

**H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/California/04/2009 (H1N1)pdm09, Recombinant from Baculovirus**

**Catalog No. NR-15749**

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

**Product Description:** The H1 hemagglutinin (HA) protein from influenza A virus, A/California/04/2009 (H1N1)pdm09 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: 63937214**

**Manufacturing Date: 04MAR2016**

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear and colorless	Clear and colorless
<b>Purity by SDS-PAGE Densitometry Scan</b>	Protein band of interest represents > 95% of total staining intensity	Dominant band of ~ 75 kDa accounts for ~ 95% of total staining intensity (Figure 1)
<b>Concentration by Bradford Assay<sup>1</sup></b>	Report results	315 µg per mL
<b>Final Product</b> Quantity per vial Volume per vial	Report results Report results	142 µg 450 µL
<b>Functional Activity</b> Western blot analysis Polyclonal anti-H1 HA <sup>2</sup> Monoclonal anti-histidine tag <sup>3</sup>	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
<b>Endotoxin Content (Limulus Amoebocyte Lysate Assay)</b>	Report results	45.0 EU per mg
<b>Filtration</b>	0.2 µm sterile-filtered	0.2 µm sterile-filtered

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

<sup>2</sup>Immune Technology Corp. (Cat. No. IT-003-SW) (1:1000 dilution)

<sup>3</sup>R & D Systems® Cat. No. MAB050 (IgG1) (1:1000 dilution)

**Date:** 23 MAR 2016

**Signature:** 

BEI Resources Authentication

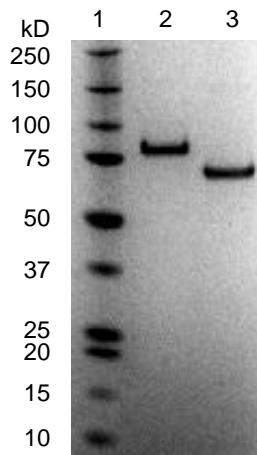
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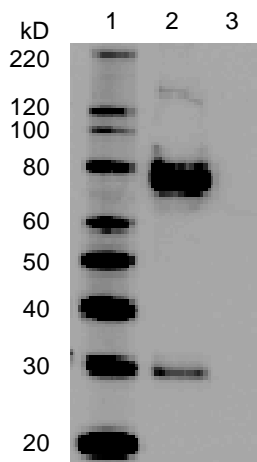


**Figure 1 – SDS-PAGE**



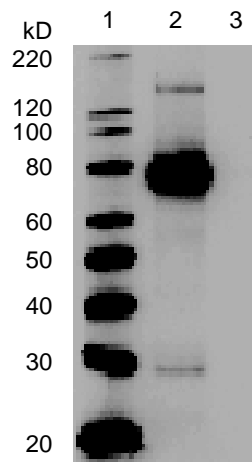
Lane 1: Precision Plus Protein™ Standard  
 Lane 2: NR-15749, 1.0 µg  
 Lane 3: BSA, 1.0 µg

**Figure 2 – Western Blot with Polyclonal Anti-H1 HA**



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-15749, 0.5 µg  
 Lane 3: BSA, 0.5 µg

**Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag**



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-15749, 0.5 µg  
 Lane 3: BSA, 0.5 µg