



Mouse Anti-Bordetella pertussis FHA Monoclonal Antibody, clone 2B7 [HRP] (CABT- NS1649)

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

PRODUCT INFORMATION

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| Specificity | Base on ELISA, this antibody reacts with FHA. |
| Target | B. pertussis FHA |
| Isotype | IgG |
| Source/Host | Mouse |
| Species Reactivity | B. pertussis |
| Clone | 2B7 |
| Purification | Protein G |
| Conjugate | HRP |
| Applications | ELISA (Det) |
| Format | Liquid |
| Size | 0.2 mg, 1 mg |
| Buffer | 0.01M PBS, pH7.2, 33% glycerol. |
| Preservative | None |
| Storage | Store at 4°C short term (1-2 weeks). Store at -20°C or -80°C at least 2 years. Avoid freeze/thaw cycle. |

BACKGROUND

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| Introduction | <p><i>Bordetella pertussis</i> is a Gram-negative, aerobic, pathogenic, encapsulated coccobacillus of the genus <i>Bordetella</i>, and the causative agent of pertussis or whooping cough. Like <i>B. bronchiseptica</i>, <i>B. pertussis</i> is motile and expresses a flagellum-like structure. Its virulence factors include pertussis toxin, adenylate cyclase toxin, filamentous hæmagglutinin, pertactin, fimbria, and tracheal cytotoxin.</p> <p>The bacterium is spread by airborne droplets; its incubation period is 7–10 days on average (range 6–20 days). Humans are the only known reservoir for <i>B. pertussis</i>. The complete <i>B. pertussis</i> genome of 4,086,186 base pairs was published in 2003. Compared to its closest relative <i>B. bronchiseptica</i>, the genome size is greatly reduced. This is mainly due to the adaptation to one host species (human) and the loss of capability of survival outside of a host body.</p> |
| Keywords | <p><i>Bordetella pertussis</i> FHA; <i>B. pertussis</i> FHA; <i>Bordetella pertussis</i> Filamentous hemagglutinin; FHA; Filamentous hemagglutinin; Filamentous hemagglutinin antigen; Pertussis FHA; FHA protein; Anti-HA FHA Hemagglutinin</p> |