

**Monoclonal Anti-Langat Virus Envelope Glycoprotein (E), Clone 9F12 (produced *in vitro*)**

**Catalog No. NR-40315**

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

**Product Description:** Mouse monoclonal antibody prepared against the Langat virus (LGTV) envelope glycoprotein was purified from clone 9F12 hybridoma supernatant by protein G affinity chromatography.

**Lot: 61444345**

**Manufacturing Date: 21FEB2013**

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 92.0% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	1.3 mg per mL
Functional Activity <sup>1</sup> Indirect immunofluorescence assay (IFA) <sup>2</sup> Western blot <sup>3</sup>	Report results Report results	Fluorescence observed Reactive
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>Testing 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.

<sup>2</sup>Vero cells were infected with LGTV strain TP21 at an MOI of 3 and stained 48 hours later with a 1:1000 dilution of NR-40315 followed by AlexaFluor-conjugated secondary antibody.

<sup>3</sup>Vero 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-40315 followed by horseradish peroxidase-conjugated secondary antibody.

**Date:** 23 DEC 2013

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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