

**Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, B/Florida/4/2006, Recombinant from Baculovirus**

**Catalog No. NR-15748**

This reagent is the tangible property of the U.S. Government.

**Product Description:**

The hemagglutinin (HA) protein from influenza B virus B/Florida/4/2006 containing a C-terminal histidine tag was produced in High Five™ insect cells using a baculovirus expression vector system and was purified by metal affinity chromatography.

**Lot: 58951683**

**Manufacturing Date: 25JUL2012**

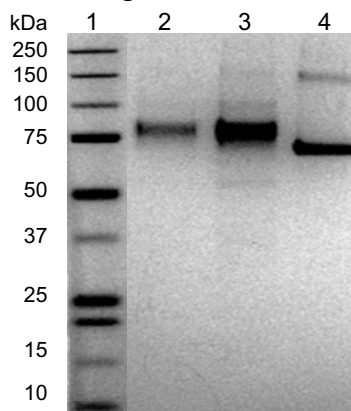
TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear and colorless	Clear and colorless
<b>SDS-PAGE (Figure 1)</b> Purity by Coomassie Blue densitometer scan	Dominant band of expected size (~75 kDa) > 95% pure	Dominant band of expected size (~75 kDa) > 95% pure
<b>Concentration by Bicinchoninic Acid Assay<sup>1</sup></b> Bovine Serum Albumin (standard)	Report results	0.075 mg/mL
<b>Vial Contents</b> Quantity per vial Volume per vial	Report results Report results	25 µg 333 µL
<b>Functional Activity</b> Hemagglutination activity Chicken red blood cells Turkey red blood cells	Report results Report results	Active at ≥ 0.047 µg/mL Active at ≥ 0.023 µg/mL
<b>Identification by Western Blot</b> Polyclonal anti-influenza B HA <sup>2</sup> Monoclonal anti-histidine tag <sup>3</sup>	Report results Report results	Reactive (Figure 2) Reactive (Figure 3)
<b>Filtration</b>	Report results	0.45 µm filtered

<sup>1</sup>Using BSA as a standard

<sup>2</sup>Immune Technology Corp. (Cat. No. IT-003-032)

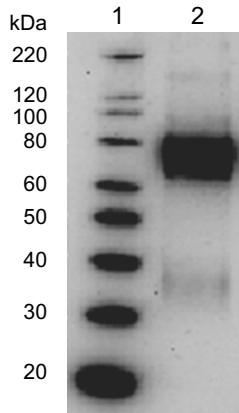
<sup>3</sup>R & D Systems® (Cat. No. MAB050) (IgG<sub>1</sub>)

**Figure 1 – SDS-PAGE**



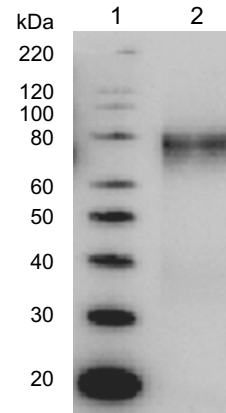
Lane 1: Precision Plus Protein™ All Blue Standards  
Lane 2: 0.75 µg NR-15748  
Lane 3: 1.5 µg NR-15748  
Lane 4: 1 µg BSA

Figure 2 – Western Blot with Polyclonal Anti-HA



Lane 1: MagicMark™ XP Western Protein Standard  
Lane 2: 0.5 µg NR-15748

Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Western Protein Standard  
Lane 2: 0.5 µg NR-15748

/Sonia Bjorum Brower/  
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Technical Manager or designee, ATCC Federal Solutions

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