

Product datasheet

Anti-Zika Virus NS1 antibody [B4] ab218546

1 Image

Overview

Product name	Anti-Zika Virus NS1 antibody [B4]
Description	Mouse monoclonal [B4] to Zika Virus NS1
Host species	Mouse
Specificity	ab218546 is specific for the NS1 protein of Zika virus, detecting NS1 from both the Uganda and Suriname strains. It demonstrates negligible cross-reactivity with NS1 proteins from Dengue virus (all serotypes), Japanese Encephalitis Virus and Yellow Fever Virus. A small amount of cross-reactivity has been observed with the NS1 protein from West Nile Virus in a direct ELISA.
Tested applications	Suitable for: WB, Sandwich ELISA
Species reactivity	Reacts with: Zika virus
Immunogen	Recombinant full length protein corresponding to Zika Virus NS1. Produced in HEK-293 cells. Database link: Q32ZE1
Positive control	Recombinant Zika Virus NS1; supernatant from Zika Virus infected Vero cells.
General notes	<p>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.</p> <p>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</p>

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: 100% PBS
Purity	Protein G purified
Purification notes	ab218546 was purified from hybridoma cell culture supernatant by affinity chromatography on Protein G. >95% pure by SDS-PAGE.
Clonality	Monoclonal

Clone number B4
Isotype IgG1

Applications

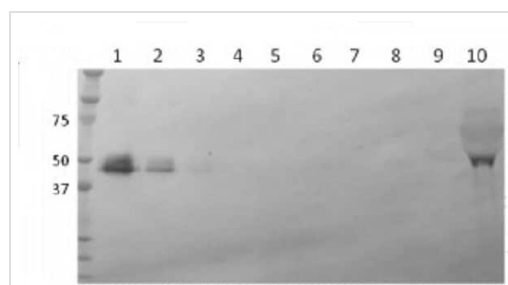
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab218546 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml.
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Mouse monoclonal [D11] to Zika Virus NS1 (ab218547) . For coating using 500 ng. ab218546 may be used in combination with clone D11 (ab218547), and has also been shown to effectively pair with itself.

Target

Relevance Zika virus is an emerging disease that is spread by Aedes mosquitoes. The virus was first isolated in Central Africa, and has since spread to South Asia and more recently to South America. It is a member of the flavivirus family, and is structurally closely related to viruses such as Dengue Fever Virus.

Images



Western blot - Anti-Zika Virus NS1 antibody [B4] (ab218546)

All lanes : Anti-Zika Virus NS1 antibody [B4] (ab218546) at 1 µg/ml

Lane 1 : Zika virus NS1 at 0.1 µg

Lane 2 : Zika virus NS1 at 0.02 µg

Lane 3 : Zika virus NS1 at 0.004 µg

Lane 4 : Zika virus NS1 at 0.0008 µg

Lane 5 : Dengue virus serotype 1 at 0.1 µg

Lane 6 : Dengue virus serotype 2 at 0.1 µg

Lane 7 : Dengue virus serotype 3 at 0.1 µg

Lane 8 : Dengue virus serotype 4 at 0.1 µg

Lane 9 : West Nile virus NS1 NY99 at 0.1 µg

Lane 10 : Supernatant of Zika virus infected Vero cells at 5 µl

Secondary

All lanes : Goat anti-Mouse IgG HRP conjugated

4-12% Bis-Tris gel

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

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