

DENGUE VIRUS TYPE 1 NS1 ANTIGEN Recombinant Protein

RECOMBINANT DENGUE VIRUS TYPE 1 NS1 ANTIGEN

CATALOG #
AAA50549

APPLICATIONS
ELISA

PRODUCT SYNONYMS

DENGUE VIRUS TYPE 1 NS1 ANTIGEN; RECOMBINANT DENGUE VIRUS TYPE 1 NS1 ANTIGEN; DENV1 NS1 Antigen; DENGUE VIRUS TYPE 1 NS1 ANTIGEN recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	>95% by SDS PAGE analysis
Form/Format	Purified recombinant protein with a C-terminal 6 x His-tag - liquid
Concentration	Approximate Protein Concentration: 0.67 mg/ml (varies by lot)
Applicable Applications for DENGUE VIRUS TYPE 1 NS1 ANTIGEN recombinant protein	ELISA
Preparation	Recombinant dengue virus serotype 1 NS1 protein, sequence strain Nauru/Western Pacific/1974, expressed in 293 human cells
Product Type	Recombinant Protein
Target Species	Viral
Preservative	None present
Preparation	Recombinant dengue virus serotype 1 NS1 protein, sequence strain Nauru/Western Pacific/1974, expressed in 293 human cells.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Store at -70 degree C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

ADDITIONAL INFORMATION

Related Product Information for DENGUE VIRUS TYPE 1 NS1 ANTIGEN recombinant protein	Recombinant dengue virus type 1 NS1 antigen is a purified preparation of the dengue virus serotype 1 (DENV1), non-structural protein 1 (NS1). DENV1 is one of four (DENV1-4) antigenically distinct, closely related viral serotypes belonging to the Flaviviridae family, genus flavivirus. All four serotypes are known to cause viral infection in humans. Dengue virus is common mosquito-borne infection and a major cause of morbidity in tropical and subtropical regions. There is currently no vaccine to prevent, or effective anti-viral drugs to treat, dengue virus infection. In many cases infection is asymptomatic and the majority of individuals who get ill only suffer the mild, non-specific febrile symptoms characteristic of dengue fever (DF). Only a minority of infections result in severe disease, manifesting as dengue hemorrhagic fever (DHF) or dengue shock syndrome (DSS). Dengue virus infection gives lifelong immunity to the serotype in question but subsequent infection with another serotype may increase the likelihood of severe disease. The NS1 glycoprotein is essential for viral replication and viability, and since this protein is secreted into the bloodstream, tests have been developed to identify DENV infections using NS1, including antigen-capture ELISA, lateral flow antigen detection, and the measurement of NS1-specific IgM and IgG responses (Guzman, M.G. et al. 2010). Recombinant DENV1 NS1 antigen is presented in its native folded state complete with post-translational modifications, delivering optimal antigenicity and making it suitable for use in vaccine research and serology-based assays.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dengue-virus-type-1-ns1-antigen-recombinant-protein-elisa/50549>