

H3 Hemagglutinin (HA) Protein from Influenza A Virus, A/Hong Kong/4801/2014 (H3N2), Recombinant from Baculovirus

Catalog No. NR-58621

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

Product Description:

A recombinant form of the ectodomain of the H3 hemagglutinin (HA) protein from influenza A virus, A/Hong Kong/4801/2014 (H3N2), with a hexa-histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and purified using ion exchange and affinity chromatography. This lot was manufactured and subjected to quality control testing by St. Jude Children's Research Hospital (SJCRRH), Memphis, Tennessee, USA.

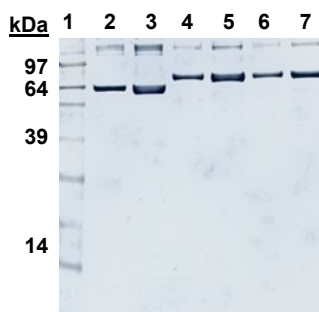
Lot: 70055085

Manufacturing Date: 07FEB2019

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Opalescent
SDS-PAGE Analysis	Report results	Dominant band of ~ 80 kDa (Figure 1)
Concentration by Bicinchoninic Acid Assay Bovine Serum Albumin (BSA; standard)	Report results	1.2 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	300 µg 250 µL
Functional Activity Western blot analysis with polyclonal anti-HA ¹	Report results	Reactive (Figure 2)
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered
Endotoxin	Report results	≤ 0.5 EU per mL

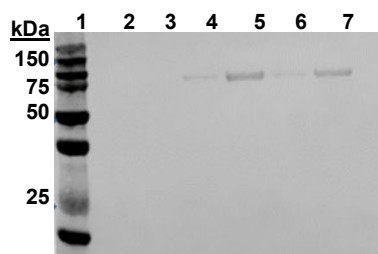
¹Using a 1:2000 dilution anti-H3 polyclonal goat antiserum G.22161 (2018) against A/Hong Kong/2286/2017 (H3N2) influenza virus as primary antibody

Figure 1: SDS-PAGE



Lane 1: Molecular Weight Markers
Lane 2: BSA, 1.0 µg
Lane 3: BSA, 2.5 µg
Lane 4: NR-58621, 1.0 µg (pre-vial)
Lane 5: NR-58621, 2.5 µg (pre-vial)
Lane 6: NR-58621, 1.0 µg (post-vial)
Lane 7: NR-58621, 2.5 µg (post-vial)

Figure 2: Western Blot with Polyclonal Anti-HA



Lane 1: Molecular Weight Markers
Lane 2: BSA, 1.0 µg
Lane 3: BSA, 2.5 µg
Lane 4: NR-58621, 1.0 µg (pre-vial)
Lane 5: NR-58621, 2.5 µg (pre-vial)
Lane 6: NR-58621, 1.0 µg (post-vial)
Lane 7: NR-58621, 2.5 µg (post-vial)

/Sonia Bjorum Brower/
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Technical Manager or designee, ATCC Federal Solutions

14 OCT 2022

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