

# Certificate of Analysis for NR-31695

**Monoclonal Anti-Influenza A Virus Polymerase Basic Subunit 2 (PB2), Clone F5-116 (produced *in vitro*)**

**Catalog No. NR-31695**

**Product Description:** Antibody Class: IgG1k

Mouse monoclonal antibody prepared against the polymerase basic subunit 2 (PB2) of influenza A virus was purified from clone F5-116 hybridoma supernatant by protein G affinity chromatography.

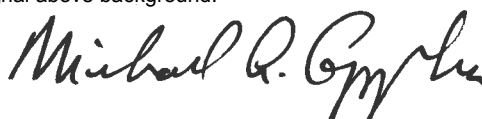
**Lot: 60812402**

**Manufacturing Date: 03MAY2012**

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1k
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains 99.8% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	1.45 mg/mL
Functional Activity by ELISA <sup>1</sup> Binding to: Polymerase Complex PB2 subunit	Report results Report results	31250 156250
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>Test performed by T. Takimoto, contributor, as described in MacDonald, L. A., et al. "Molecular Interactions and Trafficking of Influenza A Virus Polymerase Proteins Analyzed by Specific Monoclonal Antibodies." *Virology* 426 (2012): 51-59. PubMed: 22325937. Purified viral antigens used were recombinant baculovirus-expressed proteins from influenza virus A/chicken/Nanchang/3-120/2001 (H3N2). Result reported is the endpoint titer, i.e. – the highest dilution of the purified antibody that gave a signal above background.

**Date:** 25 APR 2013

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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