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Datasheet for ABIN6990501 anti-Influenza B Virus Neuraminidase antibody (Avian Influenza Virus) (AA 150-200)



Overview

Quantity:	0.1 mg
Target:	Influenza B Virus Neuraminidase (NA)
Binding Specificity:	AA 150-200
Reactivity:	Avian Influenza Virus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA
Product Details	
Immunogen:	Avian influenza neuraminidase antibody 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 antigen. The immunogen is located within
	amino acids 150 - 200 of Avian Influenza Neuraminidase.
Isotype:	IgG
Purification:	Avian Influenza Neuraminidase Antibody is affinity chromatography purified via peptide
	column.
Target Details	
Target:	Influenza B Virus Neuraminidase (NA)
Alternative Name:	Avian Influenza Neuraminidase (NA Products)

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Target Details	
Target Type:	Influenza Protein
Background:	Avian Influenza Neuraminidase Antibody: Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA. Novel influenza virus strains 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. Although it has been known that cleavage site and glycosylation patterns of the HA protein play important roles in determining the pathogenicity of H5 avian influenza viruses, it has only recently been shown that an additional glycosylation site within the globular head of the NA protein also contributes to the high virulence of the H5N1 virus.
UniProt:	Q710U6
Application Details	
Application Notes:	Avian influenza neuriminidase antibody can be used for the detection of the avian influenza neuriminidase protein from the H5N1 strain of Avian influenza A in ELISA. It will detect 10 ng of free peptide at 1 μ ,g/mL.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Avian Influenza Neuraminidase Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	Avian Influenza Neuraminidase antibody can be stored at 4°C for three months and -20°C, stable for up to 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.

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