

Mouse Anti-Dengue NS1 Pan Monoclonal Antibody Cl#G1E9

Catalog: B7050

Package: 1 mg, 10 mg
Storage: 2-8°C



Product Data Sheet

FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS

Name	Immunogen	Host	Clone No.	Isotype
Dengue NS1 mAb	Dengue NS1	Mouse	G1E9	IgG1

Description

Dengue virus (DENV) is a single positive strand RNA virus of the *Flaviviridae* family and a causative agent of the infectious tropical disease Dengue fever. There are four serotypes of the virus, DENV-1, DENV-2, DENV-3 and DENV-4 in which infection with one serotype is believed to produce long-lasting immunity to all 4 serotypes.

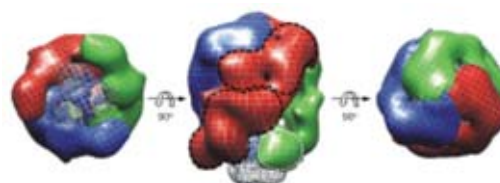
Dengue NS1 (Non-Structural protein 1) is a versatile glycoprotein of the Dengue virus that is secreted as a hexamer, binds to the cell surface of infected and uninfected cells, and has immune evasive functions. Dengue virus NS1 antigen is also used as an early detection marker (days 1 to 9 after onset) for Dengue virus infection.

B7050 was generated by immunizing mice with Dengue NS1 proteins, and purified from ascites via protein A affinity chromatography.

Specifications

Physical	Liquid
Concentration	≥ 2 mg/mL by OD280 nm
Storage Buffer	D-PBS, pH 7.2-7.4
Preservatives	0.099% NaN ₃
Purity	≥ 95% on 12.5% SDS-PAGE
Purification	Protein A affinity chromatography
Application	Coating or conjugate antibody in ELISA, ICT. Paring with B7060.
Cross Reactivity	No reactivity with Zika virus NS1
Shelf Life	24 months
Storage	2-8°C
Shipping	Shipped with Ice Pad (~4°C) in styrofoam box
Bio-safety	This product does not originate from humans, and does not contain infectious agents such as HIV, HCV and HBV.

Structure

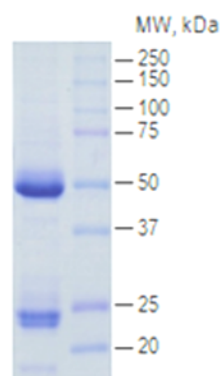


Surface rendered top and side views of the hexameric NS1 3D structure. Muller, D. A., et al. 2012. *Journal of General Virology*. 93(4):771-779.

QC Testing

By procedure WI-82-04-04

SDS-PAGE



B7050 was analyzed in 12.5% SDS-PAGE/Coomassie Blue staining.