

Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, B/Florida/4/2006 (Yamagata Lineage), 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 (Yamagata Lineage) 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: 63406886

Manufacturing Date: 06JUL2015

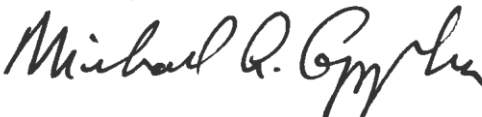
TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
Purity by SDS-PAGE Densitometry Scan	Protein band of interest represents ≥ 90% of total staining intensity	Dominant band of ~ 70 kDa accounts for ~ 90% of total staining intensity (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay¹	Report results	61 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	26 µg 420 µL
Functional Activity Hemagglutination activity 0.5% chicken red blood cells 0.5% turkey red blood cells Western blot analysis Polyclonal anti-influenza B HA ² Monoclonal anti-histidine tag ³	Report results Report results Reactive Reactive	Positive Positive Reactive (Figure 2) Reactive (Figure 3)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	≤ 16.4 EU per mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹Pierce Protein Research Products (Cat. No. 32106)

²Immune Technology Corp. (Cat. No. IT-003-0081) (1:1000 dilution)

³R & D Systems (Cat. No. MAB050) (IgG1) (1:1000 dilution)

Date: 22 JUL 2015

Signature: 

BEI Resources Authentication

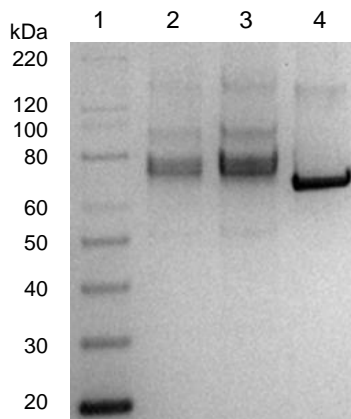
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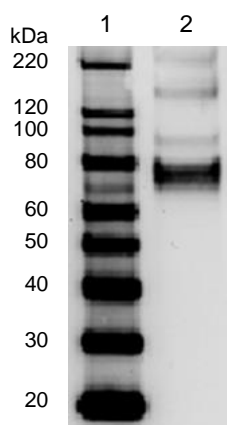


Figure 1 – SDS-PAGE



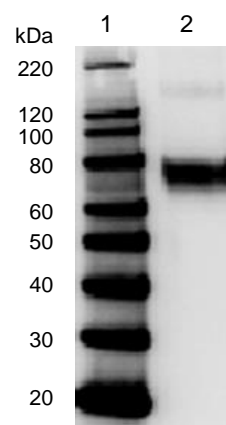
Lane 1: Precision Plus Protein™ Standard
 Lane 2: NR-15748, 0.61 µg
 Lane 3: NR-15748, 1.22 µg
 Lane 4: BSA, 1.0 µg

Figure 2 – Western Blot with Polyclonal Anti-HA



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-15748, 0.61 µg

Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-15748, 0.61 µg