



Anti-IAV Hemagglutinin Polyclonal antibody (DPAB3577)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Avian Influenza Hemagglutinin, which was raised against a synthetic peptide corresponding to 16 amino acids in the middle of the avian influenza neuraminidase protein. Efforts were made to use relatively conserved regions as the ant
Target	IAV Hemagglutinin
Immunogen	Avian Influenza Neuriminidase (Intermediate Domain) Peptide
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	IAV
Purification	Affinity chromatography purified via peptide column
Conjugate	Unconjugated
Applications	ELISA
Size	100 µg
Buffer	Antibody is supplied in PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Stored at 4°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

BACKGROUND

Introduction

Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species-jumping ability.

Keywords

Avian Influenza Hemagglutinin (IN); ha; HA1; HA2; Hemagglutinin; Hemagglutinin ha1 chain; Hemagglutinin ha2 chain; Hemagglutinin precursor; Group V; Orthomyxoviridae