

Datasheet for 600-401-Z01**Avian Influenza A H7N9 Hemagglutinin Antibody****Overview**

Description:	Anti-Avian Influenza A H7N9 Hemagglutinin (RABBIT) Antibody - 600-401-Z01
Item No.:	600-401-Z01
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 hemagglutinin [Influenza A virus (A/blue-winged teal/Ohio/566/2006(H7N9))] 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

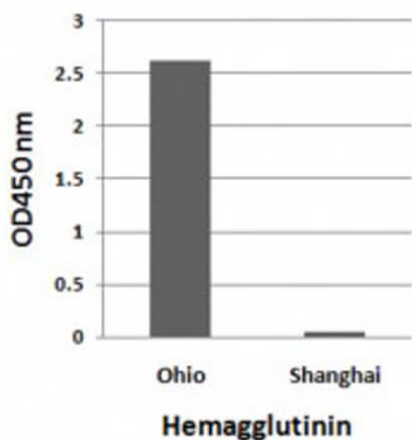
Formulation

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 Influenza A virus (A/blue-winged teal/Ohio/566/2006(H7N9)) hemagglutinin peptide, and not 10 ng of Influenza A virus (A/Shanghai/02/2013(H7N9)) hemagglutinin peptide.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.