

H5 Hemagglutinin (HA) Protein from Influenza Virus, A/chicken/Netherlands/14015531/2014 (H5N8), Recombinant from Baculovirus

Catalog No. NR-50133

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

Product Description: A recombinant form of the H5 hemagglutinin (HA) protein from influenza A virus, A/chicken/Netherlands/14015531/2014 (H5N8) was produced in Sf9 insect cells using a baculovirus expression vector system, purified by nickel affinity chromatography, and treated with thrombin to remove a C-terminal histidine tag.

Lot: 64449478

Manufacturing Date: 01SEP2016

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 ~ 70 kDa accounts for ~ 95% of total staining intensity (Figure 1)
Concentration by Bradford Assay¹	Report results	429 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	129 µg 300 µL
Functional Activity Western blot analysis Polyclonal anti-H7 HA ² Monoclonal anti-histidine tag ³	Reactive Not reactive	Reactive (Figure 2) Not reactive (Figure 3)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	< 11.7 EU per mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹Using BSA as a standard

²BEI Resources NR-49241, Polyclonal Anti-Influenza Virus H5 Hemagglutinin (HA), A/duck/Laos/3295/2006 (H5N1) (purified immunoglobulin, Sheep) (1:20000 dilution)

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

Date: 16 NOV 2016

Signature: 

BEI Resources Authentication

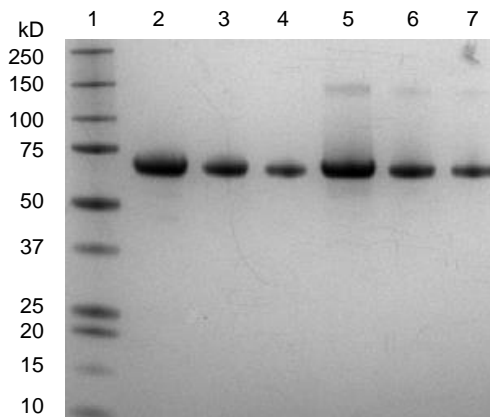
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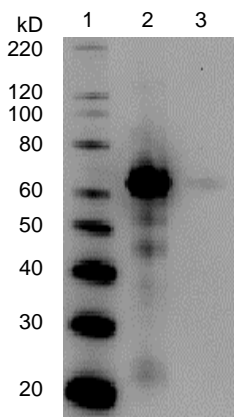


Figure 1: SDS-PAGE



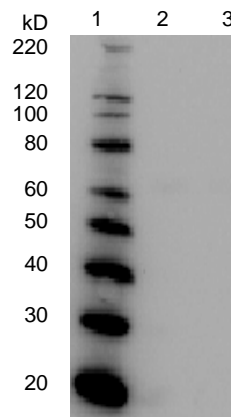
Lane 1: Precision Plus Protein™ Standard
 Lane 2: NR-50133, 4 µg
 Lane 3: NR-50133, 2 µg
 Lane 4: NR-50133, 1 µg
 Lane 5: BSA, 4 µg
 Lane 6: BSA, 2 µg
 Lane 7: BSA, 1 µg

Figure 2: Western Blot with Polyclonal Anti-H5 HA



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-50133, 1.0 µg
 Lane 3: BSA, 1.0 µg

Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard
 Lane 2: NR-50133, 1.0 µg
 Lane 3: BSA, 1.0 µg