

## Monoclonal Antibody to Helicobacter pylori - Purified

<b>Alternate names:</b>	H. pylori Flagellin
<b>Catalog No.:</b>	AM00865PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (OD280 nm, E0.1% = 1.3)
<b>Background:</b>	<p>The spiral shaped bacterium <i>Helicobacter pylori</i> is strongly associated with inflammation of the stomach and is also implicated in the development of gastric malignancy. <i>H. pylori</i> 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 <i>H. pylori</i> 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 <i>H. pylori</i> IgG antibodies can determine if a person has been infected although these methods do have drawbacks and limitations.</p>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	BDI516
<b>Immunogen:</b>	<i>H. pylori</i> (whole organism)
<b>Format:</b>	<p><b>State:</b> Liquid purified IgG fraction (&gt;90% pure). <b>Purification:</b> Protein A Chromatography. <b>Buffer System:</b> 0.01M PBS, pH 7.2 containing 0,09% Sodium Azide as preservative and no stabilizers.</p>
<b>Applications:</b>	<p>ELISA. Western Blot. IFA.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>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</i> (mix), <i>Salmonella</i> (mix), <i>Shigella</i> (mix), <i>P. aeruginosa</i>, <i>Yersinia</i> and <i>Citrobacter</i>.</p>
<b>Storage:</b>	<p>Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>

