

**Monoclonal Anti-*Yersinia pestis* LcrV Protein (produced *in vitro*)**

**Catalog No. NR-3831**

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

**Product Description:** Monoclonal antibody specific to a recombinant form of the LcrV (low calcium response V or V-antigen) protein of *Yersinia pestis* (*Y. pestis*) was purified from a murine hybridoma supernatant by protein G sepharose affinity chromatography.

**Lot: 57606523**

**Manufacturing Date: 15JAN2007**

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear and colorless	Clear and colorless
<b>Antibody Class</b>	Report results	IgG1
<b>Concentration (Bicinchoninic Acid Protein Assay, Gamma Globulin Standard)</b>	Report results	1 mg/mL
<b>Functional Activity</b> ELISA titer using recombinant LcrV protein Western blot (see Figure 1) Recombinant LcrV protein Recombinant rV6, rV7 and rV8 protein Plague neutralization	Report results  Reactive Report results Report results	> 1:10000  Reactive Not reactive 60% protection <sup>1</sup>

<sup>1</sup>Plague neutralization assay measures protection from 10 median lethal doses of *Y. pestis* CO92 (subcutaneous injection) in Balb/c mice infected 60 minutes following passive transfer of 200 µg of NR-3831.

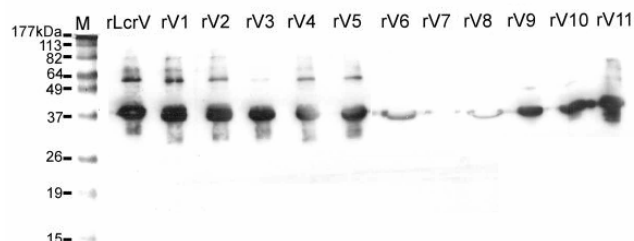


Figure 1. Lysates of bacteria expressing recombinant LcrV and 11 deletion analogs (rV1 through rV11) were electrophoresed, transferred to a PVDF membrane, and incubated with NR-3831 at a dilution of 1:10,000 for 1h. NR-3831 does not bind to rV6, rV7, or rV8 mutants which contain deletions in or within the vicinity of amino acids 196-225.

**Date:** 09 AUG 2007

**Signature:** Signature of File

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

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.