**WHAT IS CLAIMED IS:**

~~1. A recombinant baculovirus having viral proteins of Pre-M and E of Japanese encephalitis virus (JEV) or Zika virus (ZIKV) expressed thereon.~~

~~2.~~1. A method of detecting an antibody against Japanese encephalitis virus (JEV) or Zika virus (ZIKV) in a biological sample comprising:

mixing the biological sample with a ~~the~~ recombinant baculovirus having a viral protein of JEV or ZIKV expressed thereon, wherein the viral protein is a combination of pre-M and E~~claim 1~~; and

detecting a complex formed between an antibody against the JEV or ZIKV in the biological sample and the recombinant baculovirus of claim 1 in an immunological assay.

~~3.~~2. The method of claim 1~~2~~, wherein the antibody is an IgM or IgG.

~~4.~~3. The method of claim 2~~3~~, wherein the immunological assay is an enzyme-linked immunosorbent assay (ELISA).

~~5.~~4. The method of claim 3~~4~~, wherein the biological sample is selected from the group consisting of a whole blood sample, a plasma sample, a serum sample, a urine sample, a mucus sample, and purified or filtered forms thereof.