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Antibody to Dengue Virus Envelope Type 2
MOUSE MONOCLONAL

Catalog Number: AB-437
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: mouse
Isotype: IgG1
Clone: NYRDeng2
Immunogen: dengue-infected cell lysate

Background:

Dengue virus is caused by one of four closely related virus serotypes of the genus *Flavivirus*, family Flaviviridae. Each serotype is sufficiently different from the other such that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and in mice Morpholino antisense oligos have shown specific activity against dengue virus.

Specificity and Preparation:

The monoclonal antibody to dengue virus envelope type 2 was purified by ion exchange column. The protein concentration is 1 mg/ml in PBS (after reconstitution). There is minimal cross-reactivity with other dengue subtypes.

Usage and Storage:

Reported to be effective for intracellular staining of dengue-infected cells (1:1000 dilution). Material may be shipped at room temperature. Store lyophilized material at 4°C in dry environment. Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Once reconstituted, aliquot and store at -20°C.

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