

Monoclonal Anti-Chikungunya Virus E2 Envelope Glycoprotein, Clone CHK-48 (produced *in vitro*)

Catalog No. NR-44002

Product Description: Antibody Class: IgG2c λ

Mouse monoclonal antibody prepared against the E2 envelope glycoprotein of chikungunya virus (CHIKV) was purified from clone CHK-48 hybridoma supernatant by protein G affinity chromatography.

Lot: 70011141

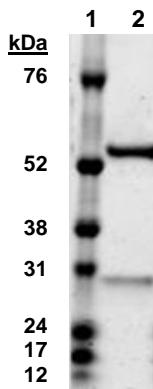
Manufacturing Date: 04JAN2018

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG2c λ	IgG2c λ
SDS-PAGE Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 100% pure ¹
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.2 mg per mL
Functional Activity by Indirect Fluorescent Antibody Assay ²	Report results	Fluorescence observed
Sterility	0.22 μ m filter-sterilized	0.22 μ m filter-sterilized

¹Purity was assessed by densitometry using LI-COR Odyssey[®] imaging system.

²Using *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC[®] CCL-81[™]) infected with CHIKV, H 20235-St. Martin-2013 (BEI Resources NR-49901) and a 1:100 dilution of NR-44002

Figure 1: SDS-PAGE Analysis



Lane 1: Amersham[™] ECL[™] Rainbow[™] Marker
Lane 2: 2 μ g of NR-44002

17 APR 2018

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

