

Product Data Sheet

H1N12-R-10

Recombinant Purified Hemagglutinin HA1 (A/California/06-2009, H1N1) protein

Size: 10 ug

Influenza A (H1N1) virus is a subtype of influenza A virus and was the most common cause of human influenza (flu) in 2009. Some strains of H1N1 are endemic in humans and cause a small fraction of all influenza-like illness and a small fraction of all seasonal influenza. H1N1 strains caused a few percent of all human flu infections in 2004–2005. Other strains of H1N1 are endemic in pigs (swine influenza) and in birds (avian influenza). In June 2009, the World Health Organization declared the new strain of swine-origin H1N1 as a pandemic. This strain is often called swine flu by the public media. Swine influenza (also called swine flu, or pig flu) is an infection by any one of several types of swine influenza virus. Swine influenza virus (SIV) is any strain of the influenza family of viruses that is endemic in pigs. As of 2009, the known SIV strains include influenza C and the subtypes of influenza A known as H1N1, H1N2, H3N1, H3N2, and H2N3.

The Influenza A Virus is a globular particle about 100nm in diameter, sheathed in a lipid bilayer derived from the plasma membrane of its host. Studded in the lipid bilayer are two integral membrane proteins some 500 molecules of hemagglutinin ("H") and some 100 molecules of neuraminidase ("N"). Within the lipid bilayer are 3000 molecules of matrix protein and 8 pieces of RNA. Each of the 8 RNA molecules is associated with many copies of a nucleoprotein, several molecules of the three subunits of its RNA polymerase some "non-structural" protein molecules of uncertain function.

Source: Recombinant Full-Length HA1 protein A/California/06-2009, H1N1; gene accession # ACP41935; 18-344 aa) is purified (>95%, mol wt ~75 kda) from 293 cell culture infected with H1N1 A/New Caledonia/20/99. H1N1 New Caledonia shows 90% similarity to the A/PR/8/34 amino acid sequence. It is supplied in PBS containing 0.1% BSA and 25% glycerol. Store at 4oC. Do not freeze. It is stable for at least 1 year. it is supplied as sterile filtered colorless solution.



Application and Suggested Dilutions: ELISA and Western. Users must optimize the appropriate concentration and conditions for each assay.

Related items

Rabbit-Poly H1N1-01-A Anti-Hemagglutinin-Influenza A Virus H1N1 H1 (H1N1) (A/New Caledonia/20/99) IgG

H1N1-01-R-10 Recombinant Purified Hemagglutinin-Influenza A Virus H1N1 H1 (H1N1) (A/New Caledonia/20/99) protein

Rabbit-Poly H1N1-02-A Anti-Hemagglutinin-Influenza A Virus H1N1 H1 (Pan H1N1 reacts with multiple strains of H1N1) IgG

920-010-PAG Swine/Pig Anti-Influenza A virus IgG ELISA kit

920-020-PAM Swine/Pig Anti-Influenza A virus IgM ELISA kit

920-030-PAA Swine/Pig Anti-Influenza A virus IgA ELISA kit

920-040-HAG Human Anti-Influenza A virus IgG ELISA

920-050-HAM Human Anti-Influenza A virus IgM ELISA

920-060-HAA Human Anti-Influenza A virus IgA ELISA

920-100-AIV Chicken Anti-Avian Influenza A virus (AIV) IgG ELISA kit

920-105-AIM Chicken Anti-Avian Influenza A virus (AIV) IgM ELISA kit

920-300-H51 Chicken Anti-Avian Influenza virus (H5N1) IgG ELISA kit (1x96 wells)

920-300-H52 Chicken Anti-Avian Influenza virus (H5N1) IgG ELISA kit (2x96 wells)

920-400-HBG Human Anti-Influenza B virus Ig's ELISA

920-500-MBG Mouse Anti-Influenza B virus Ig's ELISA

920-600-RBG Rabbit Anti-Influenza B virus Ig's ELISA

920-605-RBG Rabbit Anti-Influenza B virus IgG ELISA

920-610-RBM Rabbit Anti-Influenza B virus IgM ELISA

970-100-H1G Rabbit Anti-Influenza A Virus H1N1 (human/avian) IgG ELISA kit

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