



Mouse Anti-HP CagA Monoclonal Antibody Datasheet

Product Name: mAb anti-HP CagA	Clone No.: 3C10
Catalogue No.: MO-I40020D	Quantity: 0.5 mg/vial
Description: Mouse monoclonal antibody (mAb) to <i>H. pylori</i> cytotoxin associated gene A (CagA) protein.	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	
Product Type: Primary antibody, detection antibody in matched antibody pair.	
Target Protein: <i>H. pylori</i> cytotoxin associated gene A (CagA) protein	
Immunogen: A 32KD recombinant protein cloned from the highly immunogenic region of <i>H. pylori</i> cytotoxin associated gene A.	
Fusion Myeloma: Sp2/0-Ag14	
Specificity: The mAb reacts with <i>H. pylori</i> CagA.	Applications: ELISA: HRP conjugated 3C10 selectively detects cell lysate of a CagA containing <i>H. pylori</i> strain in sandwich ELISA assay when clone 10E9 is used as coating antibody. In addition, HRP conjugated clone 3C10 can detect the recombinant CagA antigen in sandwich ELISA if use anti-CagA clone 10E9 or clone 5H10 coated ELISA wells
Cross - Reactivity: Cross-reaction with other proteins has not been identified.	
Host / Isotype: Mouse, IgG1 Kappa	
Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.0	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.
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 administrated to human and animals for use in diagnostic and therapeutic procedures.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.