

Monoclonal Anti-Hantaan Virus Gc Glycoprotein, Clone 5B7 (produced *in vitro*)

Catalog No. NR-36158

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

Product Description: Mouse monoclonal antibody prepared against the Hantaan virus Gc (formerly G2) glycoprotein was purified from clone 5B7 hybridoma supernatant by protein G affinity chromatography.

Lot: 61101787

Manufacturing Date: 28AUG2012

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1k	IgG1k
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains 99.2% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	0.98 mg per mL
Functional Activity ¹ Indirect immunofluorescence assay (IFA) titer ² Plaque reduction neutralization test (PRNT ₅₀) titer ³	Report results Report results	512000 ≤ 20
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Testing performed at U.S. Army Medical Research Institute of Infectious Diseases

²The IFA titer is defined as the reciprocal of the lowest antibody dilution where glycoprotein staining was clearly visible above background in Hantaan virus 76-118-infected Vero E6 cells.

³The PRNT₅₀ is defined as the reciprocal of the antibody dilution required to reduce the number of Hantaan virus 76-118 plaques in Vero E6 cells by 50% relative to the control wells.

Date: 20 FEB 2014

Signature:



Title: Technical Manager, BEI Authentication or designee

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