

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

Monoclonal Antibody to Helicobacter pylori (CagA Protein) - HRP AM09224HR-N Alternate names: H. pylori 0.2 ml **Quantity: 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. Host / Isotype: Mouse / IgG1 **Clone:** 3C10 Immunogen: A highly immunogenic 32 KD CagA fragment, recombinant. Format: State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: 0.01M PBS, pH 7.2 with 50% Glycerol Label: HRP Reconstitution: Restore with Double distillated water to adjust the final concentration to 1.0 mg/ml **Applications:** ELISA: Clone 3C10 can be used as Detection antibody. In Sandwich ELISA, anti-HP CagA clone 10E9 and anti-HP CagA clone 5H10 coated wells match with HRP conjugated clone 3C10 to detect the recombinant antigen. HRP conjugated 3C10 also selectively detected cell lysate of a CagA containing HP strain when clone 10E9 was used as Coating antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Specificity:** This antibody is raised against the *H. pylori* cytotoxin associated gene A protein (CagA).

Reacts with the 32Kd recombinant Helicobacter pylori CagA.

Storage:Upon receipt, store (in aliquots) at -20°C.Avoid repeated freezing and thawing.Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

MS/20130913