



Recombinant *H. pylori* HP0305 antigen [His] (DAGC470)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, LF
Molecular Weight	20.8 kDa
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2µm filtered solution in PBS
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction

Helicobacter pylori is a Gram-negative, microaerophilic bacterium that can inhabit various areas of the stomach, particularly the antrum. It causes a chronic low-level inflammation of the stomach lining and is strongly linked to the development of duodenal and gastric ulcers and stomach cancer. Over 80 percent of individuals infected with the bacterium are asymptomatic. 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.

Keywords

Helicobacter pylori; H pylori; HP0305
