


# Recombinat IMMUNOBLOT kits for diagnostics of **Helicobacter pylori** infection using the automated BlueDiver system

Cat. No:	Product	No. of Tests
BD-HpAL24	BlueBLOT-LINE Helicobacter IgA	24
BD-HpGL24	BlueBLOT-LINE Helicobacter IgG	24

BlueDiver Instrument, Immunoblot Software and BlueBLOT-LINE Helicobacter kits - a complete solution for simple, fast and accurate analysis of immunoblots including evaluation.

## ANTIGENS

	Diagnostic importance
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Reactive control	
IgG Conjugate control	
CagA, p120	· Cytotoxin associated gene A, highly specific, virulence factor
VacA, p87	· Vacuolating cytotoxin A, highly specific, virulence factor
UreA, p29	· Light subunit of urease, specific, virulence factor
NAP	· Neutrophil-activating protein, virulence factor, potential biomarker of gastritis
HpaA	· Helicobacter pylori adhesin A, surface lipoprotein, potential biomarker of gastritis and gastric ulcer
HcpC	· Helicobacter cystein-rich protein, virulence factor
GroEL	· Chaperonin, heat shock protein (Hsp 60), virulence factor, considered as a marker of chronic infection

**BlueBLOT-LINE  
Helicobacter IgG**

- ▶ Determination of presence of antibodies against specific *H. pylori* antigens
- ▶ Confirmation of positive and ambiguous results

## ANTIBODY RESPONSE

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### IgA:

Antibodies are produced not only in the acute stage of the disease but also in chronic infection of gastric mucosa along with IgG antibodies. Increased level of IgA antibodies was also described in patients with a risk of gastric carcinoma.

### IgG:

Presence indicates contact with *H. pylori*. However, it does not provide any evidence of infection activity. Seroconversion occurs approximately 2 months after primary infection.

## TEST CHARACTERISTICS

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Pathogen	Diagnostic sensitivity	Diagnostic specificity
Helicobacter pylori IgA	95.5%	96.6%
Helicobacter pylori IgG	96.2%	94.8%

## METHOD CORRELATION

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	BlueBLOT-LINE Helicobacter	
	Conformity in %	
	IgA	IgG
EIA (TestLine)	87.6	81.7
BLOT (competition)	96.6	97.4

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## CONTACT

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