



Magic™ Human Anti-ZIKV E Monoclonal antibody, clone ZV67 (CABT-ZS1013)

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

PRODUCT INFORMATION

Specificity	ZIKV E Protein
Target	ZIKV E Protein
Immunogen	Injection of a Mouse with ZIKV MR-766, ZIKV H/PF/2013, and ZIKV DIII
Isotype	IgG1, Kappa
Source/Host	Human
Species Reactivity	ZIKV
Clone	ZV67
Purification	Protein A affinity purified
Conjugate	unconjugated
Applications	Neut, WB
Format	Liquid
Size	200 µg
Buffer	PBS with 0.02% Proclin 300.
Preservative	0.02% Proclin 300
Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

BACKGROUND

Introduction

ZIKV is a mosquito-transmitted flavivirus that encodes a single polyprotein with an ~11 kb positive-sense RNA open reading frame 1. The polyprotein is cleaved into seven non-structural proteins and three structural proteins (capsid (C), pre-membrane (prM), and envelope (E)). C forms a nucleocapsid. prM complexes with E to facilitate folding and prevent premature fusion to host membranes. E is responsible for viral assembly, attachment, entry, and fusion 1,3 and is a major target of neutralizing antibody research 3. Mature ZIKV virions incorporate 180 copies each of the E and M proteins.

Keywords

ZIKV; Zika virus; ZIKV Envelope Protein; ZIKV E Protein; Zika virus Envelope Protein