**Anti-Flavivirus E Antibody, FE4.**

ANTIBODY

**Catalog #: 0227-PP-003**

**Related Products:**

IBT provides a wide array of antibodies, recombinant proteins, and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

**Applications**

**Formulation & Storage: Store at** +4°C for stable

**Intended for research use only, not for human, therapeutic, or diagnostic applications.***The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, LLC.*   
**Copyright 2023. Integrated BioTherapeutics, LLC. All rights reserved.**

[products@integratedbiotherapeutics.com](mailto:products@integratedbiotherapeutics.com)

**Description:**DENV, ZIKV, JEV and WNV E glycoprotein specific mouse monoclonal antibody. This monoclonal antibody reacts with a conformational epitope present in DENV1, 2, 3, 4, ZIKV, JEV and WNV.

**Notes & Usage Guidelines:  
Clonality/Isotype:** monoclonal / IgG1, Kappa.

**Host:** Mouse

**ELISA:**   
**WB:**

**Immunogen/ Target:**DENV E and prM eluted from SDS-PAGE gels.

A close-up of several blue circles

Description automatically generated

This monoclonal antibody has been primarily used for the capture/detection of DENV, ZIKV, JEV and WNV antigens in an antigen capture ELISA. This monoclonal antibody is not suitable for western blot. Detects DENV2 in immunofluorescence (weak detection of DENV3, ZIKV) and DENV3 and 4 foci in FRNT. Not tested against ZIKV, JEV or WNV for foci staining in FRNT. Can neutralize ZIKV and DENV4 in a standard VERO PRNT. Not tested against JEV and WNV by PRNT.

ELISA steps:

1. Capture monoclonal antibody (mAb)

2. Blocked with BSA

3. control C6/36 or ZIKV antigen

5. Biotinylated FE4 mAb;

6. Streptavidin-conjugate

7. Substrate

A collage of different colors

Description automatically generated

A graph of a number of cells

Description automatically generated

**Certificate of analysis:**

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at services@ibtbioservices.com