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Influenza-B Malaysia

Catalog #:IHPS-040

For research use only.

Description: Recombinant Full-Length B/Malaysia/2506/2004 is glycosylated with N-linked sµgars, produced using baculovirus vectors in insect cells. The MW is approximately 72,000 Dalton.

Source: Baculovirus Insect Cells.

Physical Appearance: Sterile Filtered colorless solution.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The Recombinant B/Malaysia/2506/2004 solution contains 10mM Sodium Phosphate, pH 7.0 and 150mM NaCl, 0.005% Tween-20.

Stability:

B/Malaysia/2506/2004 Recombinant should be stored at 4°C.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Influenza-B virus is a genus in the virusfamily Orthomyxoviridae. The only species in this genus is called "Influenza B virus". Influenza B virus only infects humansand seals. This limited host range is apparently in contrast with those caused by the similar Influenza virus Aas both mutate by both genetic drift and reassortment. Influenza-B virus evolves slower than A viruses and faster than C viruses. Influenza-B virus mutates at a rate 2-3 times lower than type A. However, influenza B mutates enoµgh that lasting immunity is not possible. The Influenza B virus capsidis enveloped while its virionconsists of a matrix protein + envelope + nucleoprotein complex + nucleocapsid, and a polymerasecomplex. Influenza B is sometimes spherical and sometimes filamentous. Its 500 or so surface projections are made of hemagglutinin and neuraminidase. The Influenza B virus is 14648 nucleotideslong and consists of eight segments of linear negative-sense, single-stranded RNA. The multipartite genome is encapsidated, each segment in a separate nucleocapsid, and the nucleocapsids are surrounded by one envelope.

References:

Title:Broadly cross-reactive antibodies dominate the human B cell response against 2009 pandemic H1N1 influenza virus infection.Publication:Published January 10, 2011 // JEM vol. 208 no. 1 181-193 The Rockefeller University Press, doi: 10.1084/jem.20101352

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