



Product Data Sheet

□ Cat # RP-646

Recombinant Hemagglutinin-Influenza B Virus Ohio 01/05

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 capsid is enveloped while its virion consists 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.

Form and Source

Recombinant Full-Length B/Ohio/01/05 is glycosylated with N-linked sugars, produced using baculovirus vectors in insect cells (>95%). It is supplied in 30mM Sodium phosphate, pH 7.4 and 50mM NaCl and 0.05% azide (or see lot sp. conc on the vial) or in lyophilized form. **Reconstitute** powder in water at 10 ug/ml or higher concentration. Store liquid at -20oC or below in smaller aliquots.

Immunological Activity:

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

Usage:

This item is for LABORATORY ESEARCH USE ONLY

Related items

Catalog#	ProdDescription
INF A11-M	Mouse Anti-Influenza A virus IgG, aff pure
INF B15-M	Mouse Anti-Influenza B IgG, aff pure
MA-20170	Mouse Monoclonal Anti-Human Influenza A virus Nucleoprotein
MA-20171	Mouse Monoclonal Anti-Human Influenza B virus Nucleoprotein
RP-1520	Influenza A Virus (H1N1) Beijing 262/95
RP-1521	Influenza A Virus (H1N1) New Caledonia 20/99 IV 116
RP-1522	Influenza A Virus (H3N2) Shangdong 9/93
RP-1523	Influenza A Virus (H3N2) Kiev 301/94 like /Johannesburg 33/94
RP-1524	Influenza A Virus (H3N2) Panama 2007/99
RP-1525	Influenza A Virus (H1N1) Taiwan 1/86
RP-1526	Influenza B Virus Qingdao 102/91 (purified virus, inactivated)
RP-1527	Influenza B Virus Tokio 53/99 (purified virus, inactivated)
RP-1528	Influenza B Virus Victoria 504/00 (purified 7/6/2011, inactivated)
RP-1591	Influenza B Virus Florida 04/06 (purified virus, inactivated)
RP-1592	Influenza B Virus Malaysia 2506/04 (purified virus, inactivated)
RP-1593	Recombinant Hemagglutinin Influenza B Virus Malaysia 2506/04 (HA full length, insect cells)
RP-638	Recombinant Hemagglutinin Influenza A Virus H1N1 New Caledonia 20/99 (HA protein full length, Sf9 cells)
RP-639	Recombinant Hemagglutinin Influenza A Virus H1N1 Texas 36/91
RP-640	Recombinant Hemagglutinin Influenza A Virus H7N7 Netherlands 219/03
RP-641	Recombinant Hemagglutinin Influenza A Virus H5N1 Vietnam 1203/04

RP-642	Recombinant Hemagglutinin Influenza A Virus H3N2 New York 55/04 (HA protein full length, Sf9 cells)
RP-643	Recombinant Hemagglutinin Influenza A Virus H3N2 Wyoming 3/03
RP-644	Recombinant Hemagglutinin Influenza A Virus H9N2 Hong Kong 1073/99
RP-645	Recombinant Hemagglutinin Influenza A Virus H1N1 California/04/2009
RP-646	Recombinant Hemagglutinin Influenza B Virus Ohio 01/05 (HA full length, insect cells)
RP-647	Recombinant Hemagglutinin Influenza A Virus H3N2 Wisconsin 67/05
RP-648	Recombinant Hemagglutinin Influenza B Virus Jilin 20/03 (HA full length, insect cells)
SP-53126-5	Influenza HA (307 - 319) (AA: Pro-Lys-Tyr-Val-Lys-Gln-Asn-Thr-Leu-Lys-Leu-Ala-Thr) (MW: 1503.82)
SP-56844-5	Influenza HA (518 - 526) (AA: Ile-Tyr-Ser-Thr-Val-Ala-Ser-Ser-Leu) (MW: 940.07)
SP-58255-5	Influenza A NP (366 - 374) Strain A/NT/60/68 (AA: Ala-Ser-Asn-Glu-Asn-Met-Asp-Ala-Met) (MW: 982.06)
SP-64000-5	Influenza HA (110 - 120) (AA: Ser-Phe-Glu-Arg-Phe-Glu-Ile-Phe-Pro-Lys-Glu) (MW: 1428.62)
SP-64021-5	Influenza NP (147 - 155) (AA: Thr-Tyr-Gln-Arg-Thr-Arg-Ala-Leu-Val) (MW: 1107.29)
SP-68060-5	Influenza A NP (366 - 374) Strain A/PR/8/35 (AA: Ala-Ser-Asn-Glu-Asn-Met-Glu-Thr-Met) (MW: 1026.12)
SP-68061-5	PA (224-233), Influenza (AA: Ser-Ser-Leu-Glu-Asn-Phe-Arg-Ala-Tyr-Val) (MW: 1185.31)
SP-83168-5	NS2(114 - 121), Influenza (AA: Arg-Thr-Phe-Ser-Phe-Gln-Leu-Ile) (MW: 1011.20)
SP-83170-5	PB1(703 - 711), Influenza (AA: Ser-Ser-Tyr-Arg-Arg-Pro-Val-Gly-Ile) (MW: 1034.19)
SP-86614-5	Influenza NP (50 - 57) (AA: Ser-Asp-Tyr-Glu-Gly-Arg-Leu-Ile) (MW: 952.04)
SP-86615-5	Influenza NP (482 - 489) (AA: Ser-Asn-Glu-Gly-Ser-Tyr-Phe-Phe) (MW: 949.98)
SP-86616-5	Influenza HA (529 - 537) (AA: Ile-Tyr-Ala-Thr-Val-Ala-Gly-Ser-Leu) (MW: 894.04)
SP-86617-5	Influenza HA (210 - 219) (AA: Thr-Tyr-Val-Ser-Val-Gly-Thr-Ser-Thr-Leu) (MW: 1027.15)
SP-86618-5	Influenza HA (204 - 212) (AA: Leu-Tyr-Gln-Asn-Val-Gly-Thr-Tyr-Val) (MW: 1056.19)
SP-86619-5	Influenza HA (110 - 119) (AA: Ser-Phe-Glu-Arg-Phe-Glu-Ile-Phe-Pro-Lys) (MW: 1299.50)
SP-86620-5	Influenza A NP (366 - 374) (AA: Ala-Ser-Asn-Glu-Met-Asn-Asp-Ala-Met) (MW: 982.06)
SP-86621-1	Influenza A M2 coat protein (22 - 46) (AA: Ser-Ser-Asp-Pro-Leu-Val-Val-Ala-Ala-Ser-Ile-Ile-Gly-Ile-Leu-His-Leu-Ile-Leu-Trp-Ile-Leu-Arg-Leu) (MW: 2728.34)
SP-88515-1	Hemagglutinin (48-68) / Influenza virus (AA: Thr-Gly-Lys-Ile-Cys-Asn-Asn-Pro-His-Arg-Ile-Leu-Asp-Gly-Ile-Asp-Cys-Thr-Leu-Ile-Asp) (MW: 2311.67)

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