

H9 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/turkey/Wisconsin/1/1966 (H9N2), Recombinant from Baculovirus

Catalog No. NR-43782

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/turkey/Wisconsin/1/1966 (H9N2) 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: 62694629

Manufacturing Date: 08JUL2014

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE	Protein band of interest represents > 95% of total staining intensity	Dominant band of ~ 60 kDa accounts for ~ 95% of total staining intensity (Figure 1)
Concentration by Bradford Assay¹	Report results	590 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	118 µg 200 µL
Functional Activity Hemagglutination activity 0.5% chicken red blood cells 0.5% turkey red blood cells Western blot analysis Polyclonal anti-H9 HA ² Monoclonal anti-histidine tag ³	Report results Report results Reactive Reactive	Positive Positive Reactive (Figure 2) Reactive (Figure 3)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	< 10.1 EU per mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹Using BSA as a standard

²Genetex (Cat. No. GTX127305) (1:5000 dilution)

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

Date: 30 JUL 2014

Signature: *Michael R. Gynther*

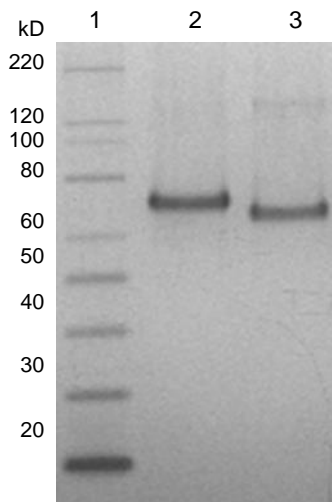
Title: Technical Manager, BEI Authentication or designee

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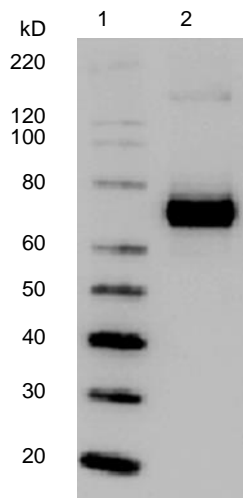


Figure 1: SDS-PAGE



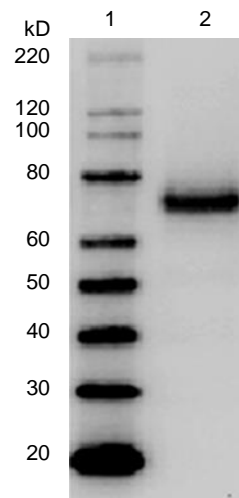
Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-43782, 1.0 µg
 Lane 3: BSA, 0.5 µg

Figure 2: Western Blot with Polyclonal Anti-H9 HA



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-43782, 0.25 µg

Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-43782, 0.25 µg