

Bioassayplus Inc.

4510 Rhodes Dr. Windsor, Canada

Certificate of Analysis

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product name: Chikungunya E1

Catalog #: chik-E1

Description: Chikungunya is an infection caused by the chikungunya virus. The virus is passed to humans by two species of mosquito of the genus *Aedes*: *A. albopictus* and *A. aegypti*. Animal reservoirs of the virus include monkeys, birds, cattle, and rodents. The disease features the sudden onset of fever two to four days after exposure. The fever usually lasts two to seven days, while accompanying joint pains typically last weeks or months but sometimes years. The mortality rate is a little less than 1 in 1,000. Since 2004, the disease has occurred in outbreaks in Asia, Europe and the Americas.

No specific treatment is known, but supportive care is recommended, including rest, fluids, and medications to reduce fever and joint pain.

Protein structure: chikungunya E1 protein was expressed from *E. coli*, migrating at 48 kDa on 10% SDS-PAGE with isoelectric point 6.18 Major application of this protein is used to detect Chikungunya specific IgG/IgM by immunoassay.

Source: *E. coli*

Format: Purified, Liquid

Molecular weight: 48kDa

Purity: >95% pure (10% SDS-PAGE, Coomassie blue staining).

Concentration: 0.92mg/ml (lot 08/2018)

Buffer: PBS with 25mM K₂CO₃

Storage: store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.

Applications: immunoassay



Chikungunya E1,
48KDa