

Product Datasheet

Dengue Virus NS1 Antibody (DA034) - Azide and BSA Free NBP3-14838-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-14838-0.1mg

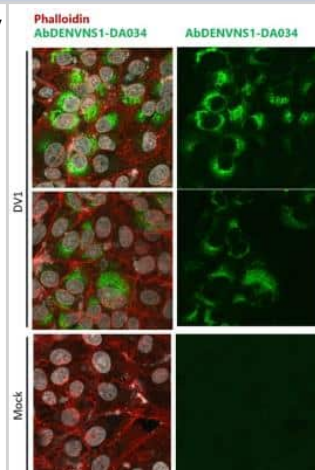
Dengue Virus NS1 Antibody (DA034) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	DA034
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS pH 7.4
Product Description	
Description	Novus Biologicals Mouse Dengue Virus NS1 Antibody (DA034) - Azide and BSA Free (NBP3-14838) is a monoclonal antibody validated for use in ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Virus
Reactivity Notes	Dengue Pan-Serotype
Specificity/Sensitivity	This antibody is specific for the NS1 protein of Dengue virus, detecting NS1 from all four Dengue virus serotypes. It demonstrates negligible cross-reactivity with NS1 proteins from Zika virus. A small amount of cross-reactivity has been observed with the NS1 protein from West Nile Virus in a direct ELISA. No cross-reactivity is seen with Chikungunya virus proteins (E1, E2 and C).
Immunogen	Dengue virus cell lysate
Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	ELISA, Immunocytochemistry/ Immunofluorescence
Application Notes	Suitable for use in direct ELISA and in sandwich ELISA.

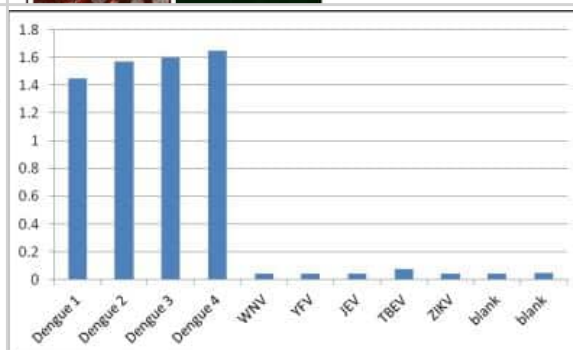


Images

Immunocytochemistry/Immunofluorescence: Dengue Virus NS1 Antibody (DA034) [NBP3-14838] - Immunofluorescence was carried out in Vero cells. Cells were seeded on coverslips and infected with DENV (serotypes 1, 2, 3 and 4) for 48h at MOI 1. Control coverslips consisted of uninfected Vero cells. After fixation with 4% PFA, samples were stained with Mouse anti-Dengue virus NS1 antibody (Dengue Virus NS1 Antibody or Dengue Virus 2 premembrane (prM) Envelope antibody. Antibody was diluted 1:500 and Triton X-100 was used as detergent. Imaging was performed using a Leica SP5 confocal microscope. Immunofluorescence was observed in DENV serotype 1 and DENV serotype 3 infected cells, using Dengue Virus NS1 antibody or Dengue Virus 2 premembrane (prM) Envelope antibody. DENV serotype 1 infected cells (DV1), stained with Dengue Virus NS1 antibody are shown above.



ELISA: Dengue Virus NS1 Antibody (DA034) [NBP3-14838] - ELISA assay was performed with antigens at 0.5ug/ml and antibody at 1ug/ml. ELISA plates were coated on bench overnight in 0.1M Carbonate pH 9.6, 100ul/well, washed once in wash buffer 300ul/well (TBS + 0.1% Tween 20) and blocked for 2 hr in 1% BSA in D-PBS (300ul/well). Antibodies, diluted to working strength in diluent (DPBS + 1% BSA + 0.05% Tween 20 + 0.2% Proclin 950), were added at 100ul/well and incubated for 2 hr (shaken at ambient temperature), followed by 3 x 300ul/well washes. Goat anti Mouse IgG-HRP diluted 1:2500 in diluent, was added at 100ul/well and incubated with shaking for 1 hr at ambient temperature. Plate then washed 6 x 300ul/well. TMB (KPL Sureblue) was added at 100ul/well. Reaction for screening assay was stopped by addition of 1M HCl (100ul/well) and absorbance read at 450nm.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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