

DATASHEET

Version: 2016-08-17

H1N1 NA (5A4D11), mAb, Mouse

Cat. No.: A01723-40

Size: 40 µg

Synonyms: Hemagglutinin of Influenza A Virus antibody;

Description:

Influenza A (H1N1) virus is a subtype of influenzavirus A and the most common cause of influenza (flu) in humans. A strain of swine-origin H1N1 was responsible for the 2009 flu pandemic. Neuraminidase (NA), a single-pass type II membrane homotetramer, is a major membrane glycoproteins found on the surface of influenza virus. It cleaves the hemagglutinin HA-sialic acid bondage from the newly formed virions and the host cell receptors during budding. Therefore, NA is described as a receptor-destroying enzyme which facilitates virus release and efficient spread of the progeny virus from cell to cell.

GenScript H1N1 NA Antibody (5A4D11), mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from Mouse immunized with purified recombinant full-length Influenza A (H1N1) 2009 virus NA protein (GenBank: CY040001).

Immunogen: purified recombinant full-length Influenza A (H1N1) 2009 virus NA protein (GenBank: CY040001).

Host: Mouse

Antigen Synonyms: Influenza A

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Clone: 5A4D11

Ig Subclass: IgG2b K

Specificity: GenScript H1N1 NA Antibody (5A4D11), mAb, Mouse detects influenza A (H1N1) NA protein.

Purification: Protein A affinity column

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western Blot: 1-2 µg/ml

Reconstitution:

Reconstitute the lyophilized product with deionized water (or equivalent) to the final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of H1N1 NA recombinant protein using H1N1 NA Antibody (5A4D11), mAb, Mouse (GenScript, A01723, 1 µg/ml). The signal was developed with IRDye™ 800 Conjugated affinity Purified Goat Anti-Mouse IgG. Predicted Size: 65 kD. Observed Size: 65 kD.