

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 High Five™ insect cells using a baculovirus expression vector system and was purified by nickel affinity chromatography.

Lot: 62246299

Manufacturing Date: 09JAN2014

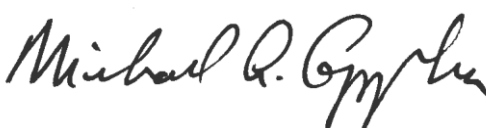
TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE Densitometry Scan	Protein band of interest represents > 95% of total staining intensity above background.	Protein band of interest represents > 95% of total staining intensity above background. (Figure 1)
Concentration by Bradford Assay¹	Report results	410 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	144 µg 350 µL
Functional Activity Western blot analysis Polyclonal anti-H1 HA ² Monoclonal anti-histidine tag ³	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
Filtration	0.2 µm filtered	0.2 µm filtered

¹Using BSA as a standard

²Immune Technology Corp. (Cat. No. IT-003-SW)

³R & D Systems® (Cat. No. MAB050) (IgG₁)

Date: 27 FEB 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

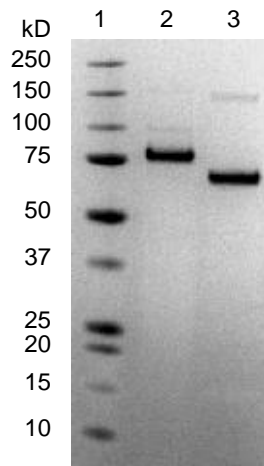
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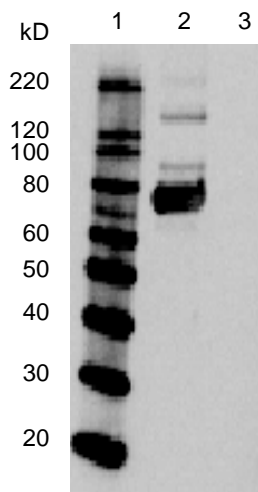


Figure 1 – SDS-PAGE



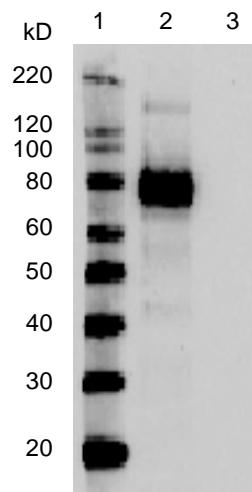
Lane 1: Precision Plus Protein™ Marker (BioRad)
 Lane 2: 1 µg NR-15749
 Lane 3: 1 µg BSA

Figure 2 – Western Blot with Polyclonal Anti-H1 HA



Lane 1: Magic Mark™ XP (Life Technologies)
 Lane 2: 1 µg NR-15749
 Lane 3: 1 µg BSA

Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: Magic Mark™ XP (Life Technologies)
 Lane 2: 1 µg NR-15749
 Lane 3: 1 µg BSA