



Mouse Anti-CHIKV-Env 1 & 2 monoclonal antibody (CABT-L979)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	CHIKV E1 and E2
Target	CHIKV E1/E2
Immunogen	Recombinant Chikungunya Virus Envelope Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	No reactivity with Dengue, Zika, YFV, WNV, TBV, JEV
Purification	Purified. Purity>90%
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Size	1 mg
Buffer	0.015M Potassium Phosphate, pH 7.2 with 0.85% Sodium Chloride
Preservative	0.05% Sodium Azide
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing

BACKGROUND

Introduction

Chikungunya virus was first isolated from the blood of a febrile patient in Tanzania in 1953, and has since been cited as the cause of numerous human epidemics in many areas of Africa and Asia and most recently in limited areas of Europe. Chikungunya virus is a member of the genus Alphavirus, in the family Togaviridae. Chikungunya fever is diagnosed based on symptoms, physical findings (e.g., joint swelling), laboratory testing, and the possibility of exposure to infected mosquitoes. There is no specific treatment for Chikungunya fever; care is based on symptoms. PBMC isolated from a Chikungunya infected patient was cultured in the CD40 system supplemented with an EBV viral suspension. Immortalized antibody-secreting B clones were obtained and screened for their neutralizing activity against several Chikungunya virus strains. Seroneutralization of other viruses such as Ross River virus and ONyong Nyong virus was found.

Keywords

CHIKV;Chikungunya Virus
