

## DATASHEET

Version: 2016-08-17

### H1N1 NA (3F11D7),mAb, Mouse

**Cat. No.:** A01719-40

**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 (3F11D7), 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:** 3F11D7

**Ig Subclass:** IgG2a K

**Specificity:** GenScript H1N1 NA Antibody (3F11D7), 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



The signal was developed with IRDye™ 800 Conjugated affinity Purified Goat Anti-Mouse IgG  
 Predicted Size: 65 kD  
 Observed Size: 65 kD