

Product datasheet

Anti-Dengue Virus NS1 glycoprotein antibody
[OB4.C11.D10.B8] ab253230

1 Image

Overview

Product name	Anti-Dengue Virus NS1 glycoprotein antibody [OB4.C11.D10.B8]
Description	Mouse monoclonal [OB4.C11.D10.B8] to Dengue Virus NS1 glycoprotein
Host species	Mouse
Specificity	This antibody is specific for the NS1 protein of Dengue virus serotype 1, and does not cross-react with NS1 from other Dengue virus serotypes strains. It also demonstrates negligible cross-reactivity with NS1 protein from Zika virus or other flaviviruses. No cross-reactivity is seen with Chikungunya virus E1, E2 or C proteins.
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: Dengue virus 1
Immunogen	This product was produced with the following immunogens: Recombinant full length protein corresponding to Dengue virus 1 Dengue Virus NS1 glycoprotein. Recombinant full length protein corresponding to Dengue virus 2 Dengue Virus NS1 glycoprotein. Recombinant full length protein corresponding to Dengue virus 3 Dengue Virus NS1 glycoprotein. Recombinant full length protein corresponding to Dengue virus 4 Dengue Virus NS1 glycoprotein.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer	pH: 7 Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	OB4.C11.D10.B8
Isotype	IgG1

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab253230 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

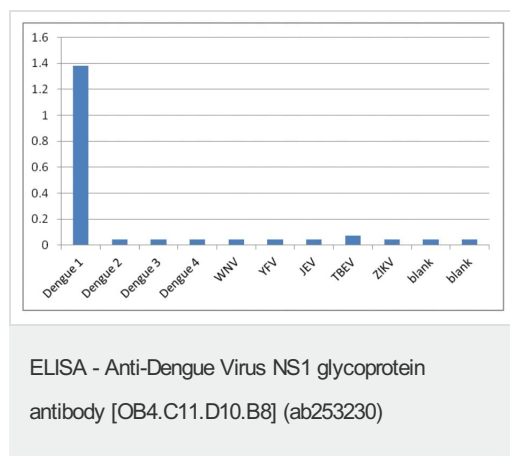
Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration. Antigens at 0.5 µg/ml and antibody at 1 µg/ml.

Target

Relevance

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.

Images



ELISA plates coated on bench overnight in 0.1M carbonate pH 9.6, 100 µl/well, washed once in wash buffer 300 µl/well (TBS + 0.1% tween 20) and blocked 2 hrs in 1% BSA in D-PBS 300 µl/well. Antibodies diluted to working strength in diluent (DPBS + 1% BSA + 0.05% Tween 20 + 0.2% Proclin 950). Added at 100 µl/well and incubated 2 hrs shaken at ambient temperature. Washed 3 x 300 µl/well. Goat anti Mouse IgG-HRP diluted 1/2500 in diluent, added at 100 µl/well and incubated with shaking 1 hr at ambient. Plate washed 6X300 µl/well. TMB added at 100 µl/well. Reaction for screening assay stopped by addition of 1M HCl 100 µl/well.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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