

Monoclonal Anti-Dengue Virus Type 1 Envelope Protein, Clone E33 (produced *in vitro*)

Catalog No. NR-4755

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 E33 hybridoma supernatant by protein G affinity chromatography. The clone E33 antibody is reported to bind to domain I-II in the envelope glycoprotein.

Lot: 58540064

Manufacturing Date: 17APR2009

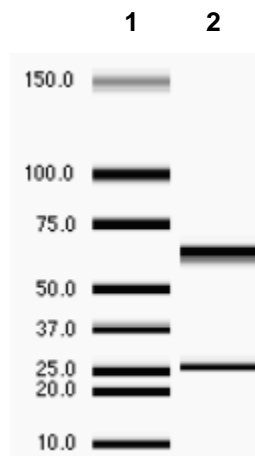
TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1 κ ¹
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 100 % pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.2 mg/mL
Functional Activity Indirect fluorescent antibody assay ² ELISA ³	Report results Report results	No fluorescence observed Reactive
Sterility	0.22 μ m filter-sterilized	0.22 μ m filter-sterilized

¹Using Roche IsoStrip Mouse Monoclonal Antibody Isotyping Kit (Cat. # 11493027001); a trace amount of IgG2b was also noted.

²Using BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC[®] CCL-81[™]) and 1:100 and 1:300 dilutions of NR-4755

³Using a 1:50 dilution of cell lysate from BEI Resources NR-82 (DEN-1, Hawaii)-infected Vero cells (ATCC[®] CCL-81[™]) and a 1:100 dilution of NR-4755

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-4755

Certificate of Analysis for NR-4755

Date: 09 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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

