SUPPORTING INFECTIOUS DISEASE RESEARCH

# H7 Hemagglutinin (HA) Protein from Influenza Virus, A/Shanghai/1/2013 (H7N9), Recombinant from Baculovirus

#### Catalog No. NR-44079

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

**Product Description:** A recombinant form of the H7 hemagglutinin (HA) protein from influenza A virus, A/Shanghai/1/2013 (H7N9) was produced in Sf9 insect cells using a baculovirus expression vector system, purified by nickel affinity chromatography, and treated with thrombin to remove a C-terminal histidine tag.

## Lot: 62038611

## Manufacturing Date: 27NOV2013

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE	Protein band of interest represents > 95% of total staining intensity	Dominant band of ~ 70 kDa accounts for ~ 95% of total staining intensity (Figure 1)
Concentration by Bradford Assay <sup>1</sup>	Report results	309 µg per mL
<b>Final Product</b> Quantity per vial Volume per vial	Report results Report results	124 μg 400 μL
Functional Activity Hemagglutination activity 0.5% chicken red blood cells 0.5% turkey red blood cells Western blot analysis Polyclonal anti-H7 HA <sup>2</sup> Monoclonal anti-histidine tag <sup>3</sup>	Report results Report results Reactive Not reactive	Positive Positive Reactive (Figure 2) Not reactive (Figure 3)
Filtration	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-003-0081) (1:1000 dilution)

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

Date: 20 MAY 2014

Signature:

Title:

Michael Q. Com he

Technical Manager, BEI Authentication or designee

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

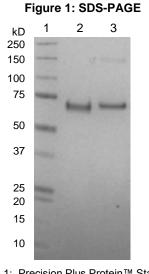


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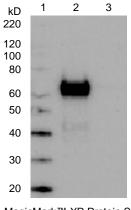
# **Certificate of Analysis for NR-44079**

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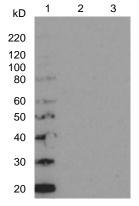
Lane 1: Precision Plus Protein™ Standard Lane 2: NR-44079, 1 µg Lane 3: BSA, 1 µg

Figure 2: Western Blot with Polyclonal Anti-H7 HA



Lane 1: MagicMark™ XP Protein Standard Lane 2: NR-44079, 1 µg Lane 3: BSA, 1 µg

#### Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard Lane 2: NR-44079, 1 µg Lane 3: BSA, 1 µg

E-mail: <u>contact@beiresources.org</u> Tel: 800-359-7370 Fax: 703-365-2898