

Rabbit anti-Dengue Virus NS1 Pan Antibody

Catalog: B7060

Package: 100 µg, 1 mg
Storage: - 20 °C

FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS



Product Data Sheet

PD-B7060 -Rev. A-05-2012

Name	Host	Clone #	Isotype	Epitope	Purification	Application
Dengue NS1 Pab	Rabbit	N/A	Pab	Whole molecule	Ion exchange chromatography	ELISA, Lateral flow

Background

Dengue fever virus (DENV) is a RNA virus of the family *Flaviviridae*; genus *Flavivirus*. It is transmitted by several species of mosquito within the genus *Aedes*, principally *A. aegypti*, and causes dengue fever including dengue hemorrhagic fever. The dengue virus genome contains about 11 kbs which code for the three structure proteins (C, prM and E) that form the virus particle and seven non-structure proteins (NS1, NS2a, NS2b, NS3, NS4a, NS4b, NS5) that are only found in infected host cells and are required for replication of the virus. The NS1 is a versatile non-structural glycoprotein that is secreted as a hexamer, binds to the cell surface of infected and uninfected cells, and has immune evasive functions.

There are four serotypes of the virus, DENV-1, DENV-2, DENV-3 and DENV-4. Infection with one serotype is believed to produce lifelong immunity to that serotype but only short term protection against the others.

Description

Anti-pan dengue NS1 polyclonal antibody is purified from New Zealand white rabbits immunized with dengue type 2 NS1 protein.

Reactivity: React to NS1 proteins of DENV-1, -2, -3 and -4

Concentration: ≥ 2 mg/ml by OD280_{nm}

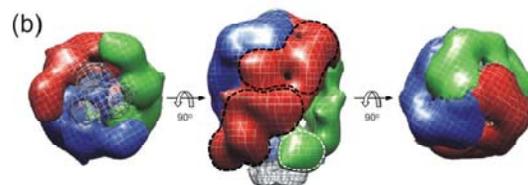
Buffer: 40 mM phosphate buffer, pH 7.2

Preservatives: 0.1% NaN₃

Purification: Ion exchange chromatography

Purity: ≥ 95% on 12.5% SDS-PAGE

Biosafety: This product does not originate from humans, and does not contain infectious agents such as HIV, HCV and HBV.



Surface rendered top and side views of the hexameric sNS1 3D structure. Muller, D. A., et al, 2012, Journal of General Virology, 93(4):771-779.

Shelf Life: 24 months at recommended storage condition

Storage & Handling: - 20 °C. Avoid repeated freeze-thawing

QC Testing: Per WI-82-04-04

SDS-PAGE Analysis

