5H10 coated wells in Sandwich ELISA assay to detect the recombinant antigen is used. In addition, clone 5C6 selectively detected cell lysate of a CagA containing HP strain when clone 5H10 is 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 H. pylori cytotoxin associated gene A protein (CagA). Reacts with the 32Kda 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 Ig 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 undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Helicobacter pylori strains is known to exhibit a significant degree of diversity. The great variability in the H. pylori genome may explain why not all infected individuals suffer from ulcer. Some H. pylori strains contain particular pathogenic genes such as cytokine associated gene A (CagA), while others lack these genes. The CagA protein of H. pylori has been found to be associated with more severe clinical manifestations, such as ulcer disease and gastric cancer. Thus, discrimination between potentially virulent strains may be relevant.

Synonyms:

H. pylori