

Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E19 (produced *in vitro*)

Catalog No. NR-4747

Product Description: Antibody Class: IgG1κ

Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 1 (DEN-1) was purified from clone E19 hybridoma supernatant by protein G affinity chromatography. The clone E19 antibody is reported to bind to domain I-II in the envelope glycoprotein.

Lot: 58007016

Manufacturing Date: 16JAN2008

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1κ
Identity by SDS-PAGE (Coomassie Blue)	Correct molecular weight (MW) for heavy and light chains	Correct MW for heavy and light chains (Figure 1)
Concentration by Modified Lowry Assay¹	Report results	0.85 mg/mL
Functional Activity Indirect fluorescent antibody assay ² ELISA ³	Report results Report results	Fluorescence observed Reactive
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

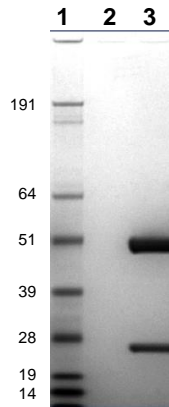
¹BioRad DC Protein Assay (500-0116)

²Using BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC[®] CCL-81™) and a 1:100 dilution of NR-4747

³Using a 1:50 dilution of cell lysate from BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC[®] CCL-81™) and a 1:200 dilution of NR-4747

Figure 1: SDS-PAGE of NR-4747.

Lane 1: SeeBlue[®] Pre-stained Standard (Invitrogen)
Lane 2: Empty
Lane 3: 6.5 μg of NR-4747



Date: 04 NOV 2010

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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