

Monoclonal Anti-Langat Virus, Clone 15E12 (produced *in vitro*)

Catalog No. NR-40313

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

Product Description: Mouse monoclonal antibody prepared against Langkat virus (LGTV) was purified from clone 15E12 hybridoma supernatant by protein G affinity chromatography.

Lot: 61444346

Manufacturing Date: 28FEB2013

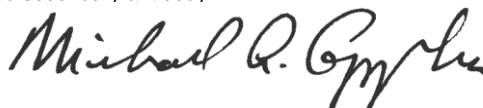
| TEST | SPECIFICATIONS | RESULTS |
|---|--|---|
| Antibody Class Determination | IgG1k | IgG1k |
| Experion Pro260 Analysis | Correct molecular weight (MW) for heavy and light chains Report results | Correct MW for heavy and light chains 96.3% pure |
| Concentration by Spectrophotometer at OD ₂₈₀ | Report results | 1.1 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-40313 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-40313 followed by horseradish peroxidase-conjugated secondary antibody.

Date: 20 DEC 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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