

Mouse Helicobacter pylori Monoclonal Antibody

H. pylori mAb (CagA protein)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA106945	Mouse	Recognizes eptitope localized between Asp562 and Gln 795 in GenBank FJ428215 amino acid sequence.	Western Blot, ELISA

PRODUCT SYNONYMS

Helicobacter pylori; Monoclonal Antibody; H. pylori mAb (CagA protein); Monoclonal CagA protein; Anti-CagA protein; Helicobacter pylori protein; H. pylori protein; anti-Helicobacter pylori antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Recognizes eptitope localized between Asp562 and Gln 795 in GenBank FJ428215 amino acid sequence.
Clonality	Monoclonal
Isotype	IgG
Clone Number	M18612CG3
Purity/Purification	Helicobacter pylori CagA protein antibody was purified by Protein G chromatography.
Form/Format	Liquid in PBS, pH 7.4, with 0.09% sodium azide (NaN ₃) as preservative.
Concentration	7.0mg/ml (varies by lot)
Applicable Applications for anti-Helicobacter pylori antibody	WB (Western Blot), IA (Immunoassay), ELISA
Biological Significance	The cagA gene codes for one of the major H. pylori virulence proteins. Bacterial strains that have the cagA gene are associated with an ability to cause ulcers. The cagA gene codes for a relatively long (1186 amino acid) protein. The cag pathogenicity island (PAI) has about 30 genes, part of which code for a complex type IV secretion system. The low GC-content of the cag PAI relative to the rest of the Helicobacter genome suggests the island was acquired by horizontal transfer from another bacterial species.
Biohazard Information	This product is sold as an antibody preparation for research use only. Standard Laboratory Practices should be followed when handling this material. Contains sodium azide (0.1 %) as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	Helicobacter pylori CagA protein antibody was raised in mouse using recombinant fragments of CA-gene of H pylori as the immunogen.
Preparation and Storage	Store at 4 degree C

ADDITIONAL INFORMATION

Related Product Information for anti-Helicobacter pylori antibody	Mouse monoclonal CagA protein antibody (Helicobacter pylori)
Product Categories/Family for anti-Helicobacter pylori antibody	Infectious Disease

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

