



Recombinant DENV Nonstructural Protein 1c (DAG4337)

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

PRODUCT INFORMATION

Product Overview	Recombinant Dengue Virus NS1c
Specificity	Dengue protein is purified by proprietary chromatographic technique.
Species	DENV
Purity	Dengue Protein is > 90% pure as determined by 10% PAGE (coomassie staining).
Conjugate	Unconjugated
Applications	Each laboratory should determine an optimum working titer for use in its particular application.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	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.
Keywords	Dengue NS1; Dengue Virus non-structural protein 1; Dengue Virus NS1 glycoprotein; DENV NS1