

Monoclonal Anti-Langat Virus Nonstructural Protein 1 (NS1), Clone 5D9 (produced *in vitro*)

Catalog No. NR-40304

This reagent is the property of the U.S. Government.

Product Description: Mouse monoclonal antibody prepared against the Langat virus (LGTV) nonstructural protein 1 was purified from clone 5D9 hybridoma supernatant by protein G affinity chromatography.

Lot: 61334898

Manufacturing Date: 02JAN2013

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG2ak	IgG2ak
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains 99.1% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	0.9 mg per mL
Functional Activity ¹ Indirect immunofluorescence assay (IFA) ² Western blot ³	Report results Report results	Fluorescence observed Reactive
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Testing was performed at Rocky Mountain Laboratories, NIAID, NIH. Methods used were essentially as described in Best, S. M., et al., "Inhibition of Interferon-Stimulated JAK-STAT Signaling by a Tick-Borne Flavivirus and Identification of NS5 as an Interferon Antagonist." *J. Virol.* 79 (2005): 12828-12839. PubMed: 16188985.

²Vero cells were infected with LGTV strain TP21 at an MOI of 3 and stained 48 hours later with a 1:1000 dilution of NR-40304 followed by AlexaFluor-conjugated secondary antibody.

³Vero cells were infected with LGTV strain TP21 at an MOI of 3 and cell lysates were prepared 48 hours later. Blots were probed with a 1:1000 dilution of NR-40304 followed by horseradish peroxidase-conjugated secondary antibody.

Date: 20 DEC 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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