

## Product datasheet for **TA355304**

### H.PYLORI Mouse Monoclonal Antibody [Clone ID: ULC3R]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ULC3R
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Helicobacter pylori
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to 151 amino acids of the HopE molecule
Specificity:	Helicobacter pylori
Formulation:	Liquid tissue culture supernatant containing 15 mM sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Background:	Helicobacter pylori is a motile, helix-shaped Gram-negative, microaerophilic, bacterial pathogen which is capable of converting from a spiral form to a coccoid form to favor its survival. Almost 50% of the world's population, approaching 100% in some countries, are infected. There are numerous strains of Helicobacter pylori which can be grouped into two broad families, type I and type II, based on their expression of the hopQ allele. Type I and type II strains are reported to express VacA (vacuolating toxin) responsible for vacuolation of gastric epithelial cells and induction of apoptosis. Type I strains are reported to express CagA protein which is associated with deregulation of intercellular signaling pathways and initiation of pathogenesis (virulent strains) and are closely related to gastric diseases such as peptic ulceration, gastric ulceration, chronic gastritis, mucosa-associated lymphoid tissue (MALT) lymphoma and intestine type gastric adenocarcinomas. Type II strains are reported not to express CagA proteins. HopE is a 31 kD porin protein which is part of a family of 32 outer membrane proteins present in Helicobacter pylori bacteria. HopE is highly conserved in Helicobacter pylori strains, but not among other strains of the Helicobacter genus.



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**Product images:**