

Monoclonal Anti-Venezuelan Equine Encephalitis Virus, TC-83 (Subtype IA) E2 Glycoprotein Antibody, Clone 3B4C-4

Catalog No. NR-51617

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

Product Description: Antibody Class: IgG1k

Mouse monoclonal antibody prepared against the E2 glycoprotein of Venezuelan equine encephalitis (VEE) virus, TC-83 (subtype IA) was purified from clone 3B4C-4 hybridoma supernatant by protein A affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/O-Ag14 myeloma cells with splenocytes from mice immunized with purified VEE virus, strain TC-83.

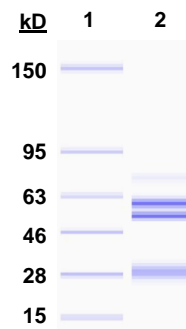
Lot: 70022773

Manufacturing Date: 2007

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1	IgG1k
Agilent® Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) ¹ 94.8% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	0.88 mg per mL

¹Purified antibodies sometimes display two heavy-chain bands due to asymmetry in glycosylation levels seen in the heavy chain of the antibody. For additional information, please refer to Grebenau, R. C., et al. "Microheterogeneity of a Purified IgG1 Due to Asymmetric Fab Glycosylation." *Mol. Immunol.* 29 (1992): 751-758. PubMed: 1603094.

Figure 1: Agilent® Protein 230 Analysis



Lane 1: Agilent® Protein 230 Ladder
Lane 2: NR-51617

/Heather Couch/
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26 APR 2019

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