

Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, B/Hong Kong/330/2001 (Victoria Lineage), Recombinant from Baculovirus

Catalog No. NR-43780

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

Product Description: A recombinant form of the hemagglutinin (HA) protein from influenza B virus, B/Hong Kong/330/2001 (Victoria Lineage) containing a C-terminal histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and was purified by nickel affinity chromatography.

Lot: 64291300

Manufacturing Date: 03JUN2016

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 ~ 80 kDa accounts for > 90% of total staining intensity (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay¹	Report results	164 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	75 µg 460 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	< 15.24 EU per mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

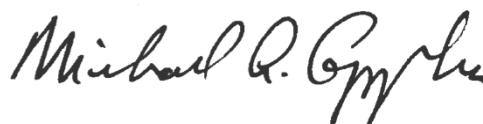
¹Using BSA as a standard

²Immune Technology Corp. (Cat. No. IT-003-032) (1:1000 dilution)

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

Date: 16 SEP 2016

Signature:



BEI Resources Authentication

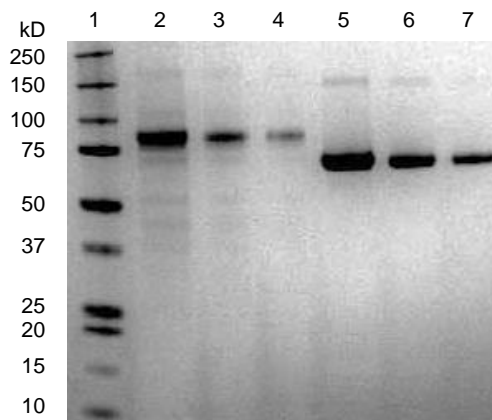
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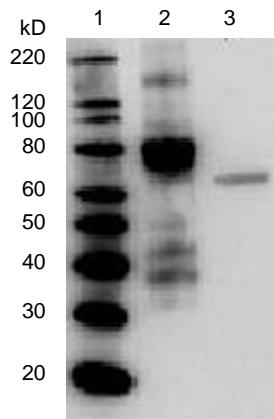


Figure 1: SDS-PAGE



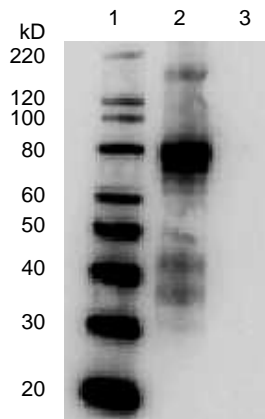
Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-43780, 20 µL
 Lane 3: NR-43780, 10 µL
 Lane 4: NR-43780, 5 µL
 Lane 5: BSA, 4 µg
 Lane 6: BSA, 2 µg
 Lane 7: BSA, 1 µg

Figure 2: Western Blot with Polyclonal Anti-HA



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-43780, 5 µL
 Lane 3: BSA, 1 µg

Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-43780, 5 µL
 Lane 3: BSA, 1 µg