Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E12 (produced in vitro)

Catalog No. NR-4743

Product Description: Antibody Class: IgG1κ
Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 1 (DEN-1) was purified from clone E12 hybridoma supernatant by protein G affinity chromatography. The clone E12 antibody is reported to bind to domain III in the envelope glycoprotein.

Lot: 58007012  Manufacturing Date: 19MAR2008

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATIONS</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody Class Determination</td>
<td>Report results</td>
<td>IgG1κ</td>
</tr>
<tr>
<td>Identity by SDS-PAGE (Coomassie Blue)</td>
<td>Correct molecular weight for heavy and light chains</td>
<td>Correct molecular weight for heavy and light chains</td>
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<tr>
<td>Concentration by Modified Lowry Assay¹</td>
<td>Report results</td>
<td>0.95 mg/mL</td>
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<tr>
<td>Functional Activity</td>
<td></td>
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<tr>
<td>Indirect fluorescent antibody assay²</td>
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<td>ELISA³</td>
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<tr>
<td>Sterility</td>
<td>0.22 μm filter-sterilized</td>
<td>0.22 μm filter-sterilized</td>
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</tbody>
</table>

¹BioRad DC Protein Assay (500-0116)
²Using BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC® CCL-81™) and a 1:100 dilution of NR-4743
³Using a 1:50 dilution of cell lysate from BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC® CCL-81™) and a 1:40 dilution of NR-4743

Date: 04 NOV 2010  Signature: Dorothy C. Young
Title: Technical Manager, BEI Authentication or designee

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