

**Monoclonal Anti-West Nile Virus Envelope Protein, Clone E18 (produced *in vitro*)**

**Catalog No. NR-10135**

**Product Description:** Antibody Class: IgG2 $\alpha$ k

Mouse monoclonal antibody prepared against the envelope glycoprotein of West Nile virus (WNV) was purified from clone E18 hybridoma supernatant by protein G affinity chromatography. The clone E18 antibody is reported to bind to the fusion loop of domain II in the envelope glycoprotein.

**Lot: 58540068**

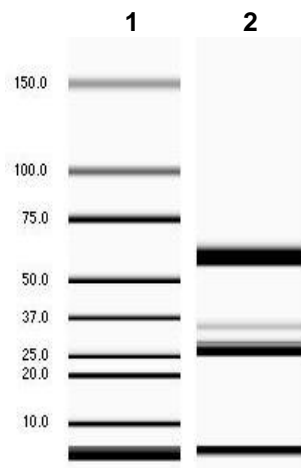
**Manufacturing Date: 20APR2009**

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2 $\alpha$ k
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 86.8 % pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	2.7 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™) and 1:100 and 1:300 dilutions of NR-10135

<sup>2</sup>Using a 1:50 dilution of cell lysate from BEI Resources NR-676 infected Vero cells (ATCC<sup>®</sup> CCL-81™) and a 1:670 dilution of NR-10135

**Figure 1**



Lane 1: MW Markers (kDa)  
Lane 2: NR-10135

## Certificate of Analysis for NR-10135

**Date:** 02 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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