

Monoclonal Anti-Crimean-Congo Hemorrhagic Fever Virus Nucleocapsid Protein, Clone 2B11 (produced *in vitro*)

Catalog No. NR-40257

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

Product Description: Mouse monoclonal antibody prepared against the Crimean-Congo hemorrhagic fever virus (CCHFV) nucleocapsid protein was affinity purified from clone 2B11 hybridoma supernatant using protein G magnetic beads.

Lot: 61506735

Manufacturing Date: 20MAR2013

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 99.1% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.0 mg per mL
Functional Activity ¹ Indirect immunofluorescence assay (IFA) titer ² Plaque reduction neutralization test (PRNT) titers PRNT ₅₀ ³ PRNT ₈₀ ⁴	Report results Report results Report results	64000 ≤ 40 ≤ 40
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 nucleocapsid staining was clearly visible above background in CCHFV IbAr10200-infected Vero E6 cells.

³The PRNT₅₀ is defined as the reciprocal of the antibody dilution required to reduce the number of CCHFV IbAr10200 plaques in Vero E6 cells by 50% relative to the control wells.

⁴The PRNT₈₀ is defined as the reciprocal of the antibody dilution required to reduce the number of CCHFV IbAr10200 plaques in Vero E6 cells by 80% relative to the control wells.

Date: 12 MAR 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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