

H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Puerto Rico/8/1934 (H1N1), Recombinant from Baculovirus

Catalog No. NR-19240

Product Description:

A recombinant form of the H1 hemagglutinin (HA) protein from influenza A virus, A/Puerto Rico/8/1934 (H1N1), 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.

Lot: 70074334

Manufacturing Date: 25APR2025

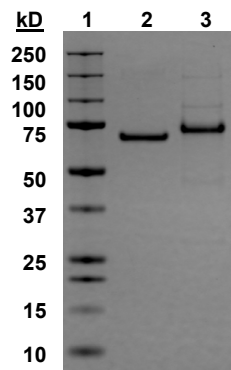
TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
Purity by SDS-PAGE Densitometry Scan	Protein band of interest represents > 90% of total staining intensity	Dominant band of ~ 75 kDa accounts for > 90% of total staining intensity (Figure 1)
Concentration by Bradford Assay¹	Report results	0.35 mg/mL
Vial Contents Quantity per vial Volume per vial	Report results Report results	131 µg 375 µL
Functional Activity Hemagglutination activity 0.5% chicken red blood cells 0.5% turkey red blood cells	Report results Report results	Positive (1:200) Positive (1:200)
Identification by Western Blot Monoclonal anti-histidine tag ² Polyclonal anti-HA ³	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	65.81 EU/mg
Filtration	0.2 µm filter-sterilized	0.2 µm filter-sterilized

¹Using bovine serum albumin (BSA) as a standard

²Using a 1:1000 dilution of mouse monoclonal anti-histidine tag (R&D Systems MAB050-100) as primary antibody and a 1:1000 dilution of HRP-conjugated anti-mouse IgG (R&D Systems HAF-007) as secondary antibody

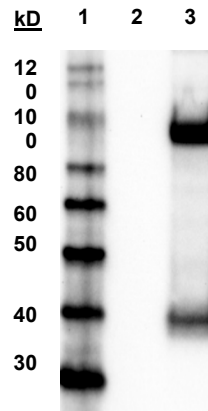
³Using a 1:1000 dilution of rabbit polyclonal anti-HA (H1N1/California/06/2009) (ImmuneTech IT-003-SW) as primary antibody and a 1:1000 dilution of HRP-conjugated anti-rabbit IgG (R&D Systems HAF-008) as secondary antibody

Figure 1: SDS-PAGE Analysis



Lane 1: Precision Plus Protein™ Standard
Lane 2: BSA, 1 µg
Lane 3: NR-19240, 1 µg

Figure 2: Western Blot with Monoclonal Anti-Histidine Tag

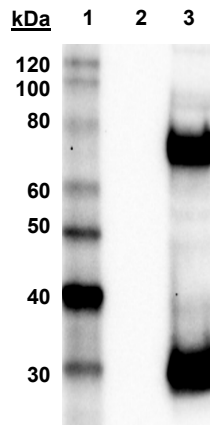


Lane 1: MagicMark™ XP Protein Standard

Lane 2: BSA (0.5 µg)

Lane 2: NR-19240, 0.5 µg

Figure 3: Western Blot with Polyclonal Anti-HA



Lane 1: MagicMark™ XP Protein Standard

Lane 2: BSA (0.5 µg)

Lane 2: NR-19240, 0.5 µg

/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

15 JUL 2025

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