

ARG67001 anti-Dengue Virus NS1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Dengue Virus NS1
Tested Reactivity	DEN
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Dengue virus NS1
Species	Virus
Immunogen	Recombinant protein corresponding to Dengue virus NS1 protein.
Conjugation	Un-conjugated
Alternate Names	Dengue virus NS1 antibody; Dengue virus nonstructural glycoprotein NS1 antibody

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000 - 1:3000
	WB	1:1000 - 1:10000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

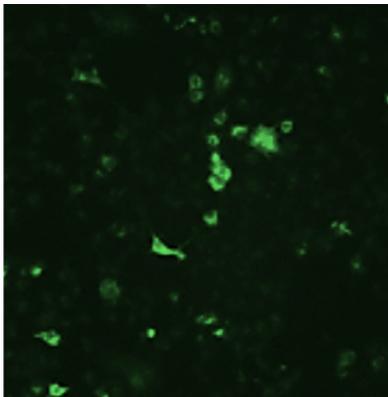
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol
Storage instruction	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. 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

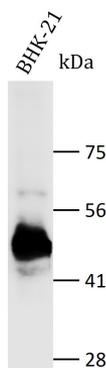
Gene Symbol	DENV_gp1
Gene Full Name	Dengue virus nonstructural protein 1
Background	Dengue virus NS1 protein is a nonstructural protein which could be secreted and have been developed as diagnostic biomarker for early detection. There are several forms of NS1 including monomer, dimer, and hexamer during 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	<p>Related products: Dengue Virus antibodies; Dengue Virus ELISA Kits; Dengue Virus Duos / Panels; Anti-Rabbit IgG secondary antibodies;</p> <p>Related news: New Dengue Virus NS1 antibodies and Antibody Duo Fighting fire with fire: Genetically-engineered mosquitoes as an alternative to fight diseases Tools for studying Dengue Virus Exploring Antiviral Immune Response</p>
Research Area	Microbiology and Infectious Disease antibody

Images



ARG67001 anti-Dengue virus NS1 antibody ICC/IF image

Immunofluorescence: DENV2 infected Vero cells or mock infected Vero cells were fixed with 4% paraformaldehyde at RT for 10 min, permeabilized with 0.1% NP-40 at RT for 10 min and then cells were blocked with 5% BSA at RT for 30 min and stained with ARG67001 anti-Dengue virus NS1 antibody .



ARG67001 anti-Dengue virus NS1 antibody WB image

Western blot: Lysate from BHK-21 cell infected with DENV2 stained with ARG67001 anti-Dengue virus NS1 antibody at 1:1000 dilution, overnight at 4°C.