



Product Data Sheet

□ Cat # RP-648

Recombinant Hemagglutinin-Influenza B Virus Jilin 20/03

Size: □ 2 ug

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 enough 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.

Source: Recombinant Full-Length B/Jilin/20/2003 is glycosylated with N-linked sugars, produced using baculovirus vectors in insect cells. Baculovirus Insect Cells. The Recombinant B/Jilin/20/2003 solution contains 30mM Sodium phosphate, pH 7.4 and 150mM NaCl.

Immunological Activity:

Western-Blot 0.1µg -1µg per strip, ELISA 1µg/Well.

Application and Storage: Greater than 90.0% as determined by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage..

Usage:

This item is for LABORATORY ESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals

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