

## Product datasheet for **AM00865PU-N**

### Helicobacter pylori (54kDa Flagellin) Mouse Monoclonal Antibody [Clone ID: BDI516]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BDI516
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot.</b> <b>IFA.</b>
Reactivity:	Helicobacter pylori
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	H. pylori (whole organism)
Specificity:	This antibody is reactive with the 54kDa (Flagellin) of <i>H. pylori</i> . Does not react in ELISA with <i>C. jejuni</i> , <i>E. coli (mix)</i> , <i>Salmonella (mix)</i> , <i>Shigella (mix)</i> , <i>P. aeruginosa</i> , <i>Yersinia</i> and <i>Citrobacter</i> .
Formulation:	0.01M PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and no stabilizers. State: Purified State: Liquid purified IgG fraction (>90% pure).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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**Background:**

The spiral shaped bacterium *Helicobacter pylori* is strongly associated with inflammation of the stomach and is also implicated in the development of gastric malignancy. *H. pylori* is known to cause peptic ulcers and chronic gastritis in human. It is associated with duodenal ulcers and may be involved in development of adenocarcinoma and low-grade lymphoma of mucosa associated lymphoid tissue in the stomach. More recently this bacterium has also been implicated with a number of vascular disorders including heart disease. It is not clear how *H. pylori* is transmitted or why some patients become symptomatic while others do not. The bacteria are most likely spread from person to person through fecal-to-oral or oral-to-oral routes. Possible environmental reservoirs include contaminated water sources. Serological tests that measure specific *H. pylori* IgG antibodies can determine if a person has been infected although these methods do have drawbacks and limitations.

**Synonyms:**

*H. pylori*