

Anti-Flavivirus group antigen Antibody

Catalog # ABV11841

Product Information

Application	WB, IF, E
Host	Recombinant
Clonality	Monoclonal
Isotype	Mouse Ig2a, kappa

Additional Information

Positive Control	ELISA: Dengue Virus Serotype 2 VLPs
Appearance	Colorless liquid
Formulation	200 µg affinity purified antibody in phosphate-buffered saline (PBS) containing 0.02% Proclin 300
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Flavivirus group antigen Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Background

This antibody binds to flavivirus group antigen, protein E. It can be used as an anti-Dengue virus antibody, anti-West Nile virus antibody, anti-Japanese Encephalitis or anti-Zika Virus antibody (Aubry et al. 2016) to identify cells infected with these flaviviridae. It binds to the fusion loop at the extremity of domain II of E protein from all four serotypes and prevents syncytia formation. The epitope is highly conserved amongst flaviviridae and has been functionally analyzed in detail by Crill and Chang 2004. Previous studies have used acetone- (Henchal et al. 1982) or methanol-fixed slides (Moreland & Tay, 2010). Please note that binding of this antibody has been reported to be sensitive to reduction and Western Blots should be performed under non-reducing conditions (Lai et al. 2008).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.