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Datasheet for 600-401-EX7

Swine H1N1 Nonstructural Protein 1 Antibody

Overview

Description:	Anti-Swine H1N1 Nonstructural Protein 1 (RABBIT) Antibody - 600-401-EX7
Item No.:	600-401-EX7
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. In early 2009, a novel swine-origin influenza A (H1N1) virus (S-OIV) was identified in specimens obtained from patients in Mexico and the United States. One of the less studied proteins encoded by, but not incorporated in, the influenza virus is the nonstructural protein (NS) 1. NS1 counters cellular antiviral activities and acts as a virulence factor. It can bind to double-stranded RNA and sequester it from 2'-5'OAS, preventing the activation of the RNAse L, which normally acts to degrade RNA and prevent virus replication. NS1 also binds to and inhibits the anti-viral protein kinase PKR.
Synonyms:	Swine H1N1 Nonstructural Protein 1 Antibody, NEWENTRY
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NS1
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NS1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide from. The swine-Origin Influenza NS1.

Purity/Specificity:	Anti-Swine H1N1 Nonstructural Protein 1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for the Swine-Origin H1N1 influenza NS1 and will not recognize the corresponding NS1 sequence from the seasonal H1N1 influenza (A/South Australia/51/2005 (H1N1)).
Relevant Links:	• UniProtKB - C3W5S7 • NCBI - ACP41110

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Swine H1N1 Nonstructural Protein 1 Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 25 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
WB:	User Optimized

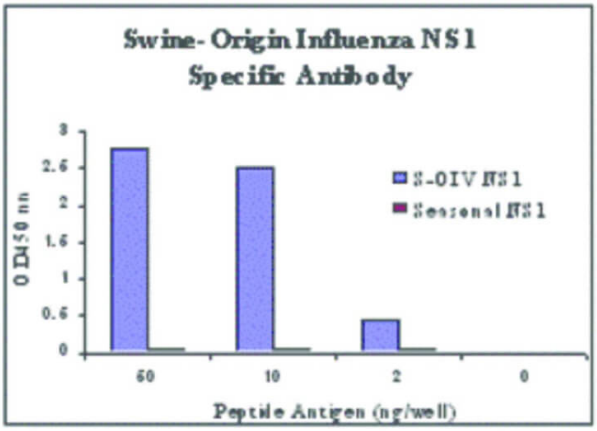
Formulation

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 of Swine H1N1 Nonstructural Protein 1 antibody. Antigen: BSA conjugates of Swine H1N1 Nonstructural Protein 1. Coating amount: 60, 10, 2, and 0 ng per well. Primary antibody: Swine H1N1 Nonstructural Protein 1 antibody at 1 µg/mL. Dilution series: 2-fold. Mid-point concentration: 5 ng/mL Swine H1N1 Nonstructural Protein 1 antibody. Secondary antibody: Peroxidase rabbit secondary antibody at 1:20,000. Substrate: TMB (p/n TMBE-0100).

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