

Certificate of Analysis for NR-4746

Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E18 (produced *in vitro*)

Catalog No. NR-4746

Product Description: Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 1 (DEN-1) was purified from clone E18 hybridoma supernatant by protein G affinity chromatography. The clone E18 antibody is reported to bind to domain I-II in the envelope glycoprotein.

Lot: 58007015

Manufacturing Date: 14DEC2007

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2ak
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 Assay ¹	Report results	1.0 mg/mL
Functional Activity Indirect fluorescent antibody assay ² ELISA ³	Report results Report results	No fluorescence observed Reactive
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹BioRad DC Protein Assay (500-0116)

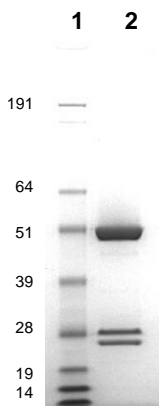
²Using BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC® CCL-81™) and 1:100 diluted NR-4746

³Using a 1:50 dilution of cell lysate from BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC® CCL-81™) and a 1:50 dilution of NR-4746

Figure 1: SDS-PAGE of NR-4746.

Lane 1: SeeBlue® Pre-stained Standard (Invitrogen)

Lane 2: 6.5 µg of NR-4746



Date: 04 NOV 2010

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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