

Seasonal H1N1 Nonstructural Protein 1 Antibody

Catalog # ASC10963

Product Information

Application	E
Primary Accession	A4U724
Other Accession	ABP49398 , 145278933
Reactivity	Virus
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	NS1 antibody can be used for the detection of the NS1 protein from the H1N1 strain of Seasonal Influenza A in ELISA.

Additional Information

Target/Specificity	NS1; 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)).
Reconstitution & Storage	Seasonal H1N1 Nonstructural Protein 1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	Seasonal H1N1 Nonstructural Protein 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

Seasonal H1N1 Nonstructural Protein 1 Antibody: 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.

References

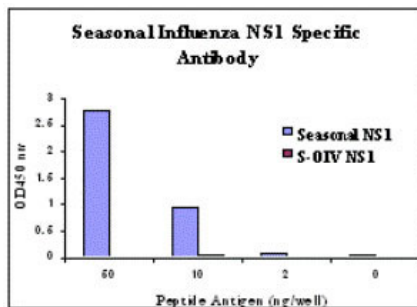
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Images



ELISA results using Seasonal H1N1 Nonstructural Protein 1 antibody at 1 µg/mL and the blocking and corresponding peptides at 60, 10, 2 and 0 ng/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.