

# Certificate of Analysis for NR-9550

## Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E42 (produced *in vitro*)

**Catalog No. NR-9550**

**Product Description:** Antibody Class: IgG1 $\kappa$

Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 1 (DEN-1) was purified from clone E42 hybridoma supernatant by protein G affinity chromatography. The clone E42 antibody is reported to bind to domain III in the envelope glycoprotein.

**Lot: 58540067**

**Manufacturing Date: 14MAY2009**

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1 $\kappa$
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains 98.1 % pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	1.1 mg/mL
Functional Activity Indirect fluorescent antibody assay <sup>1</sup> ELISA <sup>2</sup>	Report results Report results	Fluorescence observed Reactive
Sterility	0.22 $\mu$ m filter-sterilized	0.22 $\mu$ m filter-sterilized

<sup>1</sup>Using BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC<sup>®</sup> CCL-81<sup>™</sup>) and 1:100 and 1:300 dilutions of NR-9550

<sup>2</sup>Using a 1:50 dilution of cell lysate from BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC<sup>®</sup> CCL-81<sup>™</sup>) and a 1:100 dilution of NR-9550

**Date:** 10 NOV 2010

**Signature:** 

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

ATCC<sup>®</sup>, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC<sup>®</sup>'s knowledge.

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