Influenza Virus B/Hong Kong/330/2001 Nucleoprotein Diverse Peptide

Catalog No. NR-36054
This reagent is the tangible property of the U.S. Government.

Product Description: NR-36054 is a peptide that represents one region of amino acid sequence diversity in the nucleoprotein (NP) of influenza virus B/Hong Kong/330/2001 (GenPept: AAT69437) compared to the NP of influenza virus B/Florida/4/2006 (GenPept: ACF54251; peptide array available as BEI Resources NR-36045). It also represents a sequence within influenza virus B/Hong Kong/330/2001 that could be recognized by CD4 T cells.

Lot: P595784-C

The following information applies to all peptides:

- Appearance: White lyophilized powder
- Mass spectral analysis: Correct MW by Electrospray or MALDI
- Counter Ion: Trifluoroacetate

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

<table>
<thead>
<tr>
<th>Peptide</th>
<th>Date of Mfg.</th>
<th>Length</th>
<th>Sequence</th>
<th>Molecular Weight (amu)</th>
<th>Purity by HPLC</th>
<th>Peptide Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR-36054</td>
<td>6/4/2012</td>
<td>17</td>
<td>55-TTSSEADVGRKTQNKQT-71</td>
<td>1853</td>
<td>99.9%</td>
<td>68.6%</td>
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</tbody>
</table>

Table 2 - Amino Acid Analysis

<table>
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<tr>
<th>Peptide</th>
<th>Ala (A)</th>
<th>Arg (R)</th>
<th>Asx (N,D)</th>
<th>Cys (C)</th>
<th>Glx (Q,E)</th>
<th>Gly (G)</th>
<th>His (H)</th>
<th>Ile (I)</th>
<th>Leu (L)</th>
<th>Lys (K)</th>
<th>Met (M)</th>
<th>Phe (F)</th>
<th>Pro (P)</th>
<th>Ser (S)</th>
<th>Thr (T)</th>
<th>Trp (W)</th>
<th>Tyr (Y)</th>
<th>Val (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR-36054</td>
<td>1.00</td>
<td>1.00</td>
<td>2.00</td>
<td>3.00</td>
<td>1.00</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
<td>2.04</td>
<td>1.00</td>
<td>2.00</td>
<td>4.00</td>
<td>1.00</td>
<td>1.82</td>
<td>3.88</td>
<td>1.04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actual</td>
<td>1.01</td>
<td>1.02</td>
<td>2.01</td>
<td>2.89</td>
<td>1.01</td>
<td>2.04</td>
<td>1.82</td>
<td>3.88</td>
<td>1.04</td>
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</tr>
</tbody>
</table>

Date: 08 AUG 2012

Signature: Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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