



Influenza A, Avian, H5N1, Nucleoprotein (NP)

Catalog number

I7649-40N

Supplier

United States Biological

An H6N1 influenza virus was isolated from a green-winged teal during the H5N1 outbreak in Hong Kong Special Administrative Region (SAR) in 1997. This virus possesses similar genes encoding internal proteins as in the human H5N1 and H9N2 influenza viruses. In 1999, influenza viruses from quail infected two humans in Hong Kong, suggesting the potential for avian influenza viruses to cross the species barrier and infect humans without prior reassortment in an intermediate host, such as the pig. The common features shared by H5N1 and H9N2 influenza viruses isolated from humans are the genes encoding the proteins of the replicating complex, the matrix protein (M) gene, the nonstructural protein (NS) gene, nucleoprotein (NP), and N1 neuraminidase (NA). This virus essentially represents the reemergence of the H5N1 influenza viruses with a different hemagglutinin (HA).

Applications

Suitable for use in ELISA, Immunohistochemistry and Immunofluorescence/Immunocytochemistry. Not suitable for use in Western Blot on the recombinant fusion protein. Other applications not tested.

Recommended Dilutions

ELISA: 0.1-1ug/ml

Immunofluorescence/Immunocytochemistry: 1:10

Immunohistochemistry (Frozen/Paraffin): 1:10-1:2000

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to aa 428-441, AFTGNTEGRTSDMR, of avian Influenza A, H5N1 nucleoprotein.

Species Sequence Homology: duck and swine; 100%

Formulation

Supplied as a liquid in PBS, 0.05% BSA, 0.05% sodium azide.

Purity

Purified by Protein G affinity chromatography.

Specificity

Recognizes avian Influenza A, H5N1, Nucleoprotein.

Species Crossreactivity: chicken

**Product Type**

Pab

Isotype

IgG

Grade

Affinity Purified

Applications

E IC IF IHC

Crossreactivity

Av Ch

Storage

-20°C

Reference

1. C. Thompson et al., J. Virol. 80:8060-8068 (2006)