

**Datasheet for 600-401-EG3****Seasonal H1N1 Nonstructural Protein 1 Antibody****Overview**

<b>Description:</b>	Anti-Seasonal H1N1 Nonstructural Protein 1 (RABBIT) Antibody - 600-401-EG3
<b>Item No.:</b>	600-401-EG3
<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. 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.

<b>Synonyms:</b>	Seasonal H1N1 Nonstructural Protein 1 Antibody
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	NS1
<b>Reactivity:</b>	Virus
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-NS1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide from. The seasonal Influenza NS1 protein.

**Purity/Specificity:** Anti-Seasonal H1N1 Nonstructural Protein 1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for the seasonal H1N1 influenza NS1 and will not recognize the corresponding NS1 sequence from the Swine-Origin H1N1 influenza (A/California/04/2009 (H1N1)).

**Relevant Links:**

- [UniProtKB - A4U724](#)
- [NCBI - ABP49398](#)

## Application Details

**Tested Applications:** ELISA

**Application Note:** Anti-Seasonal 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 26 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

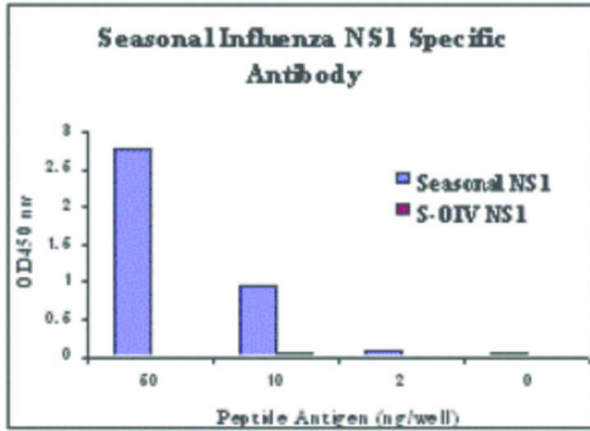
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



#### ELISA

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

#### Disclaimer

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