



Anti-IBV Hemagglutinin Polyclonal antibody (DPAB4264)

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

PRODUCT INFORMATION

Product Overview

Influenza Hemagglutinin protein is an envelope glycoprotein responsible for binding to sialic receptors and influenza viral entry into host cells. The antibody was produced by immunization of rabbits with purified recombinant influenza B Jiangsu/10/2003 Virus produced in insect cells using baculovirus expression vector system. The antigen was purified under conditions that preserve the HA proteins biological activity and tertiary structure. Influenza Hemagglutinin protein is an envelope glycoprotein responsible for binding to sialic receptors and influenza viral entry into host cells. The antibody was produced by immunization of rabbits with purified recombinant influenza B Jiangsu/10/2003 Virus produced in insect cells using baculovirus expression vector system. The antigen was purified under conditions that preserve the HA proteins biological activity and tertiary structure.

Target	IBV Hemagglutinin
Immunogen	Recombinant Influenza B Jiangsu/10/2003.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	IBV
Conjugate	Unconjugated
Applications	ELISA, WB
Format	50% glycerol & 0.005% NaN3 pH-7.
Size	20 µg, 100 µg
Preservative	See individual product datasheet

Storage	Store at -20°C. Two years at -20°C, one month at 4°C.
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Ship	Antibody is shipped in liquid form with ice packs.
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BACKGROUND

Introduction

Influenza-B virus is a genus in the virus family Orthomyxoviridae. The only species in this genus is called "Influenza B virus". Influenza B virus only infects humans and seals. This limited host range is apparently in contrast with those caused by the similar Influenza virus A as both mutate by both genetic drift and reassortment. Influenza-B virus evolves slower than A viruses and faster than C viruses. Influenza-B virus mutates at a rate 2-3 times lower than type A. However, influenza B mutates enough that lasting immunity is not possible. The Influenza B virus capsid is enveloped while its virion consists of a matrix protein + envelope + nucleoprotein complex + nucleocapsid, and a polymerase complex. Influenza B is sometimes spherical and sometimes filamentous. Its 500 or so surface projections are made of hemagglutinin and neuraminidase. The Influenza B virus is 14648 nucleotides long and consists of eight segments of linear negative-sense, single-stranded RNA. The multipartite genome is encapsidated, each segment in a separate nucleocapsid, and the nucleocapsids are surrounded by one envelope.

Keywords

IB; Orthomyxoviridae; Influenzavirus B; Isavirus; Thogotovirus; HA; HA1; HA2; Hemagglutinin; Hemagglutinin HA1 chain; Hemagglutinin HA2 chain; Hemagglutinin Protein; HA