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2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Mouse Anti-HP CagA Monoclonal Antibody Datasheet

Product Name: mAb anti-HP CagA	Clone No.: 10E9
Catalogue No.: MO-I40020A	Quantity: 0.5 mg/vial
Description: Mouse monoclonal antibody (mAb) against the <i>H. pylori</i> cytotoxin associated gene A protein (CagA)	Background: <i>Helicobacter pylori</i> (<i>H. pylori</i>), 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 <i>H. pylori</i> isolates from carriers with symptoms contains a 40kb pathogenicity island encoding <i>H. pylori</i> cytotoxin, cytotoxin associated gene A protein (CagA) and other virulence associated factors. CagA is used as a biomarker for virulent <i>H. pylori</i> strains.
Purification: Protein G affinity purified	Applications: ELISA: Clone 10E9 can be used as capture antibody in sandwich ELISA. Anti-CagA clone 10E9 coated wells detect recombinant CagA antigen in combination with HRP conjugated anti-CagA clone 5C6, clone 3C10 and clone 3C1. In addition, clone 10E9 selectively detected cell lysate of a CagA containing <i>H. pylori</i> strain when HRP conjugated anti-CagA clone 3C10 was used.
Product Type: Primary antibody, Capture antibody in matched antibody pair.	Western Blot: This clone detects the 32 kD band corresponding to the molecular weight of the recombinant CagA antigen (Immunogen).
Target Protein: <i>H. pylori</i> cytotoxin associated gene A protein (CagA)	References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
Immunogen: A highly immunogenic 32kD CagA fragment, recombinant	
Fusion Myeloma: Sp2/0-Ag14	
Specificity: The mAb reacts with <i>H. pylori</i> CagA.	
Cross - Reactivity: Cross-reaction with other proteins has not been identified.	
Host / Isotype: Mouse, IgG2a Kappa	
Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.0	
Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.	
Storage: Store at -20°C	
Research Area: Bacteriology	

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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