

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

Catalog No. NR-19868

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

Product Description:

Antibody Class: IgG1k

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. NR-19868 lot 70027831 was produced from NRC-19868 lot 59476536 adapted to serum-free media.

Lot: 70027831

Manufacturing Date: 13NOV2019

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1k	IgG1k
Agilent® Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains; Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 93.4% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg per mL	1.2 mg per mL
Functional Activity by Indirect Fluorescent Antibody Assay 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 with NR-19868 at a dilution of 1:100, followed by FITC-conjugated goat anti-mouse IgG F(ab')₂ fragment (Millipore® 5008).

Figure 1: Agilent® Protein 230 Analysis

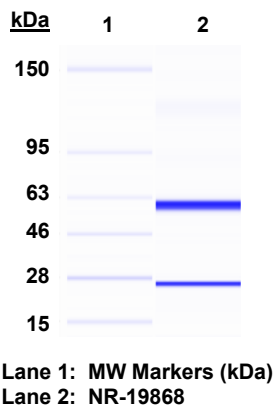
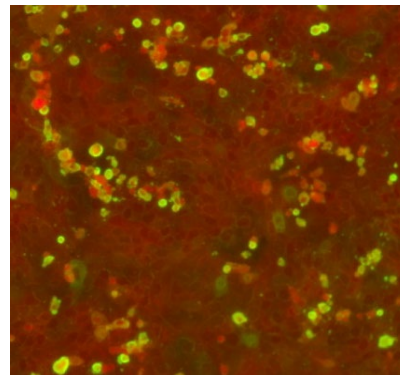


Figure 2: Indirect Fluorescent Antibody Assay



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Program Manager or designee, ATCC Federal Solutions

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