

Influenza A H3N2 Hemagglutinin antibody

Catalog Number: ATGA0535

PRODUCT INFORMATION

Catalog number

ATGA0535

Clone No.

AT1B7

Product type

Monoclonal antibody

UnitProt No.

C6KNH7

NCBI Accession No.

ACS71642.1

Alternative Names

Hemagglutinin, Influenza A virus (A/Perth/16/2009(H3N2) segment 4 hemagglutinin (HA) gene

Additional Information

This product was produced from tissue culture supernatant.

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Influenza A

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant Influenza A H3N2/HA1 (17-345aa) purified from Baculovirus

Isotype

IgG1 kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

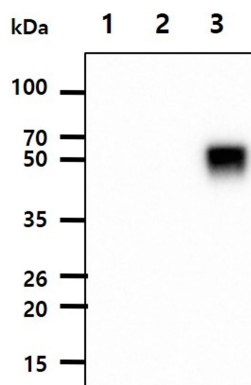
Influenza A virus subtype H3N2, an enveloped virus of the Orthomyxoviridae family, is a respiratory infection in birds and mammals, and is an important cause of human influenza. In birds, humans, and pigs, the virus has mutated into many strains. Its derives from the forms of the two kinds of proteins on the surface of its coat, hemagglutinin (HA) and neuraminidase (NA). Influenza A viruses are further classified into 16HA (H1-H16) and 9NA (N1-N9) serotypes based on the antigenic characteristics of HA and NA envelop glycoprotein. The extent of infection into host organisms are determined by HA, which interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues.

General References

Thomas H., et al. (2011) Ann N Y Acad Sci 1217: 178-190.
Wilson I.A., Cox N.J. (1990) Annu Rev Immunol 8: 737-771.
Cheng X., et al. (2012) Virology 432(1): 91-98.

DATA

Western blot analysis (WB)



The recombinant proteins (100ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-Influenza A H3N2/HA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Recombinant Influenza A H1N1/HA protein
Lane 2.: Recombinant Influenza A H5N2/HA protein
Lane 3.: Recombinant Influenza A H3N2/HA protein