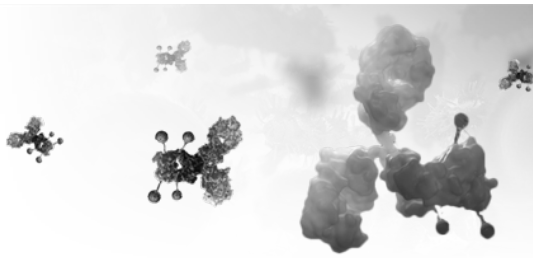

Mouse Anti-Zika Virus E-protein DIII (LR) monoclonal antibody, clone ZV67 (CABT-ZS5001)

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

PRODUCT INFORMATION

Specificity	ZV-67 binds to the Zika virus envelope protein at domain III (DIII, LR). No cross-reactivity with other tested flaviviruses has been reported.
Target	ZIKV
Immunogen	Infecting mice with 1000 FFU of ZIKV MR-766 followed by a booster at 30d post-infection of ZIKV H/PF/2013, respectively and given a final intravenous boost with live ZIKV DIII (amino acids 299 to 407 of the ZIKV E protein)
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Mouse
Clone	ZV67
Purification	Protein A purified
Conjugate	Unconjugated
Applications	Crystallization, NTRL, SPR, WB, FC, ELISA
Format	Purified, Liquid
Concentration	Lot specific
Size	1 mg

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Buffer	PBS
Preservative	None
Storage	Short term: store at 4°C. Long term: aliquot and store at -20°C. Avoid freeze-thaw cycles. Store undiluted.
Ship	Wet ice

BACKGROUND

Introduction	ZIKV is a mosquito-transmitted flavivirus that encodes a single polyprotein with an ~11 kb positive-sense RNA open reading frame. 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 and is a major target of neutralizing antibody research. Mature ZIKV virions incorporate 180 copies each of the E and M proteins.
Keywords	Zika virus; ZIKV; Flaviviridae; Flavivirus

GENE INFORMATION

Synonyms	Zika virus; ZIKV; Flaviviridae; Flavivirus

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221