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Datasheet for 600-401-Z13

Avian Influenza Nonstructural Protein 2 Antibody

Overview

Description:	Anti-Avian Influenza Nonstructural Protein 2 (RABBIT) Antibody - 600-401-Z13
Item No.:	600-401-Z13
Size:	100 µg
Applications:	ELISA
Reactivity:	Virus
Host Species:	Rabbit

Product Details

Background:	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, including the so-called "avian flu" or H5N1, can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. One of the less studied proteins encoded by the influenza virus is the nonstructural protein (NS) 2. NS2 binds to the influenza matrix protein M1 that is bound to the ribonucleoprotein (RNP) complex and mediates the contact between the M1/RNP complex and the cellular exportin CRM, but does not interact with nucleosomes.
Synonyms:	Avian Influenza Nonstructural Protein 2 Antibody,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	H5N1
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Avian Influenza Nonstructural Protein 2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to 14 amino acids near the internal region of the Avian Influenza Nonstructural Protein 2 protein. Efforts were made to use relatively conserved regions of the viral sequence as the antigen.
Purity/Specificity:	Anti-Avian Influenza Nonstructural Protein 2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Avian Influenza Nonstructural Protein 2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q2L6Z2 • NCBI - ABC72654

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Avian Influenza Nonstructural Protein 2 Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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