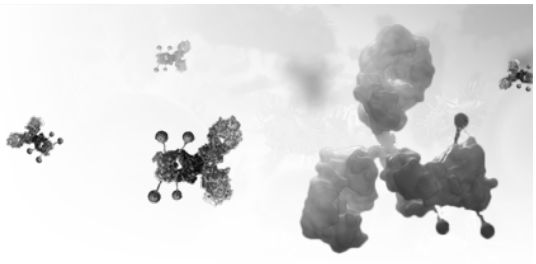

Magic™ Mouse Anti-ZIKV E Monoclonal antibody, clone ZV67 (CABT-ZS1012)

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	IgG2c
Source/Host	Mouse
Species Reactivity	ZIKV
Clone	ZV67
Purification	Protein A or G
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	1 mg
Buffer	0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Preservative	None
Storage	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and

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store at -80°C. Avoid Repeated Freeze Thaw Cycles.

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

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