

**Monoclonal Anti-Junin Virus, Clone LD05-BF09 (produced *in vitro*)**

**Catalog No. NR-48833**

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

**Product Description: IgG2ak**

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

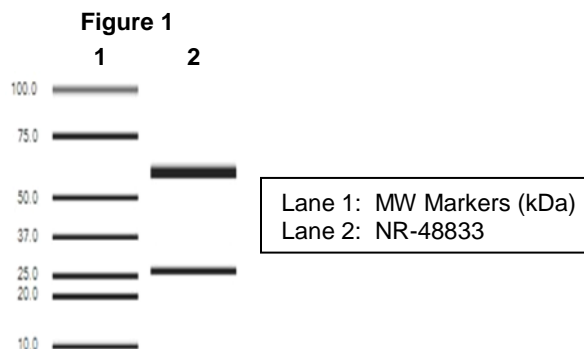
**Lot: 62833089**

**Manufacturing Date: 15SEP2014**

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 (Figure 1) 98.2% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	Report results	0.64 mg per mL
Functional Activity Indirect Fluorescent Antibody Test Indirect ELISA <sup>2</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 detergent-lysed Junin virus-infected cells. Note that it is not unexpected that anti-glycoprotein antibodies do not react with this antigen preparation.



**Date:** 15 JAN 2015

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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