

## Helicobacter pylori Antibody [clone B-53.4] (V3103)

Catalog No.	Formulation	Size
V3103-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3103-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3103SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Helicobacter pylori
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	B-53.4
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Not Known
<b>Localization</b>	Cell surface and cytoplasm
<b>Applications</b>	ELISA : 1-5ug/ml for coating (order BSA/sodium azide-free format) Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml
<b>Limitations</b>	This Helicobacter pylori antibody is available for research use only.



## Description

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. This antibody stains the individual *H. pylori* bacterium when it presents on the surface of the epithelium or in the cytoplasm of the epithelial cells in biopsy tissue sections from the antrum and body of the stomach.

## Application Notes

Optimal dilution of the *Helicobacter pylori* antibody should be determined by the researcher.

## Immunogen

Total sonicate of *Helicobacter pylori* was used as the immunogen for the *Helicobacter pylori* antibody.

## Storage

Store the *Helicobacter pylori* antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).