Certificate of Analysis for NR-551

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

Catalog No. NR-551

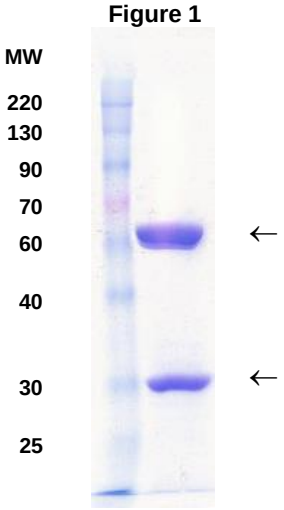
Product Description: Antibody Class: IgG1
Mouse monoclonal antibody to a recombinant form of the B5R envelope glycoprotein [B5R(275t); residues 20 to 275 comprising the ectodomain, N-terminal histidine tagged][1] of the Western Reserve (WR) strain of vaccinia virus was purified from a mouse B cell hybridoma 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: 4345847 **Manufacturing Date[2]: 22JUN2005**

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Correct MW for heavy and light chains > 90% pure	Correct MW for heavy and light chains (See Figure 1) > 99% pure
Concentration by Spectrophotometer at OD_{280}	1.0 mg/mL ± 7%	1.0 mg/mL
Bioburden Assay Trypticase soy agar (3-day incubation at 35°C to 37°C)	0 colony forming units/mL	0 colony forming units/mL
Bovine IgG Concentration	< 1% of total protein	0.006% of total protein

[1]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.
[2]Note: The manufacturing date indicated on the vial is incorrect.

Figure 1



Date: 14 MAR 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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