

Monoclonal Anti-Rift Valley Fever Virus Gc Glycoprotein, Clone 5E2 (produced *in vitro*)

Catalog No. NR-43192

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 5E2 hybridoma supernatant by protein G affinity chromatography.

Lot: 61892546

Manufacturing Date: 27SEP2013

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 98.9% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.5 mg per mL
Functional Activity ¹ Indirect immunofluorescence assay (IFA) titer ² Plaque reduction neutralization test (PRNT) titers PRNT ₅₀ ³ PRNT ₈₀ ⁴	Report results Report results Report results	256000 160 ≤ 20
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Testing performed at U.S. Army Medical Research Institute of Infectious Diseases

²The 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.

³The PRNT₅₀ 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.

⁴The PRNT₈₀ 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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