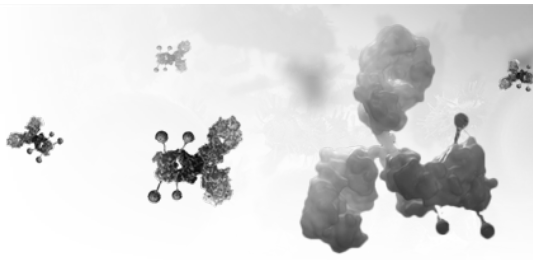

Anti-ZIKA Envelope protein monoclonal Antibody, clone ZKA75 (CABT-L1907)

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

PRODUCT INFORMATION

Target	ZIKV Envelope protein
Immunogen	Monoclonal antibody ZKA75 was selected from EBV-immortalized memory B cells derived from ZIKV-infected, DENV-naïve human donors based on its ability to bind Zika virus (ZIKV) E protein and to neutralize ZIKV infection.
Isotype	IgM, κ
Source/Host	Human
Species Reactivity	Zika Virus
Clone	ZKA75
Purification	Affinity Purified using a recombinant lectin column
Conjugate	Unconjugated
Applications	ELISA, FC, Neut
Format	Liquid
Concentration	Lot specific
Size	50 µg
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at

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

	-20°C

BACKGROUND

Introduction	Zika virus spreads to people primarily through the bite of an infected Aedes species mosquito, but it can also be sexually transmitted. Zika virus was first discovered in 1947 and is named after the Zika Forest in Uganda. In 1952, the first human cases of Zika were detected. Zika virus has become a highly researched disease due to increase in incidences from 2007 to 2016, when the virus spread eastward, across the Pacific Ocean to the Americas. In 2015–16 Zika virus epidemic reached pandemic levels. The Zika envelope (E) protein composes the majority of the virion surface and it is involved with replication, such as host cell binding and membrane fusion.
Keywords	Zika virus; ZIKV; Flaviviridae; Flavivirus

GENE INFORMATION

Gene Name	Zika virus
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