

Certificate of Analysis for NR-4749

Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E24 (produced *in vitro*)

Catalog No. NR-4749

Product Description: Antibody Class: IgG1 κ

Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 1 (DEN-1) was purified from clone E24 hybridoma supernatant by protein G affinity chromatography. The clone E24 antibody is reported to bind to domain III in the envelope glycoprotein.

Lot: 58078279

Manufacturing Date: 09APR2008

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1 κ
Identity by SDS-PAGE (Coomassie Blue)	Correct molecular weight for heavy and light chains	Correct molecular weight for heavy and light chains
Concentration by Modified Lowry Assay ¹	Report results	1 mg/mL
Functional Activity Indirect fluorescent antibody assay ²	Report results	Fluorescence observed (some non-specific binding to uninfected cells also noted)
ELISA ³	Report results	Reactive
Sterility	0.22 μ m filter-sterilized	0.22 μ m filter-sterilized

¹BioRad DC Protein Assay (500-0116)

²Using BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC[®] CCL-81[™]) and a 1:300 dilution of NR-4749

³Using a 1:50 dilution of cell lysate from BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC[®] CCL-81[™]) and a 1:120 dilution of NR-4749

Date: 04 NOV 2010

Signature: 

Title: Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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