

# Monoclonal Anti-West Nile Virus Envelope Protein, Clone E34 (produced *in vitro*)

Catalog No. NR-10137

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

Mouse monoclonal antibody prepared against the envelope glycoprotein of West Nile virus (WNV) was purified from clone E34 hybridoma supernatant by protein G affinity chromatography. The clone E34 monoclonal antibody is reported to bind to the lateral ridge of domain III in the envelope glycoprotein.

Lot: 58607086

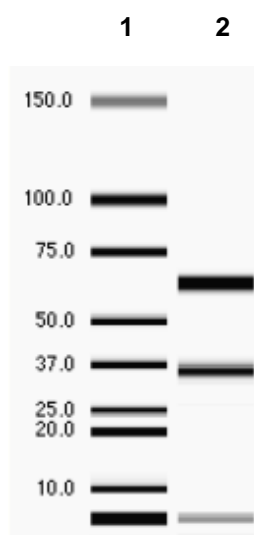
Manufacturing Date: 17SEP2009

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 (see Figure 1) 98.8 % pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	0.65 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-676 [WNV, Eg101 (Egypt 1951)]-infected Vero cells (ATCC<sup>®</sup> CCL-81<sup>™</sup>) and 1:100 and 1:300 dilutions of NR-10137

<sup>2</sup>Using a 1:50 dilution of cell lysate from BEI Resources NR-676 infected Vero cells (ATCC<sup>®</sup> CCL-81<sup>™</sup>) and a 1:670 dilution of NR-10137

Figure 1



Lane 1: MW Markers (kDa)  
Lane 2: NR-10137

**Date:** 03 NOV 2010**Signature:** *Dorothy C. Young***Title:** Technical Manager, BEI Authentication or designee

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