

## ARG30252 Dengue virus NS1 ELISA Antibody Duo

Package: 1 pair  
Store at: -20°C

### Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG65661	anti-Dengue virus NS1 antibody [SQab1502]	Mouse mAb	DEN	ELISA, WB	50 µg
ARG65662	anti-Dengue virus NS1 antibody [SQab1503] (Biotin)	Mouse mAb	DEN	ELISA	50 µg

### Summary

<b>Product Description</b>	<p>Dengue virus NS1 protein is a nonstructural protein which could be secreted and have been developed as diagnostic biomarker for early detection. There are several forms of NS1 including monomer, dimer, and hexamer during infection. Dimeric NS1 can be anchored to cell membranes with glycosyl-phosphatidylinositol (GPI). Hexameric NS1 can be secreted and detected in patients' blood samples (up to 50 µg/mL) or infected cell supernatants (various from ng/mL to µg/mL depend on serotypes and strains). Studies have shown that NS1 could interfere complement activity and prothrombin activation. In addition, NS1 could elicit antibodies which cross-react with host antigens including coagulation factors and molecules expressed in endothelial cells and platelets through molecular mimic. arigo Dengue virus NS1 ELISA Duo could be used to recognize monomer, dimer and hexamer of DENV1/2/3/4 NS1 protein</p> <p>Related news: <a href="#">Best NS1 antibodies in the market</a> <a href="#">Fighting fire with fire: Genetically-engineered mosquitoes as an alternative to fight diseases</a> <a href="#">Exploring Antiviral Immune Response</a></p>
<b>Specificity</b>	Monomer and hexamer of DENV1/2/3/4 NS1 protein
<b>Target Name</b>	Dengue virus NS1
<b>Alternate Names</b>	Dengue virus NS1 ELISA antibody; Dengue virus nonstructural protein 1 ELISA antibody; Dengue virus NS1 antibody; Biotin-conjugated Dengue virus NS1 antibody

### Properties

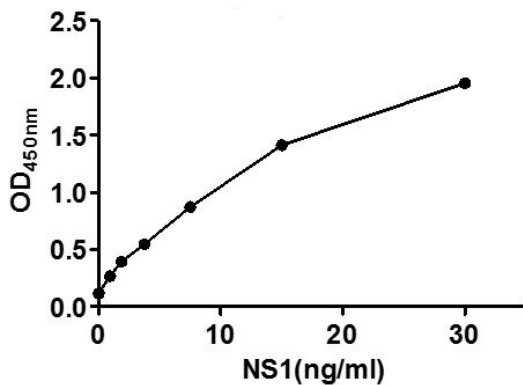
<b>Storage instruction</b>	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

<b>Gene Symbol</b>	DENV_gp1
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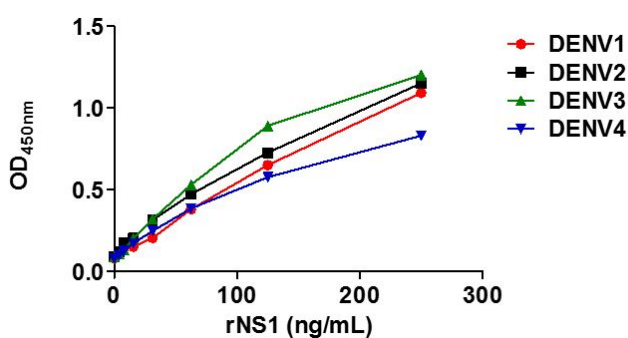
Gene Full Name	Dengue virus nonstructural protein 1 (NS1) ELISA Antibody Duo
Background	Dengue virus NS1 protein is a nonstructural protein which could be secreted and have been developed as diagnostic biomarker for early detection. There are several forms of NS1 including monomer, dimer, and hexamer during infection. Dimeric NS1 can be anchored to cell membranes with glycosyl-phosphatidylinositol (GPI). Hexameric NS1 can be secreted and detected in patients' blood samples (up to 50 µg/mL) or infected cell supernatants (various from ng/mL to µg/mL depend on serotypes and strains). Studies have shown that NS1 could interfere complement activity and prothrombin activation. In addition, NS1 could elicit antibodies which cross-react with host antigens including coagulation factors and molecules expressed in endothelial cells and platelets through molecular mimic.
Function	Dengue virus (DENV) non-structural protein 1 (NS1) is involved in virus replication and regulation of the innate immune response. Soluble and membrane-associated NS1 may activate human complement and induce host vascular leakage. This effect might explain the clinical manifestations of dengue hemorrhagic fever and dengue shock syndrome. [Uniprot]
Highlight	Related products: <a href="#">Dengue Virus antibodies</a> ; <a href="#">Dengue Virus ELISA Kits</a> ; <a href="#">Dengue Virus Duos / Panels</a> ;
Research Area	Microbiology and Infectious Disease antibody

## Images



ARG65661 anti-Dengue virus NS1 antibody [SQab1502] & ARG65662 anti-Dengue virus NS1 antibody [SQab1503] (Biotin) ELISA image

ELISA: 293 cells expressed dengue virus type 2 NS1 protein (major in hexamer) detected by [ARG65661](#) anti-Dengue virus NS1 antibody [SQab1502] as capture antibody (2.5 µg/ml), and [ARG65662](#) anti-Dengue virus NS1 antibody [SQab1503] (Biotin) (0.5 µg/ml) as detection antibody, followed by incubation with streptavidin-HRP.



ARG65661 anti-Dengue virus NS1 antibody [SQab1502] & ARG65662 anti-Dengue virus NS1 antibody [SQab1503] (Biotin) ELISA image

ELISA: E. coli expressed recombinant Dengue virus type 1-4 NS1 protein (major in monomer) detected by [ARG65661](#) anti-Dengue virus NS1 antibody [SQab1502] as capture antibody (2.5 µg/ml), and [ARG65662](#) anti-Dengue virus NS1 antibody [SQab1503] (Biotin) (0.5 µg/ml) as detection antibody, followed by incubation with streptavidin-HRP.