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

**Catalog No. NR-10135**

**Product Description:** Antibody Class: IgG2ακ
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

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| 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_{280} | Report results                                      | 2.7 mg/mL                                    |
| Functional Activity                | Indirect fluorescent antibody assay¹  
ELISA²                                           | Fluorescence observed  
Report results                       | 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-10135  
²Using a 1:50 dilution of cell lysate from BEI Resources NR-676 infected Vero cells (ATCC® CCL-81™) and a 1:670 dilution of NR-10135

![Figure 1](image-url)

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