

Peptide Array, Influenza Virus A/Vietnam/1203/2004 (H5N1) Hemagglutinin Protein

Catalog No. NR-2704

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Product Description: The 10-peptide array spans the hemagglutinin protein of the A/Vietnam/1203/2004 (H5N1) strain of influenza virus (GenPept: AAW80717). The initial 16-amino-acid signal peptide has been excluded; therefore the array starts from a mature N-terminus. In addition, cysteine residues have been substituted with serine at positions C4, C42, C274, C467, C541, C548 and C551. Peptides are 45- to 80-mers, with 16 to 22 amino acid overlaps.

Lot: PC1212

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Correct MW by ESI/MS
- Counter Ion Trifluoroacetate

Peptide-specific information is shown in the two tables below.

Table 1		
Peptide	Length	Sequence
1 of 9	80	1-DQISIGYHANNSTEQVDTIMEKNVTVTHAQDILEKKHNGKLSLDLGVKPLILRDCSVAGWLLGNPMCDEFINVPEWSYIV-80
2 of 9	80	61-LLGNPMSDEFINVPEWSYIVEKANPVNDLCYPGDFNDYEELKHLISRINHFEKIQIIPKSSWSSHEASLGVSSACPYQGK-140
3 of 9	80	121-SWSSHEASLGVSSACPYQGKSSFFRNVVWLIKKNSTYPTIKRSYNNNTNQEDLLVLWGIHHPNDAAEQTKLYQNPTTYISV-200
4 of 9	80	181-PNDAAEQTKLYQNPTTYISVGTSTLNQRLVPRIATRSKVNGQSGRMEFFWTILKPNDAINFESNGNFIAPEYAYKIVKKG-260
5 of 9	79	241-FESNGNFIAPEYAYKIVKKG DSTIMKSELEYGNSNTKCQTPMGAINSSMPFHNIHPLTIGECKPYVKS NRLVLATGLRN-319
6 of 9	80	300-GECPKYVKS NRLVLATGLRN SPQRERRRKRGLFGAIAGFIEGGWQGMVDGWYGYHHSNEQGSYAADKESTQKAIDGVT-379
7 of 9	80	358-NEQGSYAADKESTQKAIDGVTNKVNSIIDKMNTQFEAVGREFNLERRIENLNKKMEDGFLDVWVTYNAELLVLMENERT-437
8 of 9	80	418-FLDVWVTYNAELLVLMENERTLDFHDSNVKNLYDKVRLQLRDN AKELGNGSFEFYHKCDNECMESVRNGTYDYPQYSEEAR-497
9B of 9	45	478-CMESVRNGTYDYPQYSEEARLKREEISGVKLESIGIYQILSIYST-522
9A of 9	46	507-KLESIGIYQILSIYSTVASSLALAIMVAGLSLWMSNGSLQSRISI-552

Peptide	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a
1 of 9	8967.40	-0.3	87.4%
2 of 9	9097.00	-0.4	92.3%
3 of 9	9117.31	-0.6	84.2%
4 of 9	9011.80	-0.6	99.2%
5 of 9	8767.40	-0.4	93.8%
6 of 9	8843.64	-0.9	89.7%
7 of 9	9186.40	-0.8	83.7%
8 of 9	9591.00	-0.9	90.3%
9B of 9	5221.39	-0.6	82.2%
9A of 9	4873.99	0.1	undetermined ^b

^a% full-length
^bdifficult to purify by HPLC due to high content of hydrophobic residues

Date: 20 JUN 2014

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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