

**Monoclonal Anti-Junin Virus, Clone IC06-BE10 (produced *in vitro*)**

**Catalog No. NR-43777**

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

**Product Description: Antibody Class: IgG1k**

Mouse monoclonal antibody reactive with the nucleoprotein of Junin virus<sup>1</sup> was affinity purified from hybridoma supernatant by protein G affinity chromatography.

**Lot: 63489002**

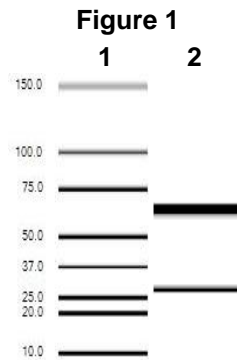
**Manufacturing Date: 22MAY2015**

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 (Figure 1) 100% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	1.02 mg per mL
Functional Activity Indirect Fluorescent Antibody Test Indirect ELISA <sup>2,3</sup>	Report results Report results	Reactive at dilutions up to 1:12800 Not reactive
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>Sanchez, A., et al. "Junin Virus Monoclonal Antibodies: Characterization and Cross-reactivity with Other Arenaviruses." *J. Gen. Virol.* 70 (1989): 1125–1132. PubMed: 2471803.

<sup>2</sup>Plates were coated with a 1:2000 dilution of Junin virus-infected cell lysate.

<sup>3</sup>Some monoclonal antibodies to the surface glycoprotein of Junin virus have shown reactivity by indirect ELISA while others have not. This is likely due to the conformation differences among the epitopes.



Lane 1: MW Markers (kDa)  
Lane 2: NR-43777

**Date:** 03 MAY 2017

**Signature:** *Michael R. Gynther*

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