

**Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E47 (produced *in vitro*)**

**Catalog No. NR-4756**

**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 E47 hybridoma supernatant by protein G affinity chromatography. The clone E47 antibody is reported to bind to domain I-II in the envelope glycoprotein.

**Lot: 58223686**

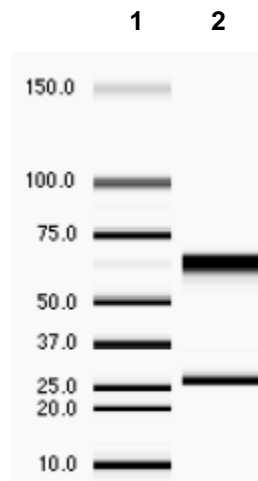
**Manufacturing Date: 22SEP2008**

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 (Figure 1) 98.3 % pure
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™) and 1:100 and 1:300 dilutions of NR-4756

<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™) and a 1:100 dilution of NR-4756

**Figure 1**



Lane 1: MW Markers (kDa)  
Lane 2: NR-4756

## Certificate of Analysis for NR-4756

**Date:** 30 NOV 2010

**Signature:** 

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

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