Seasonal H1N1 Neuraminidase Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 254100
Unit: 0.1 mg

Description:
Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA. In early 2009, a novel swine-origin influenza A (H1N1) virus was identified in specimens obtained from patients in Mexico and the United States. The virus spread quickly around the world and on June 11, 2009, the World Health Organization declared it a pandemic. Influenza A virus has one of sixteen possible Hemagglutinin (HA) surface proteins and one of nine possible Neuraminidase (NA) surface proteins. The Hemagglutinin protein facilitates viral attachment while Neuraminidase is involved in viral release. These proteins also elicit immune responses that prevent infection or independently reduce viral replication. The genetic make-up of this swine flu virus is unlike any other: it is an H1N1 strain that combines a triple assortment first identified in 1998 including human, swine, and avian influenza with two new pig H3N2 virus genes from Eurasia, themselves of recent human origin. The distinct antigenic properties of the new swine influenza virus compared with seasonal influenza A (H1N1) virus suggest that human immunity against new swine influenza virus is limited, although the age distribution of reported cases suggests some degree of protection in older age groups. This antibody is specific for Neuraminidase from the seasonal influenza (H1N1) and will not recognize the corresponding Neuraminidase sequence from the swine-origin influenza virus (A/California/14/2009 (H1N1)).

Isotype: Rabbit Ig
Applications: E
Species Reactivity: Vs
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Seasonal Influenza A (H1N1) Neuraminidase Antibody; Seasonal Influenza A (H1N1) Neuraminidase; Influenza N1; flu N1; NA
Accession No.: ACA33620

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the Seasonal H1N1 Neuraminidase protein.
Application Notes: E: 1:500-1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.