

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

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Product Description:

A recombinant form of 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. The HA protein includes a C-terminal peptide containing a thrombin cleavage site, trimerizing (foldon) domain and octa-histidine tag, as described for the 1918 pandemic virus.

Lot: 70068270

Manufacturing Date: 21AUG2024

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Clear and colorless
SDS-PAGE Analysis	Protein band of interest represents > 90% of total staining intensity	Dominant band of ~ 75 kDa accounts for 93.6% of total staining intensity (Figure 1)
Concentration by Bradford Assay ¹	Report results	0.26 mg/mL
Final Product Quantity per vial Volume per vial	Report results Report results	117 µg 450 µL
Identification by Western Blot Monoclonal anti-histidine tag ² Polyclonal anti-HA ³	Reactive Reactive	Reactive (Figure 2A) Reactive (Figure 2B)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	< 19.15 EU/mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹Using bovine serum albumin (BSA) as a standard.

²Using a 1:5000 dilution of mouse monoclonal anti-histidine tag (R&D Systems MAB050) as primary antibody and a 1:5000 dilution of HRP-conjugated goat anti-mouse IgG (R&D Systems HAF007) as secondary antibody.

³Using a 1:5000 dilution of rabbit polyclonal anti-HA (H1N1/California/06/2009) (ImmuneTech IT-003-SW) as primary antibody and a 1:5000 dilution of HRP-conjugated goat anti-rabbit IgG (R&D Systems HAF008) as secondary antibody.

Certificate of Analysis for NR-15749

Figure 1: SDS-PAGE Analysis

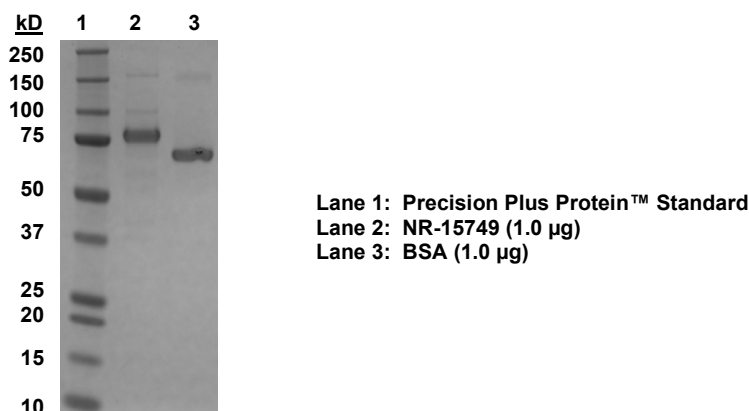
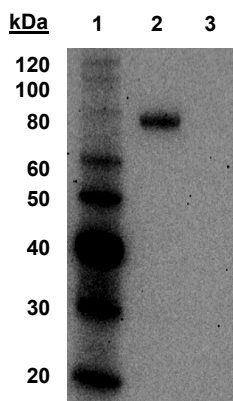
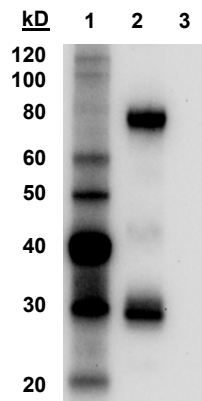


Figure 2: Western Blot Analysis

A: Monoclonal Anti-Histidine Tag



B: Polyclonal Anti-H1 HA



/Sonia Bjorum Brower/

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22 SEP 2026

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