

Monoclonal Anti-Influenza A Virus Nucleoprotein (NP), A/California/04/2009 (H1N1)pdm09, Clone 2F4 (produced *in vitro*)

Catalog No. NR-19868

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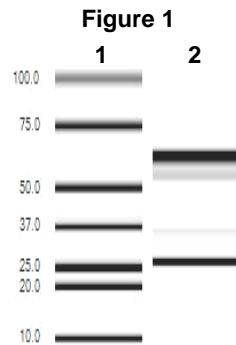
Product Description: Mouse monoclonal antibody prepared against the nucleoprotein (NP) of the A/California/04/2009 (H1N1)pdm09 strain of influenza A virus was purified from clone 2F4 hybridoma supernatant by protein G affinity chromatography.

Lot: 62691019

Manufacturing Date: 01JUL2014

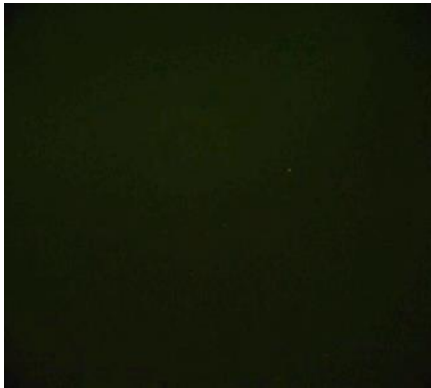
TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1k	IgG1k
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 86.9% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.2 mg per mL
Functional Activity Indirect Immunofluorescence Assay with A/California/04/2009 (H1N1)pdm09-infected MDCK cells ¹	Fluorescence observed	Fluorescence observed (Figure 2)
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹MDCK cells (ATCC® CCL-34™) were infected with influenza virus A/California/04/2009 (H1N1)pdm09 (BEI Resources NR-13658) at an MOI of 0.1 and stained 2 days later with NR-19868 at a dilution of 1:300, followed by FITC-conjugated goat anti-mouse IgG F(ab')₂ fragment (Millipore 5008).

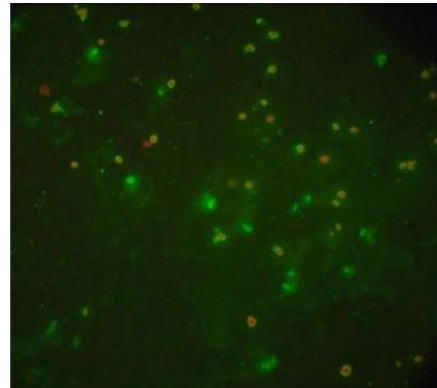


Lane 1: MW Markers (kDa)
Lane 2: NR-19868

Figure 2



A. Mock-infected



B. A/California/04/2009 (H1N1)pdm09-infected

Date: 17 OCT 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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