

Mouse Zika virus envelope Monoclonal Antibody

Zika virus envelope antibody; ZK envelope antibody

CATALOG # AAA224598	HOST Mouse	REACTIVITY No cross reactivity with recombinant Dengue and Chikungunya antigens.	APPLICATIONS Lateral Flow, ELISA
-------------------------------	----------------------	--	--

PRODUCT SYNONYMS

Zika virus envelope; Monoclonal Antibody; Zika virus envelope antibody; ZK envelope antibody; Zika ENV antibody; Zika virus E antibody; Zika envelope antibody; Zika antibody; Zika virus antigen; recombinant Zika antibody; recombinant Zika antigen; Zika virus envelope antigen; recombinant Zika envelope antibody; recombinant Zika envelope antigen; ZIKV antibody; ZIKV antigen; ZIKV envelope; anti-Zika virus envelope antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	No cross reactivity with recombinant Dengue and Chikungunya antigens.
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	M86645
Purity/Purification	> 90% pure Purified by DEAE column chromatography
Form/Format	Purified by DEAE column Chromatography, liquid in 15 mM Potassium Phosphate, 0.85% NaCl, pH7.2, with 0.05% Sodium azide.
Concentration	6.5mg/ml (varies by lot)
Applicable Applications for anti-Zika virus envelope antibody	LF (Lateral Flow), ELISA
Immunogen	Recombinant Zika envelope protein
Cross-Reactivity	No cross reactivity with recombinant Dengue and Chikungunya antigens
Biological Significance	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 and since then, outbreaks of Zika have been reported in tropical Africa, Southeast Asia, and the Pacific Islands. ZIKV has a single positive sense RNA genome, which is initially translated as a single polyprotein which is then cleaved post-translationally into three structural proteins (C, PrM or M, and E) and seven nonstructural (NS) proteins. The E (envelope) protein composes the majority of the virion surface and is involved with aspects of replication such as host cell binding and membrane fusion.
Implications in Disease	Zika causes a non life threatening virus, unless transmitted from a pregnant mother to her fetus where severe birth defects result. Symptoms of Zika are a fever, rash, conjunctivitis and headaches. There is no cure or treatment.
Post-Translational Modifications	NS1 is post translationally glycosylated allowing it to form homodimers and associate with lipids.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-Zika virus envelope antibody	Mouse monoclonal Zika virus envelope antibody
---	---

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/zika-virus-envelope-antibody-clone-m86645-lateral-flow-elisa/224598>