

**Monoclonal Anti-Vaccinia Virus (WR) B5R Protein, Residues 20 to 275 (Ectodomain), (similar to VMC-22), (produced *in vitro*)**

**Catalog No. NR-553**

**Product Description:** Antibody Class: IgG1

Mouse monoclonal antibody to a recombinant form of the B5R envelope glycoprotein [B5R(275t); residues 20 to 275 comprising the ectodomain, N-terminal histidine tagged]<sup>1</sup> of the Western Reserve (WR) strain of vaccinia virus was purified from a mouse B cell hybridoma using ammonium sulfate precipitation and size exclusion chromatography. The mouse B cell hybridoma was generated by the fusion of SP2/0 myeloma cells with immunized BALB/c splenocytes.

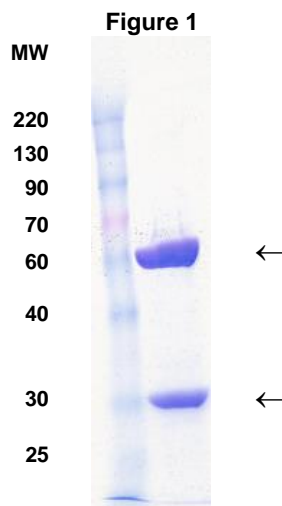
**Lot: 4345849**

**Manufacturing Date<sup>2</sup>: 22JUN2005**

| TEST   | SPECIFICATIONS                                      | RESULTS   |
|--|---|---|
| <b>SDS-PAGE (Coomassie Blue densitometer scan)</b>                               | Correct MW for heavy and light chains<br>> 90% pure | Correct MW for heavy and light chains (See Figure 1)<br>100% pure |
| <b>Concentration by Spectrophotometer at OD<sub>280</sub></b>                    | 1.0 mg/mL ± 7%                                      | 1.0 mg/mL   |
| <b>Bioburden Assay</b><br>Trypticase soy agar (3-day incubation at 35°C to 37°C) | 0 colony forming units/mL                           | 0 colony forming units/mL   |
| <b>Bovine IgG Concentration</b>  | < 1% of total protein                               | 0.04% of total protein  |

<sup>1</sup>Aldaz-Carroll, L., et al. "Epitope-Mapping Studies Define Two Major Neutralization Sites on the Vaccinia Virus Extracellular Enveloped Virus Glycoprotein B5R." *J. Virol.* 79 (2005): 6260–6271. PubMed: 15858010.

<sup>2</sup>Note: The manufacturing date indicated on the vial is incorrect.



**Date:** 14 MAR 2006

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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