

H5 Hemagglutinin (HA) Protein from Influenza Virus, A/duck/Laos/3295/2006 (H5N1), Recombinant from Baculovirus

Catalog No. NR-13509

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Product Description: H5 hemagglutinin (HA) protein from influenza virus A/duck/Laos/3295/2006 (H5N1) is a full-length glycosylated recombinant protein that was produced in Sf9 insect cells using a baculovirus expression vector system. Recombinant H5 HA protein was purified using conventional chromatographic methods.

Lot: 58610769

Manufacturing Date: MAR2009

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue Densitometer Scan)	Report results	HA bands (HA0, HA1 and HA2) account for > 90% of total density
Protein Concentration by Bicinchoninic Acid Assay	Report results	1.1 mg per mL (MAR2009) prior to lyophilization
Functional Activity		
Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:512
Hemagglutination inhibition (HI) assay ¹ using polyclonal antiserum to 16 HA subtypes ¹	Specific to H5 HA subtype	Specific to H5 HA subtype
HI titers ¹ using polyclonal antiserum to H5 HA subtype A/Vietnam/1203/2004 (H5N1) goat antiserum ²	Report results	1:40
A/Vietnam/1203/2004 (H5N1) and A/Hong Kong/213/2003 (H5N1) goat antiserum ³	Report results	1:80
HI titers ¹ using monoclonal antibody to H5 HA subtype A/Vietnam/1203/2004 (H5N1) antibody (VN04-9) ⁴	Report results	< 1:100
A/Vietnam/1203/2004 (H5N1) antibody (VN04-10) ⁵	Report results	1:1600
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Serum samples were incubated overnight with receptor-destroying enzyme and heated for 30 minutes at 56°C.

²BEI Resources NR-2705

³BEI Resources NR-2706

⁴BEI Resources NR-2734

⁵BEI Resources NR-2737

Date: 16 APR 2014

Signature:



Title: Technical Manager, BEI Authentication or designee

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