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SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-2729

Monoclonal Anti-Influenza Virus H5 Hemagglutinin (HA) Protein (VN04-2), A/Vietnam/1203/2004 (H5N1), (ascites, Mouse)

Catalog No. NR-2729

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

Product Description:

Mouse monoclonal antibody specific to a recombinant form of the H5 hemagglutinin (HA) protein (GenPept: AAT73274) of the A/Vietnam/1203/2004 (H5N1) strain of influenza virus was produced in mouse ascites. Sodium azide (0.02%) and gentamycin (0.01%) were added to the pooled ascites fluid prior to vialing and lyophilization.

Lot: 7497745 **Manufacturing Date: 22MAR2006**

TEST	SPECIFICATIONS	RESULTS
Protein Concentration by Spectrophotometer at OD_{280}[1]	Report results	0.18 units/mL
Functional Activity Hemagglutination inhibition (HI) titer with A/Vietnam/1203/2004[1-3]	Report results	1:6400
HI assay with reference antigens representing 14 other HA subtypes[3,4]	Specific to H5 HA subtype	Specific to H5 HA subtype
HI titers with H5 HA influenza viruses[1-3]	Report results A/HongKong/213/2003 A/HongKong/156/1997 A/Vietnam/HN30408/2005 A/chicken/Malang/BBVET/IV/2004 A/chicken/Indonesia/PA03/2003 A/Indonesia/06/2005 A/duck/Singapore/3/1997 A/chicken/Jogjakarta/BBVET/IX/2004 A/Indonesia/05/2005	 1:25600 1:12800 1:1600 1:1600 1:800 1:800 1:800 1:100 <1:100
Sterility	Report results	Low bioburden
Mycoplasma Contamination Agar and broth culture	None detected	None detected

[1]Pre-vialing result using pooled, bulk material.
[2]Similar results were obtained post-vialing with A/Vietnam/1203/2004 and a subset of the other listed H5 HA viruses.
[3]HI assays were performed in microtiter plates with 0.5% chicken red blood cells.
[4]Post-vialing result.

Date: 11 SEP 2014 **Signature:** Michael Q. Gypsler

Title: Technical Manager, BEI Authentication or designee

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