

H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Brisbane/59/2007 (H1N1), Recombinant from Baculovirus

Catalog No. NR-28607

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

Product Description: A recombinant form of the H1 hemagglutinin (HA) protein from influenza A virus, A/Brisbane/59/2007 (H1N1) 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: 70001607

Manufacturing Date: 01JUN2017

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Appearance | Clear and colorless | Clear and colorless |
| Purity by SDS-PAGE Densitometry Scan | Protein band of interest represents > 95% of total staining intensity | Dominant band of ~ 80 kDa accounts for > 95% of total staining intensity (Figure 1) |
| Concentration by Bradford Assay ¹ | Report results | 273 µg per mL |
| Final Product Quantity per vial Volume per vial | Report results Report results | 109 µg 400 µL |
| Functional Activity Hemagglutination activity using 0.5% turkey red blood cells Western blot analysis Polyclonal anti-H1 HA ² Monoclonal anti-histidine tag ³ | Report results Reactive Reactive | Positive Reactive (Figure 2) Reactive (Figure 3) |
| Endotoxin Content (Limulus Amoebocyte Lysate Assay) | Report results | < 18.3 EU per mg |
| Filtration | 0.2 µm filtered | 0.2 µm filtered |

¹Using BSA as a standard

²Immune Technology Corp. (Cat. No. IT-003-001) (1:1000 dilution)

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

Date: 25 JUL 2017

Signature:



BEI Resources Authentication

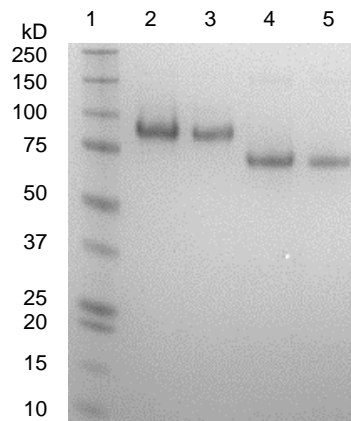
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Figure 1: SDS-PAGE



Lane 1: Precision Plus Protein™ Standard

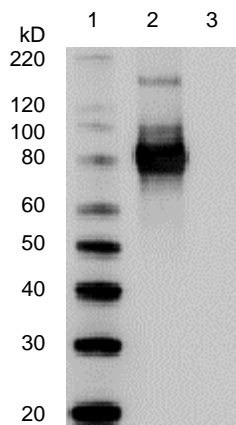
Lane 2: NR-28607, 2.0 µg

Lane 3: NR-28607, 1.0 µg

Lane 4: BSA, 2.0 µg

Lane 5: BSA, 1.0 µg

Figure 2: Western Blot with Polyclonal Anti-H1 HA

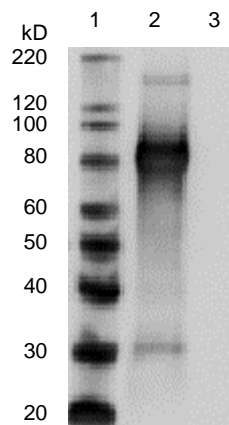


Lane 1: MagicMark™ XP Protein Standard

Lane 2: NR-28607, 1.0 µg

Lane 3: BSA, 1.0 µg

Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard

Lane 2: NR-28607, 1.0 µg

Lane 3: BSA, 1.0 µg