

Monoclonal Anti-West Nile Virus Envelope Protein, Clone E101 (produced *in vitro*)

Catalog No. NR-10140

Product Description: Antibody Class: IgG2aκ

Mouse monoclonal antibody prepared against the envelope glycoprotein of West Nile virus (WNV) was purified from clone E101 hybridoma supernatant by protein G affinity chromatography. The clone E101 monoclonal antibody is reported to bind to the lateral ridge of domain I in the envelope glycoprotein.

Lot: 58607088

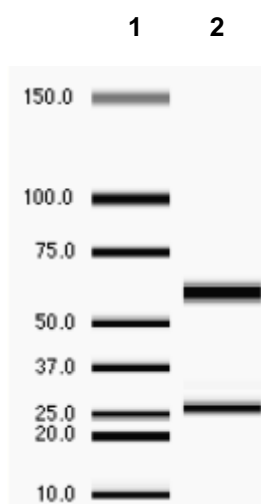
Manufacturing Date: 17SEP2009

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2aκ
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (see Figure 1) 97.8 % pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	0.75 mg/mL
Functional Activity Indirect fluorescent antibody assay ¹ ELISA ²	Report results Report results	Fluorescence observed Reactive
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

¹Using BEI Resources NR-676 [WNV, Eg101 (Egypt 1951)]-infected Vero cells (ATCC[®] CCL-81™) and 1:100 and 1:300 dilutions of NR-10140

²Using a 1:50 dilution of cell lysate from BEI Resources NR-676 infected Vero cells (ATCC[®] CCL-81™) and a 1:65 dilution of NR-10140

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-10140

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

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