



Mouse Anti-Bordetella pertussis FHA Monoclonal Antibody, clone 2H21 (CABT- NS1648)

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

PRODUCT INFORMATION

Specificity	Base on ELISA, this antibody reacts with FHA.
Target	B. pertussis FHA
Isotype	IgG
Source/Host	Mouse
Species Reactivity	B. pertussis
Clone	2H21
Purification	Protein G
Conjugate	unconjugated
Applications	ELISA (Cap)
Format	Liquid
Size	0.2 mg, 1 mg
Buffer	50mM Glycine-HCl.100mM Tris-HCl 150mM NaCl 0.1mM EDTA,pH7.4-8.0
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

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>