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www.rockland.com
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Datasheet for 600-401-Z00

Avian Influenza A H7N9 Hemagglutinin Antibody

Overview

Description:	Anti-Avian Influenza A H7N9 Hemagglutinin (RABBIT) Antibody - 600-401-Z00
Item No.:	600-401-Z00
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 (1). 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 (2). These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. H7N9 bird flu is the newest atypical influenza virus infection that has just been reported since early 2013. The emergence of this new strain occurred in China and has become the present focus for possible worldwide pandemic (3).
Synonyms:	Avian Influenza A H7N9 Hemagglutinin Antibody,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	Anti-Avian Influenza A H7N9 Hemagglutinin antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to 11 amino acids near the internal region of the H7N9 [Influenza A virus (A/Shanghai/02/2013(H7N9))] hemagglutinin protein.
Purity/Specificity:	Anti-Avian Influenza A H7N9 Hemagglutinin antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. virus
Relevant Links:	• UniProtKB - R4NN21 • NCBI - AGL44438

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Avian Influenza A H7N9 Hemagglutinin Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 62 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

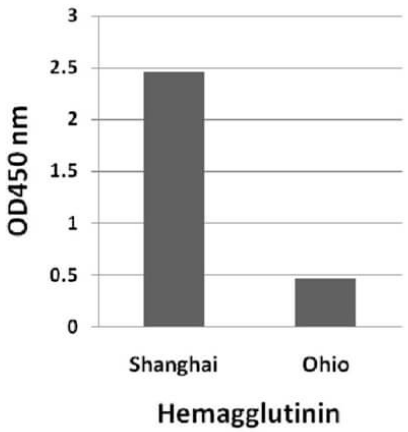
Formulation

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.

Images



ELISA
ELISA results of purified Rabbit anti-H7N9 Hemagglutinin antibody tested at 1 µg/ml detects 10 ng of H7N9 Influenza A virus [A/Shanghai/02/2013(H7N9)] hemagglutinin peptide, and to a lesser extent, 10 ng of H7N9 Influenza A virus [A/blue-winged teal/Ohio/566/2006(H7N9)] hemagglutinin peptide.

Disclaimer

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