

# Certificate of Analysis for NR-15535

## Monoclonal Anti-Dengue Virus Type 4 Envelope Protein, Clone E100 (produced *in vitro*)

Catalog No. NR-15535

**Product Description:** Antibody Class: IgG2bk<sup>1</sup>

Mouse monoclonal antibody prepared against the envelope protein of dengue virus type 4 (DEN-4) was purified from clone E100 hybridoma supernatant by protein G affinity chromatography.

Lot: 62125367

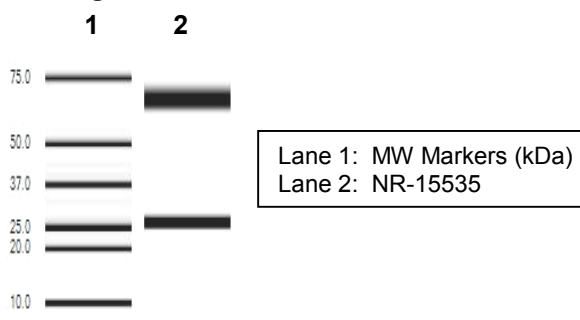
Manufacturing Date: 08JAN2014

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2bk <sup>1</sup>
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 99.8% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	1.1 mg per mL
Functional Activity by Indirect Fluorescent Antibody Assay <sup>2</sup>	Report results	Fluorescence observed
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>The isotype of the clone E100 antibody has been reported as IgG2c by the contributor but determined to be IgG2b by BEI Resources. NR-15535 did not react with goat anti-mouse IgG2c antibody.

<sup>2</sup>Using DEN-4, strain D85-019 (BEI Resources NR-3804)-infected C6/36 cells (ATCC<sup>®</sup> CRL-1660™) and 1:100 and 1:300 dilutions of NR-15535

Figure 1



Date: 06 OCT 2014

Signature:

*Michael R. Grynke*

Title:

Technical Manager, BEI Authentication or designee

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