SUPPORTING INFECTIOUS DISEASE RESEARCH

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 (IMAC).

Lot: 61631611

Manufacturing Date: 26MAR2013

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 Assay ¹	Report results	410 µg/mL
Final Product Quantity per vial Volume per vial	Report results Report results	164 μg 400 μL
Functional Activity Western blot analysis Polyclonal anti-H1 HA ² Monoclonal anti-histidine tag ³	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
DNA Sequence Analysis Hemagglutinin Gene	Consistent with A/California/04/2009 (H1N1)pdm09	100% Identity with California/04/2009 (H1N1)pdm09
Filtration	0.22 µm filtered-sterilized	0.22 µm filtered-sterilized

¹Using BSA as a standard

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

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

Date: 18 JUN 2013

Signature: Dorothy C. Young

Title:

Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.



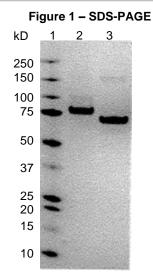
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Certificate of Analysis for NR-15749

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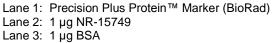


Figure 2 – Western Blot with Polyclonal Anti-H1 HA

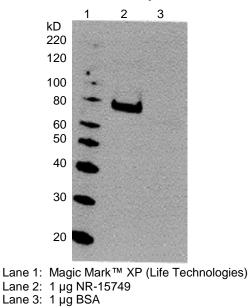
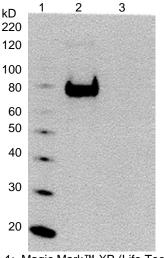


Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag



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

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