

Certificate of Analysis for NR-13444

Monoclonal Anti-Influenza Virus H5 Hemagglutinin (HA), A/Vietnam/1203/2004 (H5N1), Clone 464E11 (produced *in vitro*)

Catalog No. NR-13444

Product Description: Antibody Class: IgG2aκ

Mouse monoclonal antibody prepared against the H5 hemagglutinin (HA) of influenza virus A/Vietnam/1203/2004 (H5N1) was purified from clone 464E11 hybridoma supernatant by protein G affinity chromatography.

Lot: 58737278

Manufacturing Date: 07JAN2010

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2aκ
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 99.5% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	2.2 mg/mL
Functional Activity H5 HA ELISA ¹ Hemagglutination inhibition assay ^{2,3} Indirect immunofluorescence assay ^{2,4} Virus microneutralization assay ^{2,5} Western blot assay ^{2,6}	Report results Report results Report results Report results Report results	Reactive Reactive Fluorescence observed Neutralizing Reactive
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

¹Using 2.2 μg/mL of NR-13444 and Monovalent Influenza Subviroin Vaccine, rg/A/Vietnam/1203/2004 (BEI Resources NR-4143)

²Test performed by contributor

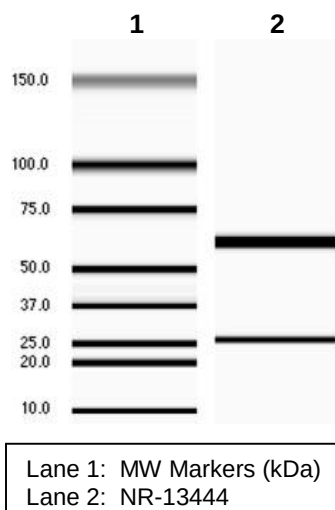
³Using 1 mg/mL of NR-13444 and influenza virus A/Vietnam/1203/2004 (H5N1)

⁴Using 10 μg/mL of NR-13444 and MDCK cells expressing HA from influenza virus A/Vietnam/1203/2004 (H5N1)

⁵Using 1 mg/mL of NR-13444 and influenza virus A/Vietnam/1203/2004 (H5N1)

⁶Using 10 μg/mL of NR-13444 and a lysate of MDCK cells expressing HA from influenza virus A/Vietnam/1203/2004 (H5N1)

Figure 1 – Experion Pro260 Analysis



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Date: 30 NOV 2011

Signature:

Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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