

# Bioassayplus Inc.

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## Product Specification Sheet

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Product name:** Rabbit antibody to Zika envelope antibody

**Catalog #:** Pab-zika-env

**Description:** Zika virus is a member of genus Flavivirus, it is transmitted by *Aedes* mosquitoes, the same *Aedes* mosquitoes are also the carrier and the transmitter of dengue virus. *Aedes* mosquitoes distribute in tropical and subtropical regions throughout the world. Till Jan 2016, there are over 1.6 million Zika virus infection case reports from South America, but it is estimated that there are over 5 million people with Zika virus infection in Brazil due to unknown infection, over five thousand new babies have been borne with microcephaly, in the infected adults, Zika disease may develop neurologic damage with the symptoms of Guillain–Barré syndrome.

Full length Zika virus envelope DNA was cloned into an expression vector containing a mammalian cell promoter, this recombinant vector was injected into rabbit for *in vivo* expression of Zika envelope inducing the production of the specific zika envelope antibody in rabbit. In ELISA assay, Zika virus can be detected by 1:4000 to 5000 high diluted rabbit antibody.

**Source:** Rabbit

**Immunogen:** Full length Zika envelope DNA

**Format:** Purified rabbit IgG

**Concentration:** 1.0mg/vial

**Buffer:** PBS with glycine

**Storage:** store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.

**Applications:** Immunoassay and vaccine study