

**Datasheet for 600-401-Z13****Avian Influenza Nonstructural Protein 2 Antibody****Overview**

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

<b>Synonyms:</b>	Avian Influenza Nonstructural Protein 2 Antibody,
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	H5N1
<b>Reactivity:</b>	Virus
<b>Immunogen Type:</b>	Conjugated Peptide

<b>Immunogen:</b>	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.
<b>Purity/Specificity:</b>	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.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q2L6Z2</a></li><li>• <a href="#">NCBI - ABC72654</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	User Optimized

## Formulation

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

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## 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.