

Certificate of Analysis for NR-15537

Monoclonal Anti-Dengue Virus Type 4 Envelope Protein, Clone E2 (produced *in vitro*)

Catalog No. NR-15537

Product Description: Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against the envelope glycoprotein of dengue virus type 4 (DEN-4) was purified from clone E2 hybridoma supernatant by protein G affinity chromatography.

Lot: 70008709

Manufacturing Date: 10NOV2017

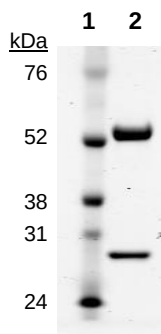
TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2ak
SDS PAGE Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 100% pure ¹
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.0 mg/mL
Functional Activity Indirect fluorescent antibody assay ² ELISA ³	Report results Report results	Fluorescence observed Non-reactive
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Purity was assessed by densitometry using LI-COR Odyssey® imaging system.

²Using DEN-4, D85-019 (BEI Resources NR-3804 lot 58613988)-infected Vero cells (ATCC® CCL-81™) and a 1:100 dilution of NR-15537

³Using DEN-4, D85-019 (BEI Resources NR-3804 lot 58613988) and goat anti-mouse IgG biotin conjugated (Rockland™ 610-1602)

Figure 1: SDS-PAGE Analysis



Lane 1: Amersham™ ECL™ Rainbow™ Marker

Lane 2: 3 µg of NR-15537

Heather Couch

Digitally signed by Heather Couch
Date: 2018.06.15 08:17:28 -04'00'

15 JUN 2018

Program Manager or designee, ATCC Federal Solutions

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