

Swine H1N1 Nucleocapsid Protein Antibody

Catalog # ASC11112

Product Information

Application	IF, E
Primary Accession	C4AL25
Other Accession	ACQ76305 , 229535818
Reactivity	Virus
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	NP antibody can be used for the detection of the NP protein from the H1N1 strain of swine-origin Influenza A in ELISA. For immunofluorescence start at 20 µg/mL.

Additional Information

Reconstitution & Storage	Swine H1N1 Nucleocapsid Protein 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	Swine H1N1 Nucleocapsid Protein Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

Swine H1N1 Nucleocapsid Protein 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. The influenza A virus polymerase transcribes and replicates eight virion RNA (vRNA) segments, among which the nucleocapsid protein (NP), thought to control whether mRNA or cRNA is produced. The nucleoprotein (NP), which has multiple functions during the virus life cycle, possesses regions that are highly conserved among influenza A, B, and C viruses. It was recently found several NP mutations that affected the efficient incorporation of multiple viral-RNA (vRNA) segments into progeny virions even though a single vRNA segment was incorporated efficiently. This indicates that the respective conserved amino acids in NP may be critical for the assembly and/or incorporation of sets of eight vRNA segments.

References

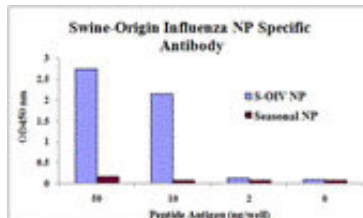
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Images



Swine-origin Nucleocapsid Protein antibody specifically recognizes swine-origin influenza virus (S-OIV) A H1N1 but not seasonal influenza virus A H1N1 Nucleocapsid protein.

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