

Certificate of Analysis for NR-13448

Monoclonal Anti-Influenza Virus H5 Hemagglutinin (HA), A/Vietnam/1203/2004 (H5N1), Clone 6B4 (produced *in vitro*)

Catalog No. NR-13448

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 6B4 hybridoma supernatant by protein G affinity chromatography.

Lot: 58737286

Manufacturing Date: 23MAR2010

| 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) 99.2% pure |
| Concentration by Spectrophotometer at OD ₂₈₀ | Report results | 0.8 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 0.8 μg/mL of NR-13448 and Monovalent Influenza Subvirion Vaccine, rg/A/Vietnam/1203/2004 (BEI Resources NR-4143)

²Test performed by contributor

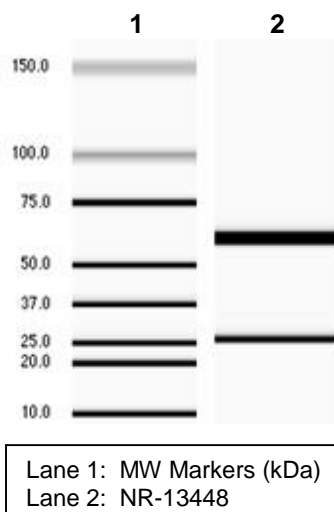
³Using 1 mg/mL of NR-13448 and influenza virus A/Vietnam/1203/2004 (H5N1)

⁴Using 10 μg/mL of NR-13448 and MDCK cells expressing HA from influenza virus A/Vietnam/1203/2004 (H5N1)

⁵Using 1 mg/mL of NR-13448 and influenza virus A/Vietnam/1203/2004 (H5N1)

⁶Using 10 μg/mL of NR-13448 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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