



DENV type 1 NS1 (aa 776 - 1127) (DAG-P2497)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Dengue Virus 1 NS1 glycoprotein full length protein
Antigen Description	NS1 is one of 7 Dengue Virus non-structural proteins which are thought to be involved in viral replication. NS1 exists as a monomer in its immature form but is rapidly processed in the endoplasmic reticulum to form a stable dimer. A small amount of NS1 remains associated with intracellular organelles where it is thought to be involved in viral replication. The rest of NS1 is found either associated with the plasma membrane or secreted as a soluble hexadimer. NS1 is essential for viral viability but its precise biological function is unknown. Antibodies raised in response to NS1 in viral infection can cross react with cell surface antigens on epithelial cells and platelets and this has been implicated in the development of Dengue Hemorrhagic fever.
Species	DENV
Purity	>90% by SDS-PAGE. This antigen is 0.2µm filter sterilised.
Conjugate	His
Applications	SDS-PAGE
Molecular Weight	40 kDa
Format	Liquid
Buffer	pH: 7.40 Constituent: 100% PBS
Preservative	None
Storage	Shipped on Dry Ice. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS

BACKGROUND

Introduction

The dengue virus (DENV) in one of five serotypes is the cause of dengue fever. It is a mosquito-borne single positive-stranded RNA virus of the family Flaviviridae; genus Flavivirus. All five serotypes can cause the full spectrum of disease.

Keywords

DENV-1 NS1
