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

Availability	1-3 business days
Species Reactivity	Helicobacter pylori
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	B-53.4
Purity	Protein G affinity chromatography
UniProt	Not Known
Localization	Cell surface and cytoplasm
Applications	ELISA: 1-5ug/ml for coating (order BSA/sodium azide-free format) Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 1-2ug/ml
Limitations	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 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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