

**Monoclonal Anti-Rift Valley Fever Virus Gc Glycoprotein, Clone 5D2 (produced *in vitro*)**

**Catalog No. NR-43191**

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

**Product Description:** Mouse monoclonal antibody prepared against the Rift Valley fever virus (RVFV) Gc glycoprotein was purified from clone 5D2 hybridoma supernatant by protein G affinity chromatography.

**Lot: 61892545**

**Manufacturing Date: 27AUG2013**

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 98.7% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	1.1 mg per mL
Functional Activity <sup>1</sup> Indirect immunofluorescence assay (IFA) titer <sup>2</sup> Plaque reduction neutralization test (PRNT) titers PRNT <sub>50</sub> <sup>3</sup> PRNT <sub>80</sub> <sup>4</sup>	Report results  Report results Report results	512000  ≤ 20 ≤ 20
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>Testing performed at U.S. Army Medical Research Institute of Infectious Diseases

<sup>2</sup>The IFA titer is defined as the reciprocal of the lowest antibody dilution where glycoprotein staining was clearly visible above background in RVFV MP12-infected Vero E6 cells.

<sup>3</sup>The PRNT<sub>50</sub> is defined as the reciprocal of the antibody dilution required to reduce the number of RVFV ZH501 plaques in Vero E6 cells by 50% relative to the control wells.

<sup>4</sup>The PRNT<sub>80</sub> is defined as the reciprocal of the antibody dilution required to reduce the number of RVFV ZH501 plaques in Vero E6 cells by 80% relative to the control wells.

**Date:** 22 JAN 2015

**Signature:** 

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

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