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Product datasheet for EA200033

Helicobacter pylori CagA ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Helicobacter pylori CagA ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	31.25-2000pg/ml
Sample Type:	Human serum, plasma, fecal extraction sample and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of CagA
Sensitivity:	18pg/ml
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	• CagA Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant|1 plate • Recombinant H. Pylori CagA Standard (100ng/ml)|0.1 mL • 100x Biotin conjugated CagA Detection Antibody|0.12 mL • 100x SA-HRP Conjugate0.12 mL • Assay Buffer|40 mL • Sample Diluent|30 mL • Detection Antibody Diluent 12ml • Wash Buffer Concentrate 20X|60 mL • TMB Substrate|12 mL • Stop Solution|12 mL • Plate Sealer|3 pieces

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Background: Helicobacter pylori (H. pylori) is a Gram-negative bacterium causing gastritis, peptic ulcer disease and gastric adenocarcinoma. Although H. pylori could induce strong inflammation, it is not able to clear the bacterium, resulting in persistent infection. Cytotoxin-associated gene A (CagA), one of H. pylori virulence factors, is an effector secreted by the type IV secretion system into gastric epithelial cells, which undergoes tyrosine phosphorylation and activates a series of intracellular signal transduction reactions, resulting in severe tissue inflammation and damage. Some H. pylori strains contain particular pathogenic genes such as CagA, while others lack these genes. The CagA protein of H. pylori has been found to be associated with more severe clinical manifestations. Many studies indicate that CagA of H. pylori plays critical roles in H. pylori-induced gastric inflammation and chronic infection with Helicobacter pylori CagA-positive strains is the strongest risk factor of gastric cancer.

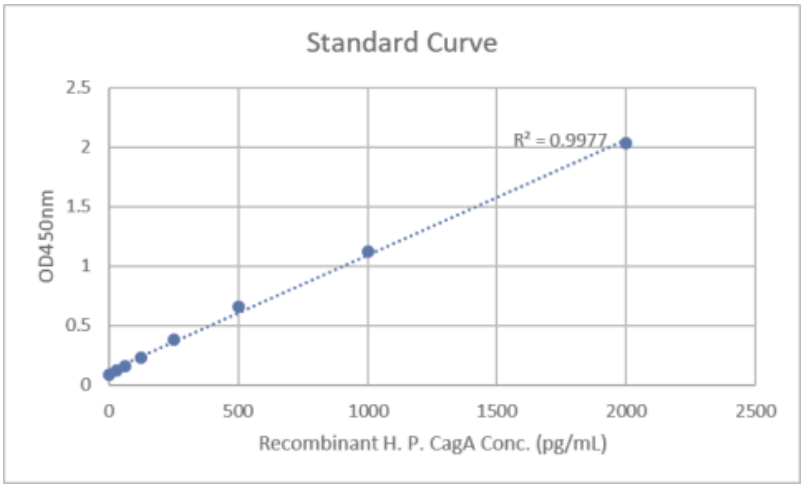
Gene Symbol: CagA

Gene ID: J5D21_RS02575

Standard Curve:

Data image of Helicobacter pylori CagA ELISA Kit.

Product images:



Data image of Helicobacter pylori CagA ELISA Kit.