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Product Data Sheet

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Cat # RP-1593

Recombinant Hemagglutinin-Influenza B Virus Malaysia 2506/04

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

**SOURCE:**

Recombinant Full-Length B/Malaysia/2506/2004 is glycosylated with N-linked sugars, produced using

baculovirus vectors in insect cells. The MW is approximately 72,000 Dalton. The Recombinant B/Malaysia/2506/2004 solution contains 10mM Sodium Phosphate, pH 7.0 and 150mM NaCl, 0.005% Tween-20.

**APPLICATION AND SUGGESTED DILUTIONS:**

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

**STORAGE & STABILITY:**

B/Malaysia/2506/2004 Recombinant should be stored at 4°C. If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4oC for ~ 1week or aliquots in suitable size and store at -20oC for long term storage..

**USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

RP-1593

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