

Certificate of Analysis for NR-48834

Monoclonal Anti-Junin Virus, Clone NA05-AG12 (produced *in vitro*)

Catalog No. NR-48834

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

Product Description:

Antibody Class: IgG1k

Mouse monoclonal antibody reportedly reactive with the nucleoprotein of Junin virus¹ was affinity purified from hybridoma supernatant by protein G affinity chromatography.

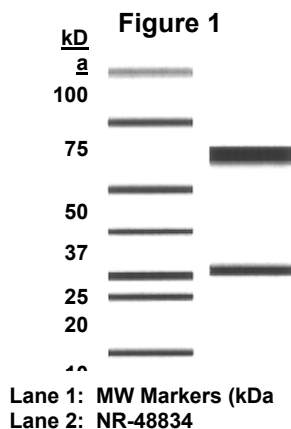
Lot²: 62833090

Manufacturing Date: 12SEP2014

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1k	IgG1k
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains; Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 94.8% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg per mL	1.2 mg per mL
Functional Activity Indirect Fluorescent Antibody Test Indirect ELISA ²	Report Results Report Results	Reactive at dilutions up to 1:3200 Weakly reactive
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

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

²Plates were coated with a 1:2000 dilution of detergent-lysed Junin virus-infected cells.



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Program Manager or designee, ATCC Federal Solutions

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