

Anti-Influenza A Virus (subtype H1N1) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 20303

Size: 100ug Protein G-purified antibody in PBS containing 0.02% sodium azide.

BACKGROUND

Influenza A viruses are subdivided into 16 H (H1-H16) and 9 N (N1-N9) subtypes. Nomenclature for these virus isolates indicate the influenza virus type (A or B), host species (omitted if human), geographical site, year of isolation, and the H and N subtype (example: A/California/14/2009 H1N1).

The main antigenic determinants of Influenza A and B viruses are the hemagglutinin (HA) and neuraminidase (NA) transmembrane glycoproteins. NA forms a tetramer with an average size of 220kDa (~55kDa per monomer). The matrix (M) protein of Influenza A virus is one of the two group-specific internal proteins of the virus. The non-structural protein (NP) exists as a homeodimer (~52kDa) consisting of two identical monomers (each ~26kDa).

SPECIFICATION SUMMARY

Antigen: A/California/14/2009 H1N1 virions

Host Species: Rabbit

Antibody Class: Polyclonal

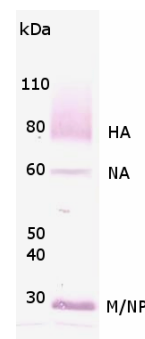
Preservatives: 0.02% sodium azide

SPECIFICITY

This antibody recognizes H1N1 HA (~75kDa), NA (~55kDa), M (~26kDa) and NP (~26-27kDa). M and NP often co-migrate as a single band in SDS-PAGE. It also reacts with A/New Caledonia/20/99, and A/Brisbane/10/2007. Other isolates of H1N1 have not been evaluated.

APPLICATIONS

Immunoblotting: use at 1:500-1:1,000 dilution. These are recommended dilutions. User should determine optimal dilutions for their application.



SDS-PAGE and Western blot analysis of 3ug intact A/California/14/2009 H1N1 virions. Influenza A virus polyclonal antibody was diluted 1:1,000.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.