

H9 Hemagglutinin (HA) Protein from Influenza A Virus, A/Hong Kong/308/2014 (H9N2), Recombinant from Baculovirus

Catalog No. NR-51861

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

Product Description:

A recombinant form of the H9 hemagglutinin (HA) protein from influenza A virus, A/Hong Kong/308/2014 (H9N2) was produced in Sf9 insect cells using a baculovirus expression vector system. The recombinant HA protein containing the H9 ectodomain and a hexahistidine tag was purified by ion exchange and affinity chromatography.

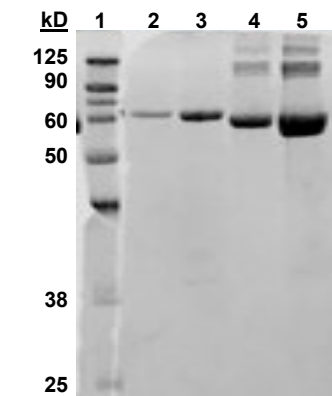
Lot: 70029439¹

Manufacturing Date: 03JUL2019

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Opalescent
SDS-PAGE Analysis	Protein band of interest represents > 90% of total staining intensity	Dominant band of ~ 62 kDa accounting for > 90% of total staining intensity (Figure 1)
Identification by Western blot analysis Polyclonal Anti-HA	Reactive	Reactive (Figure 2)
Protein Concentration	Report results	1.3 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	650 µg 0.5 mL
Functional Activity Hemagglutination activity 0.5% chicken red blood cells 0.5% turkey red blood cells	Report results Report results	Positive (1:16) Positive (1:32)
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

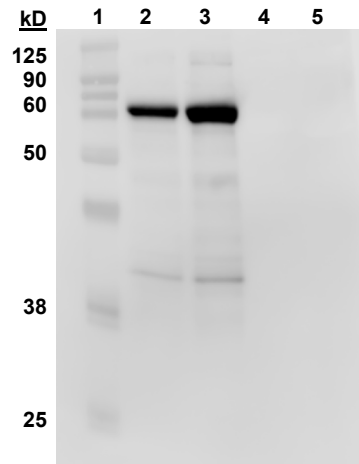
¹This item was manufactured and subjected to quality control testing by St. Jude Children's Research Hospital (SJCRRH), Memphis, Tennessee, USA.

Figure 1: SDS-PAGE Analysis of Recombinant H9 HA Protein



Lane 1: Molecular weight markers
 Lane 2: NR-51861 (1 µg)
 Lane 3: NR-51861 (2.5 µg)
 Lane 4: BSA (1 µg)
 Lane 5: BSA (2.5 µg)

Figure 2: Western Blot Analysis with Polyclonal Anti-HA Tag



Lane 1: Molecular weight markers
 Lane 2: NR-51861 (1 µg)
 Lane 3: NR-51861 (2.5 µg)
 Lane 4: Negative control, BSA (1 µg)
 Lane 5: Negative control, BSA (2.5 µg)

/Heather Couch/
 Heather Couch

07 JAN 2020

Program Manager or designee, ATCC Federal Solutions

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