

Product datasheet for **AM09225PU-N**

Helicobacter pylori (CagA Protein) Mouse Monoclonal Antibody [Clone ID: 3C1]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 3C1 |
| Applications: | ELISA |
| Recommended Dilution: | ELISA: HP CagA antibody (Clone 3C1) can be used as Detection antibody. In Sandwich ELISA, anti-HP CagA antibody clone 10E9 (Cat#AM09221PU-N) and anti-HP CagA antibody clone 5H10 (Cat#AM09222PU-N) coated wells match with HRP conjugated clone 3C1 to detect the recombinant antigen. Application of Clone 3C1 in Detection of CagA containing HP strain was not evaluated. |
| 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 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 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